

SEED QUALITY RATINGS 2019 MISSISSIPPI SOYBEAN VARIETY TRIALS

Soybean variety trials were conducted at eight location across Mississippi in 2019 through the Mississippi State University, Mississippi Agricultural and Forestry Experiment Station (MAFES) Variety Testing Program and three locations (Brooksville and Raymond non-irrigated and Stoneville clay 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. Tables will show planting date, harvest date and damage kernel totals. For yield information for these locations or any of the variety testing sites go visit

<https://www.mssoy.org/variety-selector>

Summary of Damage Kernel Total (DKT) For Maturity Group IV Enlist or RR in the
2019 Mississippi Soybean Variety Trials

Brand	Variety	Brooksville (Non-Irrigated)			Raymond (Non-Irrigated)			Stoneville, clay (Irrigated)			Avg. DKT %
		Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	
Delta Grow	45E23	5/2	10/9	3.2	5/22	9/24	0.8	5/24	11/6	1.7	1.9
Delta Grow	46E29	5/2	10/9	1.2	5/22	9/24	1.1	5/24	11/6	3.5	1.9
Delta Grow	47E19	5/2	10/9	3.7	5/22	9/24	1.0	5/24	11/6	2.2	2.3
Delta Grow	47E25	5/2	10/9	1.9	5/22	9/24	1.6	5/24	11/6	0.8	1.4
Delta Grow	48E10	5/2	10/9	3.3	5/22	9/24	2.1	5/24	11/6	3.0	2.8
Delta Grow	48E28	5/2	10/9	2.6	5/22	9/24	0.6	5/24	11/6	2.6	1.9
Delta Grow	48E39	5/2	10/9	2.5	5/22	9/24	0.6	5/24	11/6	2.6	1.9
Delta Grow	48E49	5/2	10/9	1.1	5/22	9/24	0.5	5/24	11/6	1.7	1.1
Delta Grow	49E29	5/2	10/9	0.8	5/22	9/24	0.9	5/24	11/6	1.7	1.1
DONMARIO	DM 48E73	5/2	10/9	0.7	5/22	9/24	1.1	5/24	11/6	2.0	1.3
Go Soy	463E19	5/2	10/9	2.8	5/22	9/24	0.5	5/24	11/6	1.8	1.7
Go Soy	482E18	5/2	10/9	2.5	5/22	9/24	1.4	5/24	11/6	2.3	2.1
Local Seed	Z4596GLS	5/2	10/9	1.9	5/22	9/24	1.5	5/24	11/6	1.3	1.6
Local Seed	Z4694E3S	5/2	10/9	2.7	5/22	9/24	0.4	5/24	11/6	1.2	1.4
Local Seed	Z4797E3	5/2	10/9	3.9	5/22	9/24	2.0	5/24	11/6	1.8	2.6
Petrus Seed	4916 GT	5/2	10/9	0.9	5/22	9/24	0.9	5/24	11/6	2.5	1.4
University of Missouri	S14-15138R	5/2	10/9	1.0	5/22	9/24	0.2	5/24	11/6	2.4	1.2
University of Missouri	S14-15146R	5/2	10/9	3.7	5/22	9/24	0.7	5/24	11/6	4.3	2.9
USG	7480ET	5/2	10/9	3.1	5/22	9/24	1.0	5/24	11/6	2.2	2.1



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Summary of Damage Kernel Total (DKT) For Maturity Group IV Liberty Link in the
2019 Mississippi Soybean Variety Trials

Brand	Variety	Brooksville (Non-Irrigated)			Raymond (Non-Irrigated)			Stoneville, clay (Irrigated)			Avg. DKT %
		Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	
Credenz	CZ 4649LL	5/2	10/10	1.2	5/22	9/24	1.1	5/24	11/6	0.2	0.8
Delta Grow	DG 4977LL/STS	5/2	10/10	2.0	5/22	9/24	1.9	5/24	11/6	0.5	1.5
Go Soy	44GL18	5/2	10/10	4.4	5/22	9/24	4.2	5/24	11/6	3.5	4.0
Go Soy	46GL18	5/2	10/10	6.0	5/22	9/24	5.4	5/24	11/6	4.6	5.3



