

SEED QUALITY RATINGS 2020 MISSISSIPPI SOYBEAN VARIETY TRIALS

Soybean variety trials were conducted across Mississippi in 2020 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.mafes.msstate.edu/variety-trials/includes/crops/soybeans.asp>

**Summary of Damage Kernel Total (DKT) For Maturity Group IV Enlist in the
2020 Mississippi Soybean Variety Trials**

Brand	Variety	Raymond (Non-Irrigated)			Stoneville clay (Irrigated)			Verona (Non-Irrigated)			Avg DKT %
		Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	Planting Date	Harvest Date	DKT %	
Armor	48-E81	5/11	10/21	14.3	5/1	10/20	6.6	5/7	10/14	13.6	11.5
Delta Grow	48E10	5/11	10/21	9.7	5/1	10/20	10.1	5/7	10/14	10.4	10.1
Delta Grow	48E49/STS	5/11	10/21	14.2	5/1	10/20	1.6	5/7	10/14	8.8	8.2
Delta Grow	47E20/STS	5/11	10/21	10.8	5/1	10/20	1.8	5/7	10/14	3.1	5.2
Delta Grow	47E80/STS	5/11	10/21	9.9	5/1	10/20	0.4	5/7	10/14	2.0	4.1
Delta Grow	48E28XP	5/11	10/21	7.4	5/1	10/20	1.2	5/7	10/14	5.0	4.5
Delta Grow	49E00/STS	5/11	10/21	15.8	5/1	10/20	3.1	5/7	10/14	9.2	9.4
DONMARIO	DM 48E73	5/11	10/21	11.8	5/1	10/20	0.9	5/7	10/14	2.9	5.2
Go Soy	463E20S	5/11	10/21	13.9	5/1	10/20	4.1	5/7	10/14	3.0	7.0
Go Soy	491E19S	5/11	10/21	24.1	5/1	10/20	4.9	5/7	10/14	6.4	11.8
Go Soy	473E20	5/11	10/21	14.0	5/1	10/20	3.1	5/7	10/14	2.9	6.7
Go Soy	481E19	5/11	10/21	10.5	5/1	10/20	7.2	5/7	10/14	7.9	8.5
Local Seed	ZS4694E3S	5/11	10/21	8.4	5/1	10/20	12.9	5/7	10/14	5.6	9.0
MorSoy	MS 4800E	5/11	10/21	12.6	5/1	10/20	3.0	5/7	10/14	6.7	7.4
Pioneer	P49T62E	5/11	10/21	11.6	5/1	10/20	7.5	5/7	10/14	7.6	8.9
Progeny Ag	4241E3	5/11	10/21	11.3	5/1	10/20	5.3	5/7	10/14	5.4	7.3
Progeny Ag	4682E3	5/11	10/21	9.4	5/1	10/20	2.7	5/7	10/14	7.2	6.4
Progeny Ag	4775E3S	5/11	10/21	6.2	5/1	10/20	7.5	5/7	10/14	3.0	5.6
Progeny Ag	4807E3S *	5/11	10/21	7.0	5/1	10/20	0.9	5/7	10/14	6.0	4.6
Progeny Ag	4902E3 *	5/11	10/21	13.0	5/1	10/20	4.3	5/7	10/14	10.1	9.1
Progeny Ag	4908E3S *	5/11	10/21	8.3	5/1	10/20	2.3	5/7	10/14	4.6	5.1
USG	7480XT	5/11	10/21	9.9	5/1	10/20	3.2	5/7	10/14	5.6	6.2
USG	7491ETS	5/11	10/21	11.7	5/1	10/20	5.8	5/7	10/14	13.0	10.2

