2023 South Dakota Soybean Variety Trial Results Renner

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Location:	4.5 miles east of Renner in Minnehaha County, SD 43.645816°, -96.625776°
Soil Type:	Moody-Nora complex, 2-6% slopes
Fertilizer:	none
Previous crop:	corn
Tillage:	no-till
Row spacing:	30 inches
Seeding Rate:	150,000/acre
Herbicide:	Pre: 24 oz/acre Roundup + 12 oz/acre 2,4-D + 8 oz/acre sulfentrazone + 5 oz/acre metribuzin Post: 1 qt/acre Buccaneer Plus + 1 pt/acre Ultra-Blazer + 12 oz/acre Volunteer
Insecticide:	none
Date seeded:	5/22/2023
Date harvested:	10/10/2023

Table 1. Glyphosate-resistant soybean performance results (average of 4 replications - **Maturity Groups I & II**) at Renner, SD.

Variety Information		Agronomic Performance			
Brand	**Variety**	**Maturity Rating**	**Yield (bu/ac@13%)**	**Moisture (%)**	**Lodging Score (1-5)***
Check	AG15XF2	1.5	60.0	10.8	1.0
Genesis	G2780E	2.7	59.9	11.4	1.0
LG Seeds	LGS2364XF	2.3	57.3	10.5	1.0
Genesis	G2480E	2.4	57.0	10.6	1.0
Dairyland Seed	DSR-2444E	2.4	55.8	10.9	1.0
Farmer Check 1	18E245N	1.8	55.3	10.8	1.0
Farmer Check 2	G1970E	1.9	53.8	10.8	1.0
Dairyland Seed	DSR-2562E	2.5	53.7	11.1	1.0
Dairyland Seed	DSR-2691E	2.6	53.1	12.9	1.0
Dairyland Seed	DSR-2188E	2.1	51.7	10.9	1.0
Miller Hybrids	2330	2.3	51.7	10.8	1.0
Dairyland Seed	DSR-2310E	2.3	50.9	10.8	1.0
LG Seeds	LGS1832E3	1.8	50.8	10.7	1.0
LG Seeds	LGS2505E3	2.5	49.1	12.2	1.0
LG Seeds	LGS1911XF	1.9	46.3	10.6	1.0
Genesis	G2180E	2.1	44.3	8.1	1.0
LG Seeds	LGS2001E3	2.0	43.1	10.9	1.0
	Trial Average		52.3	10.9	1.0
	LSD (0.05)†		2.9	1.9	-
	C.V.‡		3.9	-	-

* Lodging Score (1 = no lodging to 5 = flat on the ground)
† Yield or moisture value required (≥LSD) to determine if varieties are significantly different from one another.
‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.