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**Summary of Damage Kernel Total (DKT) For Maturity Group IV Early Xtend in the
2019 Mississippi Soybean Variety Trials**

Brand	Variety	Brooksville (Non-Irrigated)			Raymond (Non-Irrigated)			Stoneville, clay (Irrigated)			Avg. DKT %
		Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	
Armor	42-D27	5/2	10/9	2.8	5/22	9/24	1.6	5/24	11/6	1.3	1.9
Armor	44-D92	5/2	10/9	3.1	5/22	9/24	0.7	5/24	11/6	3.6	2.5
Armor	45-D51	5/2	10/9	2.8	5/22	9/24	1.0	5/24	11/6	1.4	1.7
Asgrow	AG43X0	5/2	10/9	3.7	5/22	9/24	1.1	5/24	11/6	1.8	2.2
Asgrow	AG43X8	5/2	10/9	1.4	5/22	9/24	0.9	5/24	11/6	0.7	1.0
Asgrow	AG45X8	5/2	10/9	2.7	5/22	9/24	1.0	5/24	11/6	3.1	2.3
Asgrow	AG46X0	5/2	10/9	3.5	5/22	9/24	1.7	5/24	11/6	1.2	2.1
Asgrow	AG46X6	5/2	10/9	3.0	5/22	9/24	1.7	5/24	11/6	1.5	2.1
Delta Grow	46X65	5/2	10/9	0.8	5/22	9/24	0.5	5/24	11/6	0.4	0.6
Delta Grow	DG 46X25	5/2	10/9	1.3	5/22	9/24	1.2	5/24	11/6	0.4	1.0
Dyna-Gro	S45XS37	5/2	10/9	4.2	5/22	9/24	0.8	5/24	11/6	1.5	2.2
Dyna-Gro	S45XS66	5/2	10/9	3.7	5/22	9/24	0.8	5/24	11/6	1.1	1.9
Dyna-Gro	S46XS60	5/2	10/9	2.0	5/22	9/24	0.8	5/24	11/6	1.8	1.5
Great Heart	GT-4255XS	5/2	10/9	4.5	5/22	9/24	1.4	5/24	11/6	2.4	2.8
Great Heart	GT-4616X	5/2	10/9	4.0	5/22	9/24	1.0	5/24	11/6	2.1	2.4
Great Heart	GT-4677XS	5/2	10/10	1.3	5/22	9/24	1.4	5/24	11/6	0.8	1.2
LG Seeds	LGS4420RX	5/2	10/9	6.8	5/22	9/24	2.3	5/24	11/6	0.8	3.3
Local Seed	LS3976X	5/2	10/9	4.3	5/22	9/24	2.4	5/24	11/6	2.8	3.2
Local Seed	LS4299XS	5/2	10/9	3.1	5/22	9/24	1.7	5/24	11/6	3.4	2.7
Local Seed	LS4407X	5/2	10/9	1.3	5/22	9/24	3.6	5/24	11/6	2.8	2.6
Local Seed	LS4487XS	5/2	10/9	4.6	5/22	9/24	1.4	5/24	11/6	0.4	2.1
Local Seed	LS4565XS	5/2	10/9	3.7	5/22	9/24	1.4	5/24	11/6	0.7	1.9
Local Seed	LS4583X	5/2	10/9	2.8	5/22	9/24	0.9	5/24	11/6	1.4	1.7
Local Seed	LS4677X	5/2	10/9	4.8	5/22	9/24	1.4	5/24	11/6	2.5	2.9
Local Seed	LS4795XS	5/2	10/9	1.8	5/22	9/24	1.5	5/24	11/6	0.9	1.4
Mission Seed	A4448X	5/2	10/9	2.4	5/22	9/24	0.5	5/24	11/6	2.1	1.7
Mission Seed	A4618X	5/2	10/10	3.6	5/22	9/24	0.6	5/24	11/6	0.9	1.7
MorSoy	MS 4616 RXT	5/2	10/9	1.2	5/22	9/24	0.8	5/24	11/6	0.8	0.9
NK Brand	S39-G2X	5/2	10/9	2.0	5/22	9/24	2.7	5/24	11/6	16.6	7.1
NK Brand	S44-C7X	5/2	10/9	5.6	5/22	9/24	2.1	5/24	11/6	1.0	2.9
Pioneer	P42A96X	5/2	10/9	4.9	5/22	9/24	3.8	5/24	11/6	2.2	3.6
Pioneer	P44A72BX	5/2	10/9	2.7	5/22	9/24	1.2	5/24	11/6	1.0	1.6
Pioneer	P46A57BX	5/2	10/9	3.4	5/22	9/24	2.0	5/24	11/6	1.5	2.3
Progeny Ag	P 4620RXS	5/2	10/9	3.5	5/22	9/24	1.0	5/24	11/6	1.4	2.0
Progeny Ag	P4255RX	5/2	10/9	1.5	5/22	9/24	1.8	5/24	11/6	2.2	1.8
Progeny Ag	P4265RXS	5/2	10/9	3.9	5/22	9/24	1.5	5/24	11/6	1.7	2.4
Progeny Ag	P4444RXS	5/2	10/9	2.2	5/22	9/24	1.4	5/24	11/6	0.6	1.4
Terral	REV 4679X	5/2	10/9	3.7	5/22	9/24	1.5	5/24	11/6	2.0	2.4