**Summary of Damage Kernel Total (DKT) For Maturity Group IV Xtend in the
2020 Mississippi Soybean Variety Trials**

Brand	Variety	Raymond (Non-Irrigated)			Stoneville clay (Irrigated)			Verona (Non-Irrigated)			Avg DKT %
		Planting Date	Harvest Date	DKT %	Planting	Harvest	DKT	Planting	Harvest	DKT	
AgriGold	G4995RX	5/11	10/21	6.9	5/1	10/20	1.6	5/7	10/14	3.9	4.1
AgriGold	G4820RX	5/11	10/21	7.2	5/1	10/20	2.2	5/7	10/14	4.1	4.5
AgriGold	G4255RX	5/11	10/21	19.3	5/1	10/20	5.0	5/7	10/14	3.5	9.3
AgriGold	G4620RX	5/11	10/21	10.0	5/1	10/20	0.7	5/7	10/14	2.5	4.4
S	GS47X19	5/11	10/21	10.3	5/1	10/20	2.6	5/7	10/14	3.4	5.4
AGS	GS48X19	5/11	10/21	10.9	5/1	10/20	2.0	5/7	10/14	3.3	5.4
AGS	GS49X21	5/11	10/21	20.2	5/1	10/20	1.6	5/7	10/14	3.1	8.3
Armor	44-D92	5/11	10/21	18.3	5/1	10/20	5.4	5/7	10/14	8.5	10.7
Armor	48-D25	5/11	10/21	10.5	5/1	10/20	1.5	5/7	10/14	3.6	5.2
Armor	49-D14	5/11	10/21	8.4	5/1	10/20	1.8	5/7	10/14	2.3	4.2
Armor	46-D09	5/11	10/21	10.4	5/1	10/20	0.3	5/7	10/14	1.8	4.2
Armor	44-D49	5/11	10/21	18.8	5/1	10/20	2.4	5/7	10/14	2.7	8.0
Asgrow	AG46X6	5/11	10/21	3.5	5/1	10/20	3.9	5/7	10/14	5.8	4.4
Asgrow	AG45X8	5/11	10/21	11.1	5/1	10/20	2.9	5/7	10/14	3.4	5.8
Asgrow	AG48X9	5/11	10/21	15.8	5/1	10/20	1.5	5/7	10/14	1.7	6.3
Asgrow	AG43X0	5/11	10/21	7.0	5/1	10/20	1.6	5/7	10/14	4.4	4.3
Asgrow	AG46X0	5/11	10/21	7.4	5/1	10/20	0.8	5/7	10/14	1.8	3.3
Credenz	CZ 4869X	5/11	10/21	13.5	5/1	10/20	1.4	5/7	10/14	2.0	5.6
Credenz	CZ 4979X	5/11	10/21	6.8	5/1	10/20	1.8	5/7	10/14	0.4	3.0
Credenz	CZ 4730X	5/11	10/21	11.7	5/1	10/20	0.8	5/7	10/14	1.8	4.8
Credenz	CZ 4770X	5/11	10/21	14.1	5/1	10/20	2.3	5/7	10/14	4.8	7.1
