

## 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

| Entry | Brand      | Variety     | Disease rating (0-9) |              |           |                   |                  |             |                   |          | Avg. |
|-------|------------|-------------|----------------------|--------------|-----------|-------------------|------------------|-------------|-------------------|----------|------|
|       |            |             | Falkner              | Olive Branch | Raymond   | Stoneville (loam) | Clarksdale (irr) | Brooksville | Stoneville (clay) | Longwood |      |
| 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

| Entry | Brand       | Variety | Disease rating (0-9) |              |          |                   |                  |             |                   | Avg.     |            |
|-------|-------------|---------|----------------------|--------------|----------|-------------------|------------------|-------------|-------------------|----------|------------|
|       |             |         | Falkner              | Olive Branch | Raymond  | Stoneville (loam) | Clarksdale (irr) | Brooksville | Stoneville (clay) |          | Longwood   |
| 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   | <b>3.7</b> |
| 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   | <b>5.2</b> |
| 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  | <b>2.8</b> |
| 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 | <b>2.5</b> |
| 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 | <b>3.3</b> |
| 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  | <b>3.8</b> |
| 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    | <b>0.5</b> |
| 40    | USG         | 74F53R  | .                    | .            | .        | .                 | .                | .           | .                 | .        | .          |
|       |             |         | <b>R<sup>2</sup></b> | 0.9847       | 0.9044   | 0.7160            | 0.8461           | 0.9509      | 0.953             | 0.9      | 0.9476     |
|       |             |         | <b>CV</b>            | 9.09         | 25.66    | 122.30            | 34.66            | 13.53       | 16.29             | 19.6     | 21.71      |
|       |             |         | <b>p-value</b>       | < 0.0001     | < 0.0001 | < 0.0001          | < 0.0001         | < 0.0001    | < 0.0001          | < 0.0001 | < 0.0001   |
|       |             |         | <b>LSD</b>           | 0.87         | 0.83     | 1.03              | 1.63             | 0.92        | 0.49              | 1.1      | 1.33       |
|       |             |         | <b>St. Dev</b>       | 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               | .                    | .            | .        | .                 | .              | .           | .                 | .        | .    |
|       |             | <b>R<sup>2</sup></b> | 0.6295               | 0.5248       | 0.5297   | 0.8183            | 0.6887         | 0.6685      | 0.8470            | 0.8417   |      |
|       |             | <b>CV</b>            | 6.37                 | 9.09         | 13.37    | 5.74              | 10.79          | 6.0         | 6.3               | 5.84     |      |
|       |             | <b>p-value</b>       | < 0.0001             | 0.0060       | 0.0316   | < 0.0001          | < 0.0001       | < 0.0001    | < 0.0001          | < 0.0001 |      |
|       |             | <b>LSD</b>           | 2.82                 | 2.82         | 1.41     | 0.67              | 0.83           | 0.7         | 0.7               | 0.67     |      |
|       |             | <b>St. Dev</b>       | 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   | <b>4.3</b> |
| 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      | <b>0.6</b> |
| 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   | <b>3.3</b> |
| 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      | <b>5.4</b> |
| 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  | <b>2.8</b> |
| 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     | <b>4.4</b> |
| 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  | <b>3.8</b> |
| 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   | <b>3.8</b> |
| 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   | <b>4.9</b> |
| 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  | <b>3.0</b> |
| 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   | <b>5.1</b> |
| 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  | <b>3.2</b> |
| 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  | <b>2.5</b> |
| 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      | <b>5.0</b> |
| 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   | <b>4.4</b> |
| 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     | <b>0.5</b> |
| 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      | <b>0.8</b> |
| 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  | <b>3.3</b> |
| 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     | <b>4.8</b> |
| 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   | <b>3.7</b> |
| 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 | <b>2.5</b> |
| 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     | <b>5.1</b> |
| 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  | <b>3.0</b> |
| 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     | <b>1.1</b> |
| 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  | <b>2.5</b> |
| 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   | <b>3.2</b> |
| 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   | <b>4.0</b> |
| 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   | <b>4.0</b> |
| 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     | <b>1.6</b> |
| 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  | <b>3.1</b> |
| 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     | <b>0.5</b> |
| 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    | <b>0.9</b> |

