

2022 MISSISSIPPI SOYBEAN VARIETY TRIALS SEED QUALITY RATINGS

Three of Mississippi Agricultural and Forestry Experiment Station (MAFES) Variety Testing Program locations (Crystal Springs and Verona non-irrigated and Stoneville loam soil irrigated) were rated for quality by Midsouth Grain Inspection Services, an official USDA-designated grain inspection agency. Ratings represent damage from each location and labeled “Damaged Kernels Total” and expressed in percentage of that sample size with damage kernels. Plots were harvested as quickly as possible so these ratings in the tables do not express any extended weathering pattern.

Summary of Damage Kernel Total (DKT) by Variety for MG IV Early Xtend/XtendFlex for the 2022 Mississippi Soybean Variety Trials.													
				Crystal Springs (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	DKT %
Armor	44-D49	IV Early	Xtend/XtendFlex	4/27	10/5	7.8	5/9	9/28	1.6	4/22	10/6	7.6	5.7
Armor	45-F02	IV Early	Xtend/XtendFlex	4/27	10/5	3.4	5/9	9/28	1.3	4/22	10/6	4.1	2.9
Armor	46-F13	IV Early	Xtend/XtendFlex	4/27	10/5	9.3	5/9	9/28	1.8	4/22	10/6	4.0	5.0
Armor	46-F96	IV Early	Xtend/XtendFlex	4/27	10/5	6.5	5/9	9/28	1.4	4/22	10/6	9.1	5.7
Asgrow	AG42XF2	IV Early	Xtend/XtendFlex	4/27	10/5	9.3	5/9	9/28	1.1	4/22	10/6	7.0	5.8
Asgrow	AG45XF3	IV Early	Xtend/XtendFlex	4/27	10/5	6.4	5/9	9/28	0.9	4/22	10/6	3.1	3.5
Asgrow	AG46XF3	IV Early	Xtend/XtendFlex	4/27	10/5	5.2	5/9	9/28	1.0	4/22	10/6	4.4	3.5
Beck's Hybrids	4553XF	IV Early	Xtend/XtendFlex	4/27	10/5	6.3	5/9	9/28	1.1	4/22	10/6	3.4	3.6
Delta Grow	44XF41	IV Early	Xtend/XtendFlex	4/27	10/5	8.6	5/9	9/28	0.9	4/22	10/6	9.0	6.2
Delta Grow	46XF18	IV Early	Xtend/XtendFlex	4/27	10/5	6.5	5/9	9/28	1.9	4/22	10/6	12.9	7.1
Dyna-Gro	S43XS70	IV Early	Xtend/XtendFlex	4/27	10/5	5.8	5/9	9/28	1.4	4/22	10/6	5.0	4.1
Dyna-Gro	S45XF02	IV Early	Xtend/XtendFlex	4/27	10/5	4.7	5/9	9/28	0.3	4/22	10/6	3.6	2.9
Dyna-Gro	S46XF31S	IV Early	Xtend/XtendFlex	4/27	10/5	7.7	5/9	9/28	0.6	4/22	10/6	5.5	4.6
Gateway Seed	453RXS	IV Early	Xtend/XtendFlex	4/27	10/5	7.1	5/9	9/28	1.5	4/22	10/6	7.4	5.3
Gateway Seed	465RXS	IV Early	Xtend/XtendFlex	4/27	10/5	5.3	5/9	9/28	1.6	4/22	10/6	3.3	3.4
Gateway Seed	469XF	IV Early	Xtend/XtendFlex	4/27	10/5	6.1	5/9	9/28	1.4	4/22	10/6	7.3	4.9