Credenz	CZ 4810X	5/11	10/21	8.2	5/1	10/20	0.4	5/7	10/14	4.4	4.3
Credenz	CZ 4941X	5/11	10/21	9.6	5/1	10/20	3.4	5/7	10/14	4.4	5.8
Credenz	CZ 4570X	5/11	10/21	16.4	5/1	10/20	1.3	5/7	10/14	1.7	6.5
Credenz	CZ 4600X	5/11	10/21	22.9	5/1	10/20	1.4	5/7	10/14	1.9	8.7
Credenz	CZ 4280X	5/11	10/21	22.3	5/1	10/20	0.7	5/7	10/14	1.9	8.3
Credenz	CZ 4341X	5/11	10/21	10.6	5/1	10/20	2.0	5/7	10/14	3.4	5.3
Delta Grow	46X65/STS	5/11	10/21	15.9	5/1	10/20	1.0	5/7	10/14	2.6	6.5
Delta Grow	49X15	5/11	10/21	6.5	5/1	10/20	1.6	5/7	10/14	0.7	2.9
Delta Grow	47X95	5/11	10/21	10.0	5/1	10/20	5.0	5/7	10/14	3.5	6.2
Delta Grow	48X05	5/11	10/21	12.1	5/1	10/20	4.9	5/7	10/14	1.4	6.1
Delta Grow	49X25	5/11	10/21	7.3	5/1	10/20	3.0	5/7	10/14	1.3	3.9
Delta Grow	48X45	5/11	10/21	8.8	5/1	10/20	0.9	5/7	10/14	3.8	4.5
Delta Grow	46X05/STS	5/11	10/21	9.7	5/1	10/20	0.8	5/7	10/14	1.6	4.0
DONMARIO	DM 45X61	5/11	10/21	7.4	5/1	10/20	5.7	5/7	10/14	3.5	5.5
DONMARIO	DM 44X31	5/11	10/21	18.5	5/1	10/20	2.1	5/7	10/14	2.0	7.5
DONMARIO	DM 47X39	5/11	10/21	7.3	5/1	10/20	1.8	5/7	10/14	5.3	4.8
DONMARIO	DM 49X13	5/11	10/21	11.8	5/1	10/20	1.7	5/7	10/14	4.7	6.1
Dyna-Gro	S45XS66	5/11	10/21	18.2	5/1	10/20	5.2	5/7	10/14	5.1	9.5
Dyna-Gro	S45XS37	5/11	10/21	17.9	5/1	10/20	5.3	5/7	10/14	1.9	8.4
Dyna-Gro	S46XS60	5/11	10/21	12.2	5/1	10/20	0.5	5/7	10/14	1.7	4.8
Dyna-Gro	S48XT56	5/11	10/21	4.8	5/1	10/20	2.1	5/7	10/14	2.7	3.2
Dyna-Gro	S49XT70	5/11	10/21	15.9	5/1	10/20	1.6	5/7	10/14	2.9	6.8
Dyna-Gro	S47XT20	5/11	10/21	12.9	5/1	10/20	1.5	5/7	10/14	3.3	5.9
Dyna-Gro	S48XT90	5/11	10/21	10.4	5/1	10/20	1.5	5/7	10/14	5.0	5.6
Dyna-Gro	S49XT21	5/11	10/21	7.5	5/1	10/20	3.1	5/7	10/14	2.9	4.5