**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     | <b>2.0</b> |
| 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     | <b>0.9</b> |
| 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     | <b>0.6</b> |
| 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   | <b>2.3</b> |
| 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   | <b>3.4</b> |
| 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   | <b>3.1</b> |
| 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  | <b>3.2</b> |
| 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   | <b>3.7</b> |
| 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    | <b>0.7</b> |
| 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     | <b>0.6</b> |
| 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   | <b>3.0</b> |
| 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     | <b>0.7</b> |
| 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     | <b>0.8</b> |
| 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  | <b>0.7</b> |
| 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   | .          | <b>0.8</b> |
| 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 | <b>2.6</b> |
| 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  | <b>1.0</b> |
| 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    | <b>2.7</b> |
| 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     | <b>0.7</b> |
| 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    | <b>4.5</b> |
| 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  | <b>2.9</b> |
| 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   | <b>4.2</b> |
|             |             | <b>R<sup>2</sup></b> | 0.9929       | 0.8942   | 0.7370            | 0.8089           | 0.9584      | 0.9475            | 0.9173   | 0.8101     |            |
|             |             | <b>CV</b>            | 7.08         | 32.4     | 113.5             | 34.9             | 13.2        | 17.03             | 20.25    | 34.62      |            |
|             |             | <b>p-value</b>       | < 0.0001     | < 0.0001 | < 0.0001          | < 0.0001         | < 0.0001    | < 0.0001          | < 0.0001 | < 0.0001   |            |
|             |             | <b>LSD</b>           | 0.59         | 0.67     | 1.39              | 1.43             | 0.58        | 0.59              | 1.04     | 1.77       |            |
|             |             | <b>St. Dev</b>       | 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