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**Summary of Damage Kernel Total (DKT) For Maturity Group IV Late Xtend in the
2019 Mississippi Soybean Variety Trials**

Brand	Variety	Brooksville (Non-Irrigated)			Raymond (Non-Irrigated)			Stoneville, clay (Irrigated)			Avg. DKT %
		Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	
AgriGold	G4815RX	5/2	10/10	3.9	5/22	9/24	1.4	5/24	11/8	0.9	2.1
AGS	GS47X19	5/2	10/10	1.1	5/22	9/24	0.6	5/24	11/8	1.0	0.9
AGS	GS49X19	5/2	10/10	2.0	5/22	9/24	0.6	5/24	11/8	2.0	1.5
Armor	47-D18*	5/2	10/10	2.7	5/22	9/24	1.6	5/24	11/8	1.4	1.9
Armor	47-D85	5/2	10/10	2.2	5/22	9/24	1.5	5/24	11/8	0.3	1.3
Armor	48-D25	5/2	10/10	1.9	5/22	9/24	1.1	5/24	11/8	1.2	1.4
Armor	49-D67	5/2	10/10	3.0	5/22	9/24	0.3	5/24	11/8	0.7	1.3
Asgrow	AG47X9	5/2	10/10	1.6	5/22	9/24	1.4	5/24	11/8	0.2	1.1
Asgrow	AG48X9	5/2	10/10	1.5	5/22	9/24	0.8	5/24	11/8	1.4	1.2
Asgrow	AG49X9	5/2	10/10	3.1	5/22	9/24	1.4	5/24	11/8	0.6	1.7
Credenz	CZ 4869X	5/2	10/10	5.7	5/22	9/24	0.3	5/24	11/8	0.5	2.2
Credenz	CZ 4979X	5/2	10/10	2.5	5/22	9/24	0.4	5/24	11/8	1.9	1.6
Delta Grow	47X95	5/2	10/10	3.1	5/22	9/24	1.1	5/24	11/8	0.6	1.6
Delta Grow	48X05	5/2	10/10	1.4	5/22	9/24	0.5	5/24	11/8	0.6	0.8
Delta Grow	48X95	5/2	10/10	2.7	5/22	9/24	0.9	5/24	11/8	1.0	1.5
Delta Grow	49X15	5/2	10/10	0.9	5/22	9/24	1.1	5/24	11/8	2.1	1.4
Delta Grow	DG 48X45	5/2	10/10	2.3	5/22	9/24	0.3	5/24	11/8	0.6	1.1
DONMARIO	47X01	5/2	10/10	1.9	5/22	9/24	0.6	5/24	11/8	2.5	1.7
DONMARIO	DM 49x13	5/2	10/10	1.5	5/22	9/24	1.3	5/24	11/8	0.6	1.1
Dyna-Gro	S47XT20	5/2	10/10	0.6	5/22	9/24	1.2	5/24	11/8	0.9	0.9
Dyna-Gro	S48XT56	5/2	10/10	3.7	5/22	9/24	0.4	5/24	11/8	1.3	1.8
Dyna-Gro	S49XT39	5/2	10/10	1.7	5/22	9/24	3.7	5/24	11/8	1.3	2.2
Dyna-Gro	S49XT70	5/2	10/10	2.0	5/22	9/24	0.9	5/24	11/8	0.4	1.1
Great Heart	GT-4764XS	5/2	10/10	2.2	5/22	9/24	1.0	5/24	11/8	0.9	1.4