Great Heart Seed	GT-4344XF	IV Early	Xtend/XtendFlex	4/27	10/5	6.4	5/9	9/28	0.6	4/22	10/6	6.1	4.4
Great Heart Seed	GT-4681XFS	IV Early	Xtend/XtendFlex	4/27	10/5	14.4	5/9	9/28	0.6	4/22	10/6	9.2	8.1
Innvictis	A4632XF	IV Early	Xtend/XtendFlex	4/27	10/5	8.5	5/9	9/28	0.7	4/22	10/6	8.7	6.0
Innvictis	A4642XF	IV Early	Xtend/XtendFlex	4/27	10/5	6.9	5/9	9/28	1.5	4/22	10/6	4.6	4.3
Innvictis	A4662XF	IV Early	Xtend/XtendFlex	4/27	10/5	4.8	5/9	9/28	0.9	4/22	10/6	5.3	3.7
Innvictis Seed	A 4690XF	IV Early	Xtend/XtendFlex	4/27	10/5	6.9	5/9	9/28	0.6	4/22	10/6	5.6	4.4
Local Seed	LS4128XFS	IV Early	Xtend/XtendFlex	4/27	10/5	8.5	5/9	9/28	1.7	4/22	10/6	3.7	4.6
Local Seed	LS4526XF	IV Early	Xtend/XtendFlex	4/27	10/5	4.9	5/9	9/28	1.3	4/22	10/6	2.7	3.0
Local Seed Co	LS4415XF	IV Early	Xtend/XtendFlex	4/27	10/5	6.6	5/9	9/28	0.6	4/22	10/6	2.9	3.4
Local Seed Co	LS4606XFS	IV Early	Xtend/XtendFlex	4/27	10/5	10.3	5/9	9/28	1.0	4/22	10/6	5.6	5.6
MorSoy	MS 4681 RXT	IV Early	Xtend/XtendFlex	4/27	10/5	4.9	5/9	9/28	1.9	4/22	10/6	4.3	3.7
NK Brand	NK42-T5XF	IV Early	Xtend/XtendFlex	4/27	10/5	10.0	5/9	9/28	3.5	4/22	10/6	7.1	6.9
NK Brand	NK43-V8XF	IV Early	Xtend/XtendFlex	4/27	10/5	9.5	5/9	9/28	2.5	4/22	10/6	15.0	9.0
NK Brand	NK43-Y9XFS	IV Early	Xtend/XtendFlex	4/27	10/5	10.9	5/9	9/28	0.7	4/22	10/6	11.4	7.7
NK Brand	NK44-J4XFS	IV Early	Xtend/XtendFlex	4/27	10/5	10.6	5/9	9/28	1.0	4/22	10/6	15.7	9.1
NK Brand	NK45-P9XF	IV Early	Xtend/XtendFlex	4/27	10/5	8.3	5/9	9/28	1.2	4/22	10/6	6.3	5.3
Progeny	P 4200XS	IV Early	Xtend/XtendFlex	4/27	10/5	7.7	5/9	9/28	1.5	4/22	10/6	10.3	6.5
Progeny	P 4202XFS	IV Early	Xtend/XtendFlex	4/27	10/5	4.4	5/9	9/28	1.4	4/22	10/6	4.0	3.3
Progeny	P 4505RXS	IV Early	Xtend/XtendFlex	4/27	10/5	8.3	5/9	9/28	1.4	4/22	10/6	6.0	5.2
Progeny	P 4604XFS	IV Early	Xtend/XtendFlex	4/27	10/5	6.3	5/9	9/28	1.6	4/22	10/6	4.1	4.0
Progeny	P 4691XFS	IV Early	Xtend/XtendFlex	4/27	10/5	5.0	5/9	9/28	1.3	4/22	10/6	7.4	4.6
Progeny	P4444RXS	IV Early	Xtend/XtendFlex	4/27	10/5	6.4	5/9	9/28	1.0	4/22	10/6	4.7	4.0
Progeny	P4521XFS	IV Early	Xtend/XtendFlex	4/27	10/5	6.1	5/9	9/28	1.0	4/22	10/6	2.0	3.0

Summary of Damage Kernel Total (DKT) by Variety for MG IV Enlist for the 2022 Mississippi Soybean Variety Trials.													