| Entry Brand | Variety     | Disease rating (0-9) |              |          |                   |                  |             |                   |          | Avg.     |     |
|-------------|-------------|----------------------|--------------|----------|-------------------|------------------|-------------|-------------------|----------|----------|-----|
|             |             | Falkner              | Olive Branch | Raymond  | Stoneville (loam) | Clarksdale (irr) | Brooksville | Stoneville (clay) | Longwood |          |     |
| 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 |
|             |             | <b>R<sup>2</sup></b> | 0.5337       | 0.8115   | 0.5855            | 0.8187           | 0.8109      | 0.7038            | 0.8358   | 0.7401   |     |
|             |             | <b>CV</b>            | 7.84         | 5.78     | 13.16             | 5.9              | 9.33        | 6.04              | 9.05     | 6.93     |     |
|             |             | <b>p-value</b>       | 0.0027       | < 0.0001 | < 0.0001          | < 0.0001         | < 0.0001    | < 0.0001          | < 0.0001 | < 0.0001 |     |
|             |             | <b>LSD</b>           | 0.88         | 0.45     | 1.22              | 0.69             | 0.66        | 0.67              | 0.91     | 0.81     |     |
|             |             | <b>St. Dev</b>       | 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  |
| <b>R<sup>2</sup></b> |                   |               | 0.9769               | 0.938       | 0.846             | 0.9333   |      |
| <b>CV</b>            |                   |               | 16.83                | 19.28       | 32.07             | 25.5     |      |
| <b>p-value</b>       |                   |               | < 0.0001             | < 0.0001    | < 0.0001          | < 0.0001 |      |
| <b>LSD</b>           |                   |               | 0.93                 | 0.43        | 1.1               | 0.92     |      |
| <b>St. Dev</b>       |                   |               | 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      |
|       |                   |               | <b>R<sup>2</sup></b> | 0.8943      | 0.7189            | 0.9538   | 0.7944   |
|       |                   |               | <b>CV</b>            | 11.26       | 6.97              | 9.72     | 7.55     |
|       |                   |               | <b>p-value</b>       | < 0.0001    | < 0.0001          | < 0.0001 | < 0.0001 |
|       |                   |               | <b>LSD</b>           | 0.98        | 0.72              | 0.85     | 0.76     |
|       |                   |               | <b>St. Dev</b>       | 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) |           | Longwood |
| 19    | AgBorn           | ABX 2105   | 4.3 j                | .            | .         | .                | .               | 2.5 efgh    | 4.0 abc           | 5.0 bcd   | 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          | 2.5 hijk  | 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          | 5.0 bcd   | 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         | 2.0 ijkl  | 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         | 1.3 kl    | 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            | 2.7 ghijk | 3.4      |
| 39    | Armor            | X1410      | 8.5 abc              | 2.7 def      | 1.0 defgh | 4.0 abcde        | .               | 4.0 bcd     | 2.7 cdefg         | 5.0 bcd   | 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 cdef  | 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          | 2.0 ijkl  | 2.5      |
| 10    | Asgrow           | AG 5634    | 8.0 bcd              | 1.7 fg       | 1.0 defgh | 3.7 abcdef       | .               | 2.0 fghij   | 2.7 cdefg         | 3.0 fghij | 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          | 2.0 ijkl  | 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          | 2.3 hijkl | 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 fghij | 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          | 3.7 defgh | 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           | 2.0 ijkl  | 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          | 1.7 jkl   | 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         | 3.0 fghij | 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         | 4.7 bcde  | 4.0      |
| 31    | Dyna-Gro         | S53RY23    | 1.0 k                | 1.7 fg       | 1.0 defgh | 3.3 bcdef        | .               | 1.5 hijk    | 4.0 abc           | 4.0 defg  | 2.4      |
| 32    | Dyna-Gro         | S54RY43    | 8.7 ab               | 2.0 efgh     | 2.0 abcd  | 5.0 ab           | 5.0 ab          | 3.3 bcdef   | 2.0 efgh          | 4.0 defg  | 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          | 2.0 ijkl  | 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          | 2.3 hijkl | 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         | 4.7 bcde  | 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 efgh     | 0.3 gh    | 2.7 cdef         | .               | 0.7 jk      | 2.5 defg          | 1.0 l     | 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          | 2.0 ijkl  | 1.3      |
| 18    | MPG              | MPG 5214   | 9.0 a                | 1.3 hi       | 2.3 abc   | 3.7 abcdef       | .               | 4.0 bcd     | 4.5 a             | 5.7 abc   | 4.4      |
| 4     | NK               | S52-Y2     | 9.0 a                | 1.5 ghi      | 2.5 ab    | 2.0 ef           | .               | 4.7 ab      | 2.3 defgh         | 3.0 fghij | 3.6      |
| 5     | Pioneer          | P50T40R    | .                    | .            | .         | .                | .               | 1.0 ijk     | 4.0 abc           | 1.0 l     | 2.0      |

