



## Soybean Grain Quality Results for MG IV (Clay Soil) RR2X Varieties from the 2019 On-Farm Variety Demonstration

Brand	Variety	Damaged Kernels Total (DKT) Score by Individual County Location							Overall DKT <sup>3</sup> AVG
		Clay	Humphreys	Leflore	Leflore	Noxubee	Tunica	Washington	
		05-20-2019 <sup>1</sup> 10-03-2019 <sup>2</sup>	06-04-2019 10-10-2019	05-01-2019 09-16-2019	06-13-2019 11-05-2019	05-08-2019 09-23-2019	06-14-2019 11-14-2019	05-31-2019 10-03-2019	
AGS	AGS GS49X19	1.1	0.5	0.3	2.5	–	0.6	0.3	0.8
Armor	49-D66	1.1	0.5	0.2	2.7	0.2	0.7	0.1	0.8
Armor	X49-D67	0.7	–	0.2	3.1	0.4	0.3	0.1	0.8
Asgrow	AG45X8	0.7	1.4	1.0	4.8	0.7	0.6	0.2	1.3
Asgrow	AG46X6	0.6	1.2	0.7	–	0.3	1.4	0.2	1.1
Asgrow	AG48X9	0.3	0.9	0.3	3.5	0.4	0.5	0.2	0.9
Credenz	CZ 4979X	0.2	0.3	0.4	3.7	0.5	0.6	0.1	0.8
Delta Grow	DG 48X45 RR2X	0.3	1.3	0.2	2.9	0.3	0.7	0.2	0.8
Dyna-Gro	S45XS66	0.7	0.7	0.4	1.8	1.3	1.2	0.2	0.9
Local Seed	LSX4798X	0.9	1.1	0.6	2.5	0.4	1.1	0.2	1.0
NK	S49-F5X	0.2	–	0.1	3.0	0.7	0.6	0.1	0.8
Progeny	P 4821 RX	1.4	0.1	0.6	–	0.4	0.8	0.1	0.9
Progeny	P 4851 RX	0.8	0.6	0.1	2.5	0.5	0.9	0.3	0.8
Terral	REV 4927X	0.8	0.5	0.3	2.6	0.2	0.9	0.1	0.8
Terral	REV 4940X	0.5	0.6	0.3	2.8	1.1	0.9	0.6	1.0

<sup>1</sup>Planting date

<sup>2</sup>Harvest date

<sup>3</sup>DKT scores were analyzed in SAS 9.4. Average scores were found to be not significantly different across the varieties that were evaluated ( $\alpha = 0.3916$ ). DKT scores were determined by Mid-South Grain Inspection Services, which is an official USDA-designated grain inspector agency.

---

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.

**Publication 3477** (POD-06-20)

By **Trent Irby**, PhD, Associate Extension Professor, Plant and Soil Sciences; **Alanna Scholtes**, Extension Associate, Plant and Soil Sciences; **Garrett Oswalt**, Extension Associate, Plant and Soil Sciences; and **Tom Allen**, PhD, Extension/Research Professor, Delta Research and Extension Center.



*Copyright 2020 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, genetic information, status as a U.S. veteran, or any other status protected by applicable law is prohibited. Questions about equal opportunity programs or compliance should be directed to the Office of Compliance and Integrity, 56 Morgan Avenue, P.O. 6044, Mississippi State, MS 39762, (662) 325-5839.

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