				Crystal Springs (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	DKT %
Delta Grow	45E33	IV	IV Enlist	4/27	10/5	7.0	5/9	9/28	2.3	4/22	10/6	3.3	4.2
Delta Grow	48E60	IV	IV Enlist	4/27	10/5	3.6	5/9	9/28	2.1	4/22	10/6	5.9	3.9
Local Seed	IS4737E3	IV	IV Enlist	4/27	10/5	8.6	5/9	9/28	2.5	4/22	10/6	3.0	4.7
Delta Grow	46E10	IV	IV Enlist	4/27	10/5	7.4	5/9	9/28	3.0	4/22	10/6	5.2	5.2
Delta Grow	48E59	IV	IV Enlist	4/27	10/5	2.3	5/9	9/28	1.6	4/22	10/6	4.7	2.9
Progeny Ag	4775E3S	IV	IV Enlist	4/27	10/5	4.0	5/9	9/28	3.1	4/22	10/6	2.4	3.2

Summary of Damage Kernel Total (DKT) by Variety for MG IV Late Xtend/XtendFlex for the 2022 Mississippi Soybean Variety Trials.													
				Crystal Springs (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	DKT %
Armor	48-D25	IV Late	Xtend/XtendFlex	4/27	10/5	6.4	5/9	9/28	1.1	4/22	10/6	2.0	3.2
Armor	48-F22	IV Late	Xtend/XtendFlex	4/27	10/5	8.1	5/9	9/28	3.1	4/22	10/6	6.2	5.8
Armor	49-F37	IV Late	Xtend/XtendFlex	4/27	10/5	7.6	5/9	9/28	2.1	4/22	10/6	5.5	5.1
Asgrow	AG47XF3	IV Late	Xtend/XtendFlex	4/27	10/5	7.1	5/9	9/28	1.8	4/22	10/6	2.7	3.9
Asgrow	AG48XF3	IV Late	Xtend/XtendFlex	4/27	10/5	4.0	5/9	9/28	0.9	4/22	10/6	2.4	2.4
Asgrow	AG49XF3	IV Late	Xtend/XtendFlex	4/27	10/5	9.3	5/9	9/28	1.5	4/22	10/6	4.6	5.1
Beck's Hybrids	4885XF	IV Late	Xtend/XtendFlex	4/27	10/5	13.5	5/9	9/28	0.6	4/22	10/6	6.1	6.7
Delta Grow	46X65/STS	IV Late	Xtend/XtendFlex	4/27	10/5	6.7	5/9	9/28	0.7	4/22	10/6	2.6	3.3
Delta Grow	48X45	IV Late	Xtend/XtendFlex	4/27	10/5	13.0	5/9	9/28	4.4	4/22	10/6	3.5	7.0
Delta Grow	48X45	IV Late	Xtend/XtendFlex	4/27	10/5	9.0	5/9	9/28	1.8	4/22	10/6	4.2	5.0
Delta Grow	49XF29/STS	IV Late	Xtend/XtendFlex	4/27	10/5	5.6	5/9	9/28	2.3	4/22	10/6	3.5	3.8
Dyna-Gro	S46XS60	IV Late	Xtend/XtendFlex	4/27	10/5	5.4	5/9	9/28	1.3	4/22	10/6	3.7	3.5
Dyna-Gro	S47XF23S	IV Late	Xtend/XtendFlex	4/27	10/5	6.9	5/9	9/28	0.5	4/22	10/6	2.1	3.2
Dyna-Gro	S47XF52	IV Late	Xtend/XtendFlex	4/27	10/5	6.1	5/9	9/28	2.2	4/22	10/6	1.8	3.4
Dyna-Gro	S48XF61S	IV Late	Xtend/XtendFlex	4/27	10/5	7.5	5/9	9/28	2.2	4/22	10/6	6.3	5.3
Dyna-Gro	S48XT90	IV Late	Xtend/XtendFlex	4/27	10/5	8.3	5/9	9/28	1.0	4/22	10/6	3.4	4.2
Dyna-Gro	S49XF82S	IV Late	Xtend/XtendFlex	4/27	10/5	1.9	5/9	9/28	3.2	4/22	10/6	2.7	2.6
Dyna-Gro	S49XT70	IV Late	Xtend/XtendFlex	4/27	10/5	2.0	5/9	9/28	1.9	4/22	10/6	1.6	1.8