### 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) |           | Longwood |
| 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      |
| <b>R<sup>2</sup></b> |             |            | 0.9797               | 0.8383       | 0.5734    | 0.465             | 0.8608           | 0.7887      | 0.6415            | 0.8459    |          |
| <b>CV</b>            |             |            | 8.88                 | 29.68        | 64.78     | 36.63             | 30.62            | 36.38       | 31.56             | 24.32     |          |
| <b>p-value</b>       |             |            | < 0.0001             | < 0.0001     | 0.0003    | 0.0342            | < 0.0001         | < 0.0001    | 0.0013            | < 0.0001  |          |
| <b>LSD</b>           |             |            | 0.98                 | 1            | 1.14      | 2.08              | 2.05             | 1.47        | 1.49              | 1.45      |          |
| <b>St. Dev</b>       |             |            | 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  |
|       |             | <b>R<sup>2</sup></b> | 0.4875               | 0.7666       | 0.5971   | 0.5038            | 0.8105           | 0.6107      | 0.4726            | 0.7875   |      |
|       |             | <b>CV</b>            | 6.19                 | 5.98         | 6.54     | 9.13              | 5.46             | 4.02        | 6.28              | 3.04     |      |
|       |             | <b>p-value</b>       | 0.0089               | < 0.0001     | < 0.0001 | 0.0128            | < 0.0001         | < 0.0001    | 0.0218            | < 0.0001 |      |
|       |             | <b>LSD</b>           | 0.63                 | 0.66         | 0.73     | 0.98              | 0.58             | 0.4         | 0.65              | 0.31     |      |
|       |             | <b>St. Dev</b>       | 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) |              |         |                   |                  |             |                   | Avg.   |          |
|-------|------------|----------------------|----------------------|--------------|---------|-------------------|------------------|-------------|-------------------|--------|----------|
|       |            |                      | Falkner              | Olive Branch | Raymond | Stoneville (loam) | Clarksdale (irr) | Brooksville | Stoneville (clay) |        | Longwood |
| 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      |
|       |            | <b>R<sup>2</sup></b> | 0.9897               | 0.6196       | 0.4117  | 0.603             | 0.2871           | 0.6977      | 0.4014            | 0.8974 |          |
|       |            | <b>CV</b>            | 11.47                | 69.31        | 97.97   | 44.68             | 64.37            | 41.07       | 53.82             | 18.63  |          |
|       |            | <b>p-value</b>       | < 0.0001             | 0.0977       | 0.55    | 0.2927            | 0.7458           | 0.0605      | 0.5676            | 0.0006 |          |
|       |            | <b>LSD</b>           | 0.81                 | 1.91         | 1.95    | 2.23              | 4.11             | 0.87        | 2.89              | 0.84   |          |
|       |            | <b>St. Dev</b>       | 3.20                 | 1.25         | 0.72    | 1.00              | 1.37             | 0.64        | 1.06              | 1.06   |          |

### Maturity Group V Late Cercospora blight ratings

| Entry | Brand      | Variety              | Disease rating (0-9) |              |         |                   |                  |             |                   | Avg. |          |
|-------|------------|----------------------|----------------------|--------------|---------|-------------------|------------------|-------------|-------------------|------|----------|
|       |            |                      | Falkner              | Olive Branch | Raymond | Stoneville (loam) | Clarksdale (irr) | Brooksville | Stoneville (clay) |      | Longwood |
| 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      |
|       |            | <b>R<sup>2</sup></b> | .                    | 0.6923       | 0.5636  | .                 | 0.52             | .           | 0.5055            | .    |          |
|       |            | <b>CV</b>            | .                    | 4.21         | 4.65    | .                 | 8.25             | .           | 9.9               | .    |          |
|       |            | <b>p-value</b>       | .                    | 0.0453       | 0.3977  | .                 | 0.5306           | .           | 0.4156            | .    |          |
|       |            | <b>LSD</b>           | 0                    | 0.48         | 0.68    | 0                 | 1.27             | 0           | 1.3               | 0    |          |
|       |            | <b>St. Dev</b>       | 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  |
|       |               | <b>R<sup>2</sup></b> | 0.981                | 0.9283      | 0.5658            | 0.7931   |      |
|       |               | <b>CV</b>            | 13.49                | 20.44       | 32.06             | 28.54    |      |
|       |               | <b>p-value</b>       | < 0.0001             | < 0.0001    | 0.0097            | < 0.0001 |      |
|       |               | <b>LSD</b>           | 0.74                 | 0.60        | 0.97              | 1.18     |      |
|       |               | <b>St. Dev</b>       | 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  |
| <b>R<sup>2</sup></b> |               |           | 0.8303               | 0.6716      | 0.8813            | 0.8061   |      |
| <b>CV</b>            |               |           | 2.13                 | 1.99        | 3.40              | 2.92     |      |
| <b>p-value</b>       |               |           | < 0.0001             | < 0.0001    | < 0.0001          | < 0.0001 |      |
| <b>LSD</b>           |               |           | 0.23                 | 0.19        | 0.36              | 0.29     |      |
| <b>St. Dev</b>       |               |           | 0.25                 | 0.17        | 0.48              | 0.31     |      |