

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

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

Brand	Variety	Bolivar ¹	Carroll ²	Coahoma ³	Leflore ⁴	Overall DKT ⁵ avg.
Asgrow	AG46X6	1.2	5.4	1.9	1.5	2.5
Asgrow	AG47XF0	0.5	7.4	9.2	1.9	4.8
Asgrow	AG48XF0	0.5	5.8	2.3	1.0	2.4
Delta Grow	DG48X45 RR2X	0.7	8.3	4.1	1.7	3.7
Dyna-Gro	S46XS60	1.1	4.7	1.9	1.5	2.3
Dyna-Gro	S48XT90	0.4	7.7	4.2	0.7	3.3
Great Heart Seed	GT-4677XS	0.4	7.1	4.0	0.5	3.0
Local Seed	LS4795XS	0.4	4.4	1.9	0.7	1.9
NK	S47-Y95	0.9	8.6	3.0	0.3	3.2
NK	S49-F5X	0.4	5.1	6.1	0.9	3.1
Pioneer	P46A86X	0.6	5.8	6.4	0.7	3.4
Pioneer	P48A60X	0.7	4.5	9.8	0.9	4.0
Progeny	P 4806 XFS	0.9	7.2	7.3	1.7	4.3
Progeny	P 4970 RX	0.3	9.6	5.8	2.4	4.5
USG	7489XT	0.6	3.9	5.8	1.8	3.0

¹Planted May 24, 2021; Harvested October 20, 2021.

²Planted April 29, 2021; Harvested October 14, 2021.

³Planted May 7, 2021; Harvested October 20, 2021.

⁴Planted April 29, 2021; Harvested October 1, 2021.

⁵DKT scores were analyzed in SAS 9.4, average scores were found to not be significantly different across the varieties that were evaluated ($\alpha = 0.3341$). DKT scores were determined by Mid-South Grain Inspection Services, which is an official USDA designated grain inspection agency.



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

Publication 3805-5 (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