Great Heart	GT-4802X	5/2	10/10	1.4	5/22	9/24	0.4	5/24	11/8	1.9	1.2
Great Heart	GT-4833XS	5/2	10/10	2.1	5/22	9/24	0.8	5/24	11/8	1.2	1.4
Great Heart	GT-4979X	5/2	10/10	1.0	5/22	9/24	0.4	5/24	11/8	1.5	1.0
LG Seeds	C4845RX	5/2	10/10	3.1	5/22	9/24	0.2	5/24	11/8	0.9	1.4
LG Seeds	LGS4899RX	5/2	10/10	0.8	5/22	9/24	0.9	5/24	11/8	1.7	1.1
LG Seeds	LGS4931RX	5/2	10/10	2.6	5/22	9/24	0.7	5/24	11/8	1.3	1.5
Local Seed	LS4798X	5/2	10/10	2.7	5/22	9/24	0.9	5/24	11/8	2.3	2.0
Local Seed	LS4889XS	5/2	10/10	2.3	5/22	10/1	1.6	5/24	11/8	1.4	1.8
Local Seed	LS4894X	5/2	10/10	3.1	5/22	9/24	0.8	5/24	11/8	2.2	2.0
Local Seed	LSX4901X	5/2	10/10	1.6	5/22	9/24	1.0	5/24	11/8	0.8	1.1
Mission Seed	A4950X	5/2	10/10	1.9	5/22	9/24	1.2	5/24	11/8	2.0	1.7
MorSoy	MS 4846 RXT	5/2	10/10	2.1	5/22	9/24	1.2	5/24	11/8	0.6	1.3
NK Brand	S47-Y9X	5/2	10/10	3.5	5/22	9/24	0.3	5/24	11/8	0.4	1.4
NK Brand	S49-F5X	5/2	10/10	0.7	5/22	9/24	0.6	5/24	11/8	0.4	0.6
Pioneer	P48A60X	5/2	10/10	2.5	5/22	9/24	1.2	5/24	11/8	1.3	1.7
Progeny Ag	P4799RXS	5/2	10/10	3.0	5/22	9/24	1.3	5/24	11/8	1.3	1.9
Progeny Ag	P4816RX	5/2	10/10	1.9	5/22	9/24	0.9	5/24	11/8	0.9	1.2
Progeny Ag	P4821RX	5/2	10/10	3.5	5/22	9/24	2.0	5/24	11/8	0.6	2.0
Progeny Ag	P4851RX	5/2	10/10	3.8	5/22	9/24	0.9	5/24	11/8	0.5	1.7
Progeny Ag	P4999RX	5/2	10/10	2.6	5/22	9/24	1.0	5/24	11/8	1.5	1.7
Terral Seed	REV 4927X	5/2	10/10	1.8	5/22	9/24	0.8	5/24	11/8	0.5	1.0
Terral Seed	REV 4940X	5/2	10/10	2.1	5/22	9/24	0.9	5/24	11/8	0.5	1.2
USG	7470XTS	5/2	10/10	1.2	5/22	9/24	1.1	5/24	11/8	1.1	1.1
USG	7489XTS	5/2	10/10	2.2	5/22	9/24	0.5	5/24	11/8	1.1	1.3
USG	7496XTS	5/2	10/10	2.0	5/22	9/24	2.3	5/24	11/8	1.1	1.8



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**Summary of Damage Kernel Total (DKT) For Maturity Group V Enlist or RR in the
2019 Mississippi Soybean Variety Trials**

