

MISSISSIPPI SOYBEAN PROMOTION BOARD

**Response of maturity group IV early soybean cultivars to frogeye leaf spot (FLS) from the MSU OVT trial conducted at Verona, MS during 2023.**

<b>Company/Cultivar</b>	<b>Stem Canker rating<sup>1,2</sup></b>
Armor Seed 44-D49	0.3 hi
Armor Seed 45-F02	4.3 a
Armor Seed 46-F96	1.3 efg
Asgrow AG39XF3	1.0 fgh
Asgrow AG45XF3	2.0 cde
Asgrow AG46XF3	2.3 bcd
Beck's 4337XF	1.0 fgh
Delta Grow 44XF75/STS	0.3 hi
Delta Grow 46X65/STS	1.0 fgh
Delta Grow 46XF54	1.7 def
Don Mario DM45F23 (DM45F61)	0.0 i
Dyna-Gro S42XF93S	2.3 bcd
Dyna-Gro S46XF31S	0.3 hi
Gateway Seed 457XFS	1.0 fgh
Gateway Seed 461XFS	0.0 i
Gateway Seed 469XF	1.3 efg
Great Heart Seed GT-4366XFS	1.0 fgh
Great Heart Seed GT-4538XFS	1.3 efg
Great Heart Seed GT-4677XS	1.0 fgh
Great Heart Seed GT-4681XFS	1.0 fgh
Innvictis A4503XF	1.0 fgh
NK NK42-T5XF	1.0 fgh
NK NK43-Y9XFS	2.7 bcd
NK NK44-J4XFS	0.7 ghi
NK NK46-B4XFS	1.7 def
Pioneer P44A21X	0.0 i
Progeny 4604XFS	1.0 fgh
Progeny 4623XFS	1.0 fgh
Progeny 4665XFS	1.0 fgh
Progeny 4691XFS	2.0 cde
Revere 4415XF	0.0 i
Revere 4526XF	3.0 b
Revere 4606XF	0.7 ghi
MSE	0.58
CV (%)	47.81
P-value for F-statistic	<0.0001

<sup>1</sup>Frogeye leaf spot observation was conducted by observing the foliage in the upper third of the canopy for the presence of lesions associated with FLS. Ratings were given for each individual plot and then averaged for the three replicate plots of each cultivar. Plots were evaluated on a 0-9 scale.

<sup>2</sup>Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD ( $P=0.05$ ).

MISSISSIPPI SOYBEAN PROMOTION BOARD

**Response of maturity group IV Enlist soybean cultivars to frogeye leaf spot (FLS) from the MSU OVT trial conducted at Verona, MS during 2023.**

<b>Company/Cultivar</b>	<b>Frogeye leaf spot rating<sup>1,2</sup></b>
Delta Grow 46E10	1.3 c
Delta Grow 46E30	0.0 d
Delta Grow 48E59	1.0 c
Delta Grow 49E30/STS	2.7 a
Delta Grow 49E80	0.0 d
Innictis B4903E	1.0 c
Innictis B5013E	2.0 b
	MSE 0.29
	CV (%) 25.85
	<i>P</i> -value for F-statistic <0.0001

<sup>1</sup>Frogeye leaf spot observation was conducted by observing the foliage in the upper third of the canopy for the presence of lesions associated with FLS. Ratings were given for each individual plot and then averaged for the three replicate plots of each cultivar. Plots were evaluated on a 0-9 scale.

<sup>2</sup>Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD (*P*=0.05).

MISSISSIPPI SOYBEAN PROMOTION BOARD

**Response of maturity group IV late soybean cultivars to frogeye leaf spot (FLS) from the MSU OVT trial conducted at Verona, MS during 2023.**