Great Heart	GT-4833XS	5/11	10/21	8.6	5/1	10/20	2.1	5/7	10/14	1.7	4.1
Great Heart	GT-4979X	5/11	10/21	13.3	5/1	10/20	2.4	5/7	10/14	3.6	6.4
Great Heart	GT-4828X	5/11	10/21	5.2	5/1	10/20	1.0	5/7	10/14	2.6	2.9
Great Heart	GT-4677XS	5/11	10/21	9.2	5/1	10/20	0.7	5/7	10/14	0.7	3.5
LG Seeds	LGS4899RX	5/11	10/21	15.0	5/1	10/20	1.4	5/7	10/14	1.2	5.9
LG Seeds	LGS4464RX	5/11	10/21	11.8	5/1	10/20	6.4	5/7	10/14	4.5	7.6
LG Seeds	LGS4632RX	5/11	10/21	10.8	5/1	10/20	1.6	5/7	10/14	2.2	4.9
Local Seed	LS4565X	5/11	10/21	12.3	5/1	10/20	2.8	5/7	10/14	4.9	6.7
Local Seed	LS4583X	5/11	10/21	4.7	5/1	10/20	0.9	5/7	10/14	2.0	2.5
Local Seed	LS4407X	5/11	10/21	9.1	5/1	10/20	0.6	5/7	10/14	4.0	4.6
Local Seed	LS4299XS	5/11	10/21	16.1	5/1	10/20	4.2	5/7	10/14	1.8	7.4
Local Seed	LS3976X	5/11	10/21	44.0	5/1	10/20	32.8	5/7	10/14	20.9	32.6
Local Seed	LS4795XS	5/11	10/21	6.3	5/1	10/20	0.9	5/7	10/14	3.2	3.5
Local Seed	LS4999X	5/11	10/21	7.9	5/1	10/20	1.8	5/7	10/14	3.8	4.5
Local Seed	LS4607XS	5/11	10/21	11.8	5/1	10/20	4.0	5/7	10/14	2.5	6.1
Local Seed	LS4806XS	5/11	10/21	6.8	5/1	10/20	0.5	5/7	10/14	2.9	3.4
Mission Seed	A4448X	5/11	10/21	19.0	5/1	10/20	2.6	5/7	10/14	1.4	7.7
Mission Seed	A4828X	5/11	10/21	5.8	5/1	10/20	4.5	5/7	10/14	3.5	4.6
Mission Seed	A4950X	5/11	10/21	7.9	5/1	10/20	3.2	5/7	10/14	1.4	4.2
Mission Seed	A4618X	5/11	10/21	8.5	5/1	10/20	4.7	5/7	10/14	4.4	5.9
	MS 4616										
MorSoy	RXT/STS	5/11	10/21	18.4	5/1	10/20	3.3	5/7	10/14	6.9	9.5
MorSoy	MS 4846 RXT	5/11	10/21	11.8	5/1	10/20	2.1	5/7	10/14	2.1	5.3
NK Brand	S44-C7X	5/11	10/21	15.3	5/1	10/20	2.8	5/7	10/14	5.5	7.9
NK Brand	S49-F5X	5/11	10/21	9.1	5/1	10/20	1.0	5/7	10/14	2.2	4.1
NK Brand	S47-Y9X	5/11	10/21	5.3	5/1	10/20	0.8	5/7	10/14	5.6	3.9
Pioneer	P42A96X	5/11	10/21	13.3	5/1	10/20	12.9	5/7	10/14	8.7	11.6
Pioneer	P48A60X	5/11	10/21	15.8	5/1	10/20	2.2	5/7	10/14	5.9	8.0
Pioneer	P44A72BX	5/11	10/21	11.8	5/1	10/20	2.7	5/7	10/14	5.2	6.6
Pioneer	P46A86X	5/11	10/21	5.8	5/1	10/20	2.2	5/7	10/14	3.5	3.8
Progeny Ag	P 4620RXS	5/11	10/21	6.7	5/1	10/20	6.7	5/7	10/14	6.4	6.6
Progeny Ag	P 4816RX	5/11	10/21	7.1	5/1	10/20	1.3	5/7	10/14	4.4	4.3
Progeny Ag	P 4444RXS	5/11	10/21	10.3	5/1	10/20	6.3	5/7	10/14	3.0	6.5
Progeny Ag	P 4851RX	5/11	10/21	17.0	5/1	10/20	3.0	5/7	10/14	5.6	8.5
Progeny Ag	P 4265RXS	5/11	10/21	14.8	5/1	10/20	9.4	5/7	10/14	4.8	9.7
Progeny Ag	P 4821RX	5/11	10/21	14.8	5/1	10/20	9.3	5/7	10/14	5.8	10.0
Progeny Ag	4700RXS	5/11	10/21	8.7	5/1	10/20	1.9	5/7	10/14	2.3	4.3
Progeny Ag	4970RX	5/11	10/21	9.3	5/1	10/20	1.6	5/7	10/14	5.3	5.4
Progeny Ag	P 4505RXS	5/11	10/21	22.3	5/1	10/20	1.6	5/7	10/14	4.1	9.3
Taylor Seed	T4880XS	5/11	10/21	10.0	5/1	10/20	0.8	5/7	10/14	2.3	4.4
Taylor Seed	T4990XS	5/11	10/21	6.9	5/1	10/20	2.1	5/7	10/14	1.5	3.5
USG	7496XTS	5/11	10/21	11.1	5/1	10/20	1.7	5/7	10/14	4.1	5.6
USG	7447XTS	5/11	10/21	12.8	5/1	10/20	1.0	5/7	10/14	3.0	5.6
USG	7489XT	5/11	10/21	12.2	5/1	10/20	2.3	5/7	10/14	2.0	5.5
USG	7461XTS	5/11	10/21	15.6	5/1	10/20	1.2	5/7	10/14	4.5	7.1