Brand	Variety	Brooksville (Non-Irrigated)			Raymond (Non-Irrigated)			Stoneville, clay (Irrigated)			Avg. DKT %
		Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	
Delta Grow	52E22	5/2	10/10	1.2	5/22	10/1	1.0	5/24	11/8	0.7	1.0
Delta Grow	5585 RR2/STS	5/2	10/9	0.9	5/22	9/24	1.0	5/24	11/8	1.0	1.0
Go Soy	512E18	5/2	10/10	3.8	5/22	10/1	1.2	5/24	11/8	0.9	2.0
Univ. of Missouri	S16-3747RY *	5/2	10/10	1.2	5/22	10/1	1.0	5/24	11/8	0.7	1.0
Go Soy	50G17	5/2	10/9	0.9	5/22	9/24	1.0	5/24	11/8	1.0	1.0
Univ. of Missouri	S14-9017R	5/2	10/10	3.8	5/22	10/1	1.2	5/24	11/8	0.9	2.0



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**Summary of Damage Kernel Total (DKT) For Maturity Group V Xtend in the
2019 Mississippi Soybean Variety Trials**

Brand	Variety	Brooksville (Non-Irrigated)			Raymond (Non-Irrigated)			Stoneville, clay (Irrigated)			Avg. DKT %
		Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	
Delta Grow	S4X25	5/2	10/10	1.2	5/22	10/1	0.7	5/24	11/8	0.3	0.7
Dyna-Gro	S54XT17	5/2	10/10	1.8	5/22	10/1	1.2	5/24	11/8	0.5	1.2
Dyna-Gro	S56XT99	5/2	10/10	0.2	5/22	10/1	0.3	5/24	11/8	0.4	0.3
Great Heart	GT-5528X	5/2	10/10	1.9	5/22	10/1	0.4	5/24	11/8	0.1	0.8
Local Seed	LS5386X	5/2	10/10	2.5	5/22	10/1	0.8	5/24	11/8	0.2	1.2
Local Seed	LS5588X	5/2	10/10	0.3	5/22	10/1	0.8	5/24	11/8	0.2	0.4
NK Brand	S51-R3XS	5/2	10/10	1.4	5/22	10/1	0.9	5/24	11/8	0.2	0.8
NK Brand	S53-F7X	5/2	10/10	1.1	5/22	10/1	1.5	5/24	11/8	0.3	1.0
Progeny Ag	P5170RX	5/2	10/10	2.1	5/22	10/1	0.3	5/24	11/8	0.3	0.9
Progeny Ag	P5688RX	5/2	10/10	0.4	5/22	10/1	0.5	5/24	11/8	0.2	0.4
Terral Seed	REV 5659X	5/2	10/10	0.5	5/22	10/1	0.6	5/24	11/8	0.1	0.4
AgriGold	G5000RX	5/2	10/10	1.5	5/22	10/1	0.5	5/24	11/8	0.5	0.8
Armor	51-D77	5/2	10/10	0.3	5/22	10/1	0.9	5/24	11/8	0.2	0.5
Armor	52-D71	5/2	10/10	1.1	5/22	10/1	0.6	5/24	11/8	0.8	0.8
Asgrow	AG52X9	5/2	10/10	0.7	5/22	10/1	0.7	5/24	11/8	0.6	0.7
Asgrow	AG53X9	5/2	10/10	0.8	5/22	10/1	0.8	5/24	11/8	1.2	0.9
Asgrow	AG55X7	5/2	10/10	0.7	5/22	10/1	0.3	5/24	11/8	0.6	0.5
Dyna-Gro	S52X539	5/2	10/10	0.3	5/22	10/1	0.4	5/24	11/8	0.4	0.4
Dyna-Gro	S52XT08	5/2	10/10	0.4	5/22	10/1	0.6	5/24	11/8	0.6	0.5
Local Seed	LS5087X	5/2	10/10	1.8	5/22	10/1	3.4	5/24	11/8	1.5	2.2
Pioneer	P54A54X	5/2	10/10	0.5	5/22	10/1	0.5	5/24	11/8	0.3	0.4
Pioneer	P55A49X	5/2	10/10	0.4	5/22	10/1	0.8	5/24	11/8	0.3	0.5
Progeny Ag	P5016RXS	5/2	10/10	1.5	5/22	10/1	1.2	5/24	11/8	1.5	1.4
Progeny Ag	P5252RX	5/2	10/10	0.5	5/22	10/1	0.5	5/24	11/8	0.2	0.4
Progeny Ag	P5554RX	5/2	10/10	0.1	5/22	10/1	0.2	5/24	11/8	0.3	0.2



Composed by Dennis B. Reginelli, Executive Director MS Soybean Promotion Board, Mar. 2020,
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