

**2021 MSU Extension On-Farm Demonstration Program:  
Soybean Seed Quality Results —  
Nonirrigated Maturity Group IV  
(Mixed/Light) RR2X and XF Varieties**

**Damaged Kernels Total (DKT) Score by Individual County Location.**

Brand	Variety	Benton <sup>1</sup>	Itawamba <sup>2</sup>	Madison <sup>3</sup>	Oktibbeha <sup>4</sup>	Rankin <sup>5</sup>	Overall DKT <sup>6</sup> avg.
Asgrow	AG46X6	3.4	0.6	1.2	1.9	8.6	3.1
Asgrow	AG47XF0	4.8	0.8	1.7	1.8	—	4.6
Asgrow	AG48XF0	13.3	0.4	2.7	2.9	18.0	7.5
Delta Grow	DG48X45 RR2X	4.6	0.7	1.3	1.7	9.5	3.6
Dyna-Gro	S46XS60	4.0	0.6	1.0	2.2	18.1	5.2
Dyna-Gro	S48XT90	4.5	0.8	0.8	2.2	16.6	5.0
Great Heart Seed	GT-4677XS	6.2	0.8	1.6	2.3	15.4	5.3
Local Seed	LS4795XS	3.3	0.6	0.7	1.0	11.3	3.4
NK	S47-Y95	4.0	0.5	1.4	2.4	16.6	5.0
NK	S49-F5X	4.5	1.2	1.9	1.8	16.8	5.2
Pioneer	P46A86X	7.3	1.4	1.9	2.7	10.3	4.7
Pioneer	P48A60X	—	1.1	1.6	2.0	—	5.1
Progeny	P 4806 XFS	11.3	1.2	1.3	2.8	16.8	6.7
Progeny	P 4970 RX	6.2	0.1	1.5	2.4	15.6	5.2
USG	7489XT	7.9	0.8	0.9	1.7	—	5.2

<sup>1</sup>Planted April 21, 2021; Harvested October 18, 2021.

<sup>2</sup>Planted June 24, 2021; Harvested December 2, 2021.

<sup>3</sup>Planted April 28, 2021; Harvested September 27, 2021.

<sup>4</sup>Planted May 26, 2021; Harvested October 19, 2021.

<sup>5</sup>Planted April 28, 2021; Harvested October 11, 2021.

<sup>6</sup>DKT scores were analyzed in SAS 9.4, average scores were found to be significantly different across the varieties that were evaluated ( $\alpha = 0.0511$ ). DKT scores were determined by Mid-South Grain Inspection Services, which is an official USDA designated grain inspection agency.



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