Gateway Seed	471XF	IV Late	Xtend/XtendFlex	4/27	10/5	10.1	5/9	9/28	1.6	4/22	10/6	4.5	5.4
Great Heart	GT-4255XS	IV Late	Xtend/XtendFlex	4/27	10/5	6.5	5/9	9/28	1.2	4/22	10/6	10.4	6.0
Great Heart	GT-4677XS	IV Late	Xtend/XtendFlex	4/27	10/5	10.8	5/9	9/28	0.5	4/22	10/6	6.3	5.9
Great Heart	GT-4979X	IV Late	Xtend/XtendFlex	4/27	10/5	3.7	5/9	9/28	2.6	4/22	10/6	3.0	3.1
Great Heart Seed	GT-4756XF	IV Late	Xtend/XtendFlex	4/27	10/5	6.2	5/9	9/28	1.1	4/22	10/6	2.3	3.2
Great Heart Seed	GT-4762XF	IV Late	Xtend/XtendFlex	4/27	10/5	5.7	5/9	9/28	1.8	4/22	10/6	5.4	4.3
Great Heart Seed	GT-4828X	IV Late	Xtend/XtendFlex	4/27	10/5	10.0	5/9	9/28	1.9	4/22	10/6	5.5	5.8
Innvictis	A4742XF	IV Late	Xtend/XtendFlex	4/27	10/5	6.9	5/9	9/28	0.5	4/22	10/6	3.9	3.8
Innvictis Seed	A 4850XF	IV Late	Xtend/XtendFlex	4/27	10/5	7.6	5/9	9/28	3.2	4/22	10/6	5.5	5.4
Innvictis Seed	A 4950X	IV Late	Xtend/XtendFlex	4/27	10/5	5.8	5/9	9/28	1.7	4/22	10/6	4.3	3.9
Local Seed	LS4727XF	IV Late	Xtend/XtendFlex	4/27	10/5	7.5	5/9	9/28	1.4	4/22	10/6	3.2	4.0
Local Seed	LS4795XS	IV Late	Xtend/XtendFlex	4/27	10/5	8.7	5/9	9/28	1.1	4/22	10/6	3.0	4.3
Local Seed	LS4826XFS	IV Late	Xtend/XtendFlex	4/27	10/5	7.4	5/9	9/28	0.6	4/22	10/6	3.0	3.7
Local Seed	LS4925XF	IV Late	Xtend/XtendFlex	4/27	10/5	5.4	5/9	9/28	3.0	4/22	10/6	1.2	3.2
Local Seed Co.	LS4806XS	IV Late	Xtend/XtendFlex	4/27	10/5	5.2	5/9	9/28	2.3	4/22	10/6	2.6	3.4
MorSoy	MS 4846 RXT	IV Late	Xtend/XtendFlex	4/27	10/5	6.0	5/9	9/28	1.2	4/22	10/6	3.4	3.5
MorSoy	MS 4852	IV Late	Xtend/XtendFlex	4/27	10/5	5.3	5/9	9/28	1.8	4/22	10/6	2.4	3.2
NK Brand	NK47-Z1XF	IV Late	Xtend/XtendFlex	4/27	10/5	5.5	5/9	9/28	2.4	4/22	10/6	1.9	3.3
Progeny	P 4732XF	IV Late	Xtend/XtendFlex	4/27	10/5	6.1	5/9	9/28	1.8	4/22	10/6	14.0	7.3
Progeny	P 4798XF	IV Late	Xtend/XtendFlex	4/27	10/5	4.4	5/9	9/28	1.9	4/22	10/6	2.8	3.0
Progeny	P 4806XFS	IV Late	Xtend/XtendFlex	4/27	10/5	9.2	5/9	9/28	1.5	4/22	10/6	5.8	5.5
Progeny	P 4821RX	IV Late	Xtend/XtendFlex	4/27	10/5	8.8	5/9	9/28	1.8	4/22	10/6	6.6	5.7
Progeny	P 4844XFS	IV Late	Xtend/XtendFlex	4/27	10/5	5.1	5/9	9/28	0.9	4/22	10/6	4.2	3.4
Progeny	P 4951XFS	IV Late	Xtend/XtendFlex	4/27	10/5	5.3	5/9	9/28	1.1	4/22	10/6	4.1	3.5

Summary of Damage Kernel Total (DKT) by Variety for MG V Early Xtend/XtendFlex for the 2022 Mississippi Soybean Variety Trials.													
