

2021 MSU Extension On-Farm Demonstration Program:
Soybean Seed Quality Results —
Irrigated Maturity Group IV
(Clay Soils) RR2X and XF Varieties

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

Brand	Variety	Humphreys ¹	Sharkey ²	Sharkey ³	Sunflower ⁴	Washington ⁵	Overall avg. ⁶
Asgrow	AG45FX0	0.5	—	1.4	0.8	1.0	0.9
Asgrow	AG46X6	0.9	1.2	1.3	0.9	1.1	1.1
Asgrow	AG 47XF0	0.8	0.5	1.8	1.0	2.4	1.3
Delta Grow	DG47X95 RR2X/STS	0.4	0.5	1.8	0.6	0.4	0.7
Dyna-Gro	S48XT90	0.3	0.2	1.6	0.9	0.4	0.7
Dyna-Gro	S49XT70	0.7	0.5	1.3	0.6	0.6	0.7
Great Heart Seed	GT-4681XFS	0.8	0.6	2.3	—	1.5	1.3
Local Seed	LS4806XS	0.4	0.8	1.4	0.4	0.7	0.7
NK	S49-F5X	0.4	1.0	1.7	—	1.1	1.0
Pioneer	P46A86X	0.9	1.5	0.8	0.5	1.4	1.0
Pioneer	P47A64X	0.5	0.5	2.2	—	0.7	0.9
Progeny	P 4604 XFS	0.7	1.2	1.0	0.5	0.7	0.8
Progeny	P 4851 RX	0.5	1.0	1.2	0.6	0.3	0.7
USG	7489XT	0.5	0.5	1.5	0.8	0.9	0.8

¹Planted May 24, 2021; Harvested October 14, 2021.

²Planted May 18, 2021; Harvested October 15, 2021.

³Planted May 18, 2021; Harvested October 8, 2021.

⁴Planted April 23, 2021; Harvested September 23, 2021.

⁵Planted May 21, 2021; Harvested October 12, 2021.

⁶DKT scores were analyzed in SAS 9.4. Average scores were found to not be significantly different across the varieties that were evaluated ($\alpha = 0.2069$). DKT scores were determined by Mid-South Grain Inspection Services, which is an official USDA-designated grain agency.



This program is partially funded by the Mississippi Soybean Promotion Board.

Publication 3805-3 (POD-8-22)

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.

The information given here is for educational purposes only. References to commercial products, trade names, or suppliers are made with the understanding that no endorsement is implied and that no discrimination against other products or suppliers is intended.

Copyright 2022 by Mississippi State University. All rights reserved. This publication may be copied and distributed without alteration for nonprofit educational purposes provided that credit is given to the Mississippi State University Extension Service.

Produced by Agricultural Communications.

Mississippi State University is an equal opportunity institution. Discrimination in university employment, programs, or activities based on race, color, ethnicity, sex, pregnancy, religion, national origin, disability, age, sexual orientation, gender identity, genetic information, status as a U.S. veteran, or any other status protected by applicable law is prohibited.

Extension Service of Mississippi State University, cooperating with U.S. Department of Agriculture. Published in furtherance of Acts of Congress, May 8 and June 30, 1914. GARY B. JACKSON, Director

