



2020 South Dakota Soybean Variety Trial Results Miller

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Location:	3 miles east and 7 miles south of Miller (57362) in Hand County, SD (GPS: 44.413315°, -98.928987°)
Cooperator:	Paul Fulton
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: 44 oz/acre RT3 (glyphosate)+ 8 oz/acre Authority Assist (sulfentrazone + imazethapyr) + 6 oz/acre 2,4-D Post: 24 oz/acre Ultra Blazer (acifluorfen) + 4 oz/acre Vaquero (clethodim) + 32 oz/acre Warrant (acetochlor)
Insecticide:	none
Date seeded:	6/2/2020
Date harvested:	10/14/2020

Table 1. Glyphosate-resistan soybean variety performance results (average of 4 replications - **Maturity Group 1** at Miller, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Peterson Farms Seed	21X16N	1.6	47.1	8.2	1.0
LG Seeds	LGS1776RX	1.7	45.4	8.0	1.0
P3 Genetics	2117E	1.7	45.4	8.1	1.0
Renk Seed	RS181NX	1.8	44.8	8.4	1.0
LG Seeds	LGS1550RX	1.5	44.7	8.4	1.0
Check	14X0	1.4	44.6	7.8	1.0
Peterson Farms Seed	21X14N	1.4	44.5	8.1	1.0
P3 Genetics	2013E	1.3	44.5	8.1	1.0
LG Seeds	C1838RX	1.8	43.5	7.6	1.0
LG Seeds	LGS1575RX	1.5	42.5	8.3	1.0
LG Seeds	LGS1221RX	1.2	42.3	8.0	1.0
Farmer Check 2	HB16C2IN	1.6	42.3	7.7	1.0
Farmer Check 1	C-156N	1.5	42.2	8.4	1.0
Dairyland Seed	DSR-1673E	1.6	40.8	8.5	1.0
LG Seeds	LGS1635RX	1.6	40.4	8.4	1.0
Trial Average			43.6	8.1	1.0
LSD (0.05)†			4.5	0.9	-
C.V.‡			7.3	7.7	-

*Lodging Score (1 = no lodging to 5 = flat on the ground).

† Yield or moisture value required (\geq 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.

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Genesis	G2550E	2.5	51.6	8.7	1.0
LG Seeds	LGS2007RX	2.0	50.4	8.3	1.0
Dairyland Seed	DSR-2030E	2.0	48.7	8.6	1.0
Miller Hybrids	2575GT	2.5	47.5	8.5	1.0
Dairyland Seed	DSR-2112E	2.1	47.3	8.6	1.0
Genesis	G2350E	2.3	44.9	9.4	1.0
Farmer Check 2	HB19C2IN	1.9	44.7	8.5	1.0
LG Seeds	LGS2126RX	2.1	43.8	8.5	1.0
Check	14X0	1.4	43.5	8.3	1.0
Renk Seed	RS248NX	2.4	42.1	9.2	1.0
Farmer Check 1	18C240	1.8	40.2	8.4	1.0
Genesis	G2150E	2.1	39.9	8.5	1.0
Trial Average			45.4	8.6	1.0
LSD (0.05)†			3.4	0.4	-
C.V.‡			5.3	2.9	-

*Lodging Score (1 = no lodging to 5 = flat on the ground).

† Yield or moisture value required (\geq 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.