

2021 MSU Extension On-Farm Demonstration Program: Soybean Seed Quality Results — Nonirrigated Maturity Group V RR2X and XF Varieties

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

Brand	Variety	Calhoun ¹	Clay ²	Hinds ³	Lowndes ⁴	Monroe ⁵	Monroe ⁶	Oktibbeha ⁷	Pontotoc ⁸	Verona ⁹	Overall DKT avg. ¹⁰
Asgrow	AG53X0	2.5	4.2	1.1	2.2	5.9	7.0	0.6	0.5	2.3	2.9
Asgrow	AG55XF0	1.0	0.8	0.3	0.3	1.8	1.2	0.3	0.5	1.1	0.8
Dyna-Gro	S52XT91	1.9	1.1	0.6	1.7	4.7	3.7	0.9	1.5	1.5	2.0
Dyna-Gro	S56XT99	0.2	0.6	0.8	0.3	4.6	1.1	0.5	0.8	0.8	1.1
Great Heart Seed	GT-5417X	0.7	2.0	0.3	1.9	3.1	5.5	1.4	0.4	2.5	2.0
Local Seed	LS5009XS	2.9	0.8	0.5	2.9	5.1	2.3	0.9	1.2	2.5	2.1
NK	S53-F7X	2.1	2.8	0.7	2.8	3.3	8.5	1.3	0.4	0.9	2.5
Pioneer	P53A67X	2.0	0.6	0.5	1.7	5.4	5.7	1.2	1.2	1.2	2.2
Pioneer	P55A49X	1.0	0.7	0.1	0.4	1.5	1.3	0.9	0.2	0.3	0.7
Progeny	P 5424 XF	0.7	1.2	0.5	0.4	2.5	1.5	1.0	0.5	0.4	1.0
Progeny	P 5554 RX	1.7	1.7	0.3	0.3	2.7	0.9	1.1	0.6	0.5	1.0

¹Planted June 6, 2021; Harvested November 30, 2021.

²Planted May 17, 2021; Harvested October 13, 2021.

³Planted May 24, 2021; Harvested October 7, 2021.

⁴Planted May 27, 2021; Harvested October 26, 2021.

⁵Planted June 1, 2021; Harvested December 2, 2021.

⁶Planted May 22, 2021; Harvested October 19, 2021.

⁷Planted May 26, 2021; Harvested October 19, 2021.

⁸Planted May 21, 2021; Harvested October 19, 2021.

⁹Planted May 20, 2021; Harvested October 14, 2021.

¹⁰DKT scores were analyzed in SAS 9.4, average scores were found to be significantly different across the varieties that were evaluated ($\alpha < 0.0001$). DKT scores were determined by Mid-South Grain Inspection Services, which is an official USDA designated grain inspection agency.



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By **Trent Irby**, PhD, Associate Extension Professor, **Alanna B. Scholtes**, Extension Associate III, and **Garrett Oswalt**, Extension Associate I, Department of Plant and Soil Sciences.

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