South Dakota State University
College of Agriculture, Food and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2022 South Dakota Soybean Variety Trial Results Miller

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Location:	2 miles north and 6 miles east of St. Lawrence in Hand County, SD 44.547329°, -98.816681°
Cooperator:	Parmely Farms
Soil Type:	Houdek-Prosper loams, 0-2% slopes
Fertilizer:	none
Previous crop:	corn
Tillage:	no-till
Row spacing:	30 inches
Seeding Rate:	150,000/acre
Herbicide:	
Pre:	24 oz Ledger + 5 oz Shutdown + 16 oz LV6 + 32 oz Roundup + 10 oz Zaar
Post:	32 oz Roundup Powermax + 5 oz Volunteer + 16 oz Ultra Blazer + 16 oz NIS
Insecticide:	none
Date seeded:	6/2/2022
Date harvested:	9/29/2022

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Table 1. Glyphosate-resistant soybean performance results (average of 4 replications - **Maturity Groups 1 & 2** at Miller, SD.

Variety Information		Agronomic Performance			
Brand	**Variety**	**Maturity Rating**	**Yield (bu/ ac@13%)**	**Moisture (%)**	**Lodging Score (1-5)***
Genesis	G1560E	1.5	**55.2**	8.9	1.0
LG Seeds	LGS1585XF	1.5	**54.3**	8.7	1.0
Farmer Check 2	2218E	1.8	**53.9**	8.9	1.0
LG Seeds	LGS1660E3	1.6	**53.5**	8.9	1.0
LG Seeds	LGS1385XF	1.3	**53.0**	9.1	1.0
Dairyland Seeds	DSR-2188E	2.1	**52.8**	9.4	1.0
Dairyland Seeds	DSR-1820E	1.8	52.1	10.6	1.0
LG Seeds	LGS1911XF	1.9	52.1	9.6	1.0
LG Seeds	LGS1939E3	1.9	50.9	9.1	1.0
Genesis	G1970E	1.9	50.8	10.2	1.0
Check	AG15XF2	1.5	49.9	9.6	1.0
LG Seeds	LGS1701E3	1.7	48.7	9.9	1.0
Farmer Check 1	XF16621	1.6	48.6	7.7	1.0
Dairyland Seeds	DSR-1919E	1.9	48.1	10.7	1.0
		Trial Average	51.7	9.3	1.0
		LSD (0.05)†	2.9	0.9	-
		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.