<b>Company/Cultivar</b>	<b>Frogeye leaf spot rating<sup>1,2</sup></b>
Asgrow AG47XF2	0.3 fg
Asgrow AG48X9	2.0 bcd
Asgrow AG48XF2	0.3 fg
Asgrow AG48XF3	2.0 bcd
Asgrow AG49XF4	0.3 fg
Beck's 4887XF	0.3 fg
Delta Grow 47XF38	1.7 cde
Delta Grow 48X45	0.7 efg
Delta Grow 48XF33	0.0 g
Delta Grow 48XF42	1.0 d-g
Delta Grow 49XF85/STS	0.0 g
Don Mario DM48F53 (210985)	0.0 g
Dyna-Gro S47XF23S	0.7 efg
Dyna-Gro S49XF43S	0.7 efg
Dyna-Gro S49XF82	2.0 bcd
Gateway Seed 473XFS	1.7 cde
Great Heart Seed GT-4756XF	1.3 d-g
Great Heart Seed GT-4762XF	1.0 d-g
Great Heart Seed GT-4867XF	0.0 g
Innvictis A4862XF	0.3 fg
NK NK47-Z1XF	0.3 fg
NK NK48-A8XFS	3.7 a
NK NK49-C2XFS	3.0 ab
Pioneer P47A64X	0.3 fg
Progeny 4755XFS	2.0 bcd
Progeny 4778XFS	0.0 g
Progeny 4798XF	1.0 d-g
Progeny 4806XFS	2.7 abc
Progeny 4947XFS	0.3 fg
Revere 4727XF	1.0 d-g
Revere 4731XF	0.3 fg
Revere 4795XS	2.0 bcd
Revere 4826XFS	1.0 d-g
Revere 4934XF	0.0 g
	MSE 0.75
	CV (%) 74.8
	P-value for F-statistic <0.0001

<sup>1</sup>Frogeye leaf spot observation was conducted by observing the foliage in the upper third of the canopy for the presence of lesions associated with FLS. Ratings were given for each individual plot and then averaged for the three replicate plots of each cultivar. Plots were evaluated on a 0-9 scale.

<sup>2</sup>Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD ( $P=0.05$ ).

MISSISSIPPI SOYBEAN PROMOTION BOARD

**Response of maturity group V late soybean cultivars to frogeye leaf spot (FLS) from the MSU OVT trial conducted at Verona, MS during 2023.**

<b>Company/Cultivar</b>	<b>Stem Canker rating<sup>1,2</sup></b>
Innictis A5813XF	1.0 a
Progeny 5751XF	0.0 b
	MSE 0.0
	CV (%) 0.0
	<i>P</i> -value for F-statistic <0.0001

<sup>1</sup>Frogeye leaf spot observation was conducted by observing the foliage in the upper third of the canopy for the presence of lesions associated with FLS. Ratings were given for each individual plot and then averaged for the three replicate plots of each cultivar. Plots were evaluated on a 0-9 scale.

<sup>2</sup>Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD (*P*=0.05).

**Response of maturity group V early soybean cultivars to frogeye leaf spot (FLS) from the MSU OVT trial conducted at Verona, MS during 2023.**

<b>Company/Cultivar</b>	<b>Stem Canker rating<sup>1,2</sup></b>
Asgrow AG53XF2	0.3 de
Asgrow AG56XF2	0.0 e
Delta Grow 52XF22/STS	2.7 a
Delta Grow 53XF95/STS	0.3 de
Delta Grow 55X25	0.0 e
Delta Grow 55XF23	0.7 cde
Dyna-Gro S52XT91	1.3 a-e
Great Heart Seed GT-5214X	0.0 e
Great Heart Seed GT-5320XF	2.3 ab
Great Heart Seed GT-5417X	0.7 cde
Innictis A5003XF	0.0 e
NK NK52-V1XF	2.0 abc
NK NK54-J9XFS	1.0 b-e
NK NK56-Z6XFS	1.7 a-d
Pioneer P50A08LX	0.0 e
Pioneer P53A67X	0.0 e
Progeny 5056XFS	1.7 a-d
Progeny 5441XF	0.3 de
Progeny 5641XF	0.0 e
Revere 5029XF	2.0 abc
	MSE 0.88
	CV (%) 100.93
	<i>P</i> -value for F-statistic 0.0007

<sup>1</sup>An asterisk denotes an entry that was added to supplement the set of entries evaluated through toothpick <sup>1</sup>Frogeye leaf spot observation was conducted by observing the foliage in the upper third of the canopy for the presence of lesions associated with FLS. Ratings were given for each individual plot and then averaged for the three replicate plots of each cultivar. Plots were evaluated on a 0-9 scale.

<sup>2</sup>Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD (*P*=0.05).