**Summary of Damage Kernel Total (DKT) for Maturity Group V Enlist and Xtend in the
2020 Mississippi Soybean Variety Trials**

Brand	Variety	Raymond (Non-Irrigated)			Stoneville clay (Irrigated)			Verona (Non-Irrigated)			Avg DKT %
		Planting Date	Harvest Date	DKT %	Planting	Harvest	DKT	Planting	Harvest	DKT	
Armor	51-E53	5/11	10/21	6.2	5/1	10/20	3.1	5/7	10/14	9.4	6.2
Asgrow	AG52X9	5/11	10/21	4.2	5/1	10/20	1.1	5/7	10/14	1.8	2.4
Asgrow	AG53X9	5/11	10/21	9.5	5/1	10/20	1.6	5/7	10/14	2.8	4.6
Asgrow	AG53X0	5/11	10/21	4.3	5/1	10/20	2.8	5/7	10/14	3.0	3.4
Asgrow	AG55X0	5/11	10/21	5.4	5/1	10/20	0.6	5/7	10/14	1.4	2.5
Credenz	CZ 5299X	5/11	10/21	5.5	5/1	10/20	0.7	5/7	10/14	2.8	3.0
Credenz	CZ 5000X	5/11	10/21	16.4	5/1	10/20	1.7	5/7	10/14	4.3	7.5
Credenz	CZ 5420X	5/11	10/21	11.1	5/1	10/20	1.7	5/7	10/14	3.2	5.3
Credenz	CZ 5700	5/11	10/21	2.8	5/1	10/20	0.8	5/7	10/14	0.8	1.5
Credenz	CZ 5251X	5/11	10/21	10.1	5/1	10/20	0.9	5/7	10/14	2.0	4.3
Delta Grow	52E15/STS	5/11	10/21	5.2	5/1	10/20	3.2	5/7	10/14	9.4	5.9
Delta Grow	51E60	5/11	10/21	8.1	5/1	10/20	3.3	5/7	10/14	15.1	8.8
Delta Grow	52X05/STS	5/11	10/21	3.4	5/1	10/20	1.3	5/7	10/14	1.5	2.1
Delta Grow	54X25	5/11	10/21	6.0	5/1	10/20	0.5	5/7	10/14	1.2	2.6
DONMARIO	DM 51X61	5/11	10/21	6.5	5/1	10/20	2.6	5/7	10/14	1.2	3.4
Dyna-Gro	S56XT99	5/11	10/21	3.7	5/1	10/20	1.0	5/7	10/14	1.6	2.1
Dyna-Gro	S52XS39	5/11	10/21	7.4	5/1	10/20	0.8	5/7	10/14	1.8	3.3
Dyna-Gro	GS5261X	5/11	10/21	6.5	5/1	10/20	3.5	5/7	10/14	3.3	4.4
Go Soy	512E21	5/11	10/21	9.9	5/1	10/20	2.5	5/7	10/14	15.0	9.1
Great Heart	GT-5214X	5/11	10/21	2.7	5/1	10/20	0.4	5/7	10/14	1.6	1.6
Great Heart	GT-5417X	5/11	10/21	4.0	5/1	10/20	1.0	5/7	10/14	5.0	3.3
Local Seed	ZS5098E3	5/11	10/21	7.3	5/1	10/20	5.5	5/7	10/14	6.6	6.5
Local Seed	LS5087X	5/11	10/21	8.8	5/1	10/20	3.4	5/7	10/14	3.6	5.3
Local Seed	LS5386X	5/11	10/21	9.0	5/1	10/20	0.7	5/7	10/14	1.7	3.8
Local Seed	LS5009XS	5/11	10/21	8.4	5/1	10/20	3.0	5/7	10/14	2.8	4.7
MorSoy	MS 5110E	5/11	10/21	17.6	5/1	10/20	2.7	5/7	10/14	12.5	10.9
MorSoy	MS 5398 RXT	5/11	10/21	4.6	5/1	10/20	0.3	5/7	10/14	1.8	2.2
NK Brand	S51-R3XS	5/11	10/21	11.8	5/1	10/20	3.4	5/7	10/14	10.4	8.5
NK Brand	S53-F7X	5/11	10/21	10.4	5/1	10/20	3.5	5/7	10/14	2.7	5.5
Pioneer	P55A49X	5/11	10/21	9.4	5/1	10/20	0.3	5/7	10/14	1.9	3.9
Pioneer	P53A67X	5/11	10/21	4.8	5/1	10/20	0.1	5/7	10/14	1.2	2.0
Progeny Ag	5211E3	5/11	10/21	9.9	5/1	10/20	3.5	5/7	10/14	13.0	8.8
Progeny Ag	P 5016RXS	5/11	10/21	7.2	5/1	10/20	2.1	5/7	10/14	4.0	4.4
Progeny Ag	P 5252RX	5/11	10/21	3.6	5/1	10/20	1.0	5/7	10/14	1.3	2.0
Progeny Ag	P 5554RX	5/11	10/21	2.8	5/1	10/20	0.9	5/7	10/14	0.7	1.5
Progeny Ag	P 5170RX	5/11	10/21	3.7	5/1	10/20	1.6	5/7	10/14	1.3	2.2



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