				Crystal Springs (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	DKT %
Armor	51-F88	V Early	Xtend/XtendFlex	4/27	10/5	5.6	5/9	9/28	2.6	4/22	10/6	4.4	4.2
Asgrow	AG53XF2	V Early	Xtend/XtendFlex	4/27	10/5	5.2	5/9	9/28	3.4	4/22	10/6	3.1	3.9
Asgrow	AG56XF2	V Early	Xtend/XtendFlex	4/27	10/5	3.2	5/9	9/28	1.4	4/22	10/6	1.0	1.9
Delta Grow	52XF22/STS	V Early	Xtend/XtendFlex	4/27	10/5	7.6	5/9	9/28	3.9	4/22	10/6	4.4	5.3
Delta Grow	54XF20	V Early	Xtend/XtendFlex	4/27	10/5	1.2	5/9	9/28	0.9	4/22	10/6	0.3	0.8
Dyna-Gro	S52XT91	V Early	Xtend/XtendFlex	4/27	10/5	6.5	5/9	9/28	2.0	4/22	10/6	1.5	3.3
Great Heart Seed	GT-5214X	V Early	Xtend/XtendFlex	4/27	10/5	5.0	5/9	9/28	8.6	4/22	10/6	1.0	4.9
Innvictis	A5451XF	V Early	Xtend/XtendFlex	4/27	10/5	1.0	5/9	9/28	0.9	4/22	10/6	1.9	1.3
Local Seed	LS5029XF	V Early	Xtend/XtendFlex	4/27	10/5	8.2	5/9	9/28	1.4	4/22	10/6	3.4	4.3
Local Seed	LS5386X	V Early	Xtend/XtendFlex	4/27	10/5	5.1	5/9	9/28	7.1	4/22	10/6	2.2	4.8
Local Seed	LS5588X	V Early	Xtend/XtendFlex	4/27	10/5	1.9	5/9	9/28	0.9	4/22	10/6	0.5	1.1
Local Seed	LS5614XF	V Early	Xtend/XtendFlex	4/27	10/5	3.2	5/9	9/28	1.5	4/22	10/6	0.3	1.7
NK Brand	NK55-T2XF	V Early	Xtend/XtendFlex	4/27	10/5	7.3	5/9	9/28	1.3	4/22	10/6	1.6	3.4
Progeny	P 5056XFS	V Early	Xtend/XtendFlex	4/27	10/5	2.6	5/9	9/28	6.2	4/22	10/6	2.9	3.9
Progeny	P 5554RX	V Early	Xtend/XtendFlex	4/27	10/5	1.2	5/9	9/28	0.4	4/22	10/6	0.9	0.8
Progeny	P5016RXS	V Early	Xtend/XtendFlex	4/27	10/5	20.2	5/9	9/28	3.5	4/22	10/6	7.0	10.2
Progeny	P5150XFS	V Early	Xtend/XtendFlex	4/27	10/5	5.0	5/9	9/28	1.9	4/22	10/6	2.8	3.2
Progeny	P5252RX	V Early	Xtend/XtendFlex	4/27	10/5	0.9	5/9	9/28	1.2	4/22	10/6	0.0	0.7

Summary of Damage Kernel Total (DKT) by Variety for MG V Enlist for the 2022 Mississippi Soybean Variety Trials.													
				Crystal Springs (Non-Irrigated)			Stoneville, loam (Irrigated)			Verona (Non-Irrigated)			Average
Brand	Variety	MG	Technology	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	Planting date	Harvest date	DKT %	DKT %
Delta Grow	52E80	V	V Enlist	4/27	10/5	2.8	5/9	9/28	3.1	4/22	10/6	2.7	2.9
Delta Grow	53E30	V	V Enlist	4/27	10/5	6.9	5/9	9/28	5.7	4/22	10/6	2.7	5.1



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