



2020 South Dakota Soybean Variety Trial Results Reliance

Jonathan Kleinjan | SDSU Extension Crop Production Associate

Kevin Kirby | Agricultural Research Manager

Shawn Hawks | Agricultural Research Manager

Location:	1 mile north and 2 1/2 miles east of Reliance (57569) in Lyman county, SD (GPS: 43.891380°, -99.555983°)
Cooperator:	Schindler Farms
Soil Type:	McClure silty clay loam, 3-6% slopes
Fertilizer:	none
Previous crop:	corn
Tillage:	no-till
Row spacing:	30 inches
Seeding Rate:	150,000/acre
Herbicide:	Pre: 4 oz/acre Sulfentrazone + 4 oz/acre Metribuzin Post: 1.5 pt/acre Metolachlor + 8 oz/acre Clethodim 2EC + 2 oz/acre Imazethapyr
Insecticide:	None
Date seeded:	5/11/2020
Date harvested:	10/12/2020

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
LG Seeds	LGS2007RX	2.0	51.4	7.8	1.0
LG Seeds	LGS2417RX	2.4	51.3	7.7	1.0
LG Seeds	C1838RX	1.8	51.1	8.4	1.0
Miller Hybrids	2075GT	2.0	49.5	8.0	1.0
Renk Seed	RS248NX	2.4	48.6	7.9	1.0
LG Seeds	LGS2126RX	2.1	48.6	7.4	1.0
Check	14X0	1.4	47.4	9.0	1.0
Farmer Check	24X9	2.4	47.2	8.1	1.0
Miller Hybrids	2575GT	2.5	47.0	8.1	1.0
LG Seeds	LGS2444RX	2.4	47.0	6.5	1.0
Genesis	G2550E	2.5	42.6	8.0	1.0
LG Seeds	LGS1776RX	1.7	42.4	8.9	1.0
Trial Average			47.7	8.0	1.0
LSD (0.05)†			3.6	0.4	-
C.V.‡			5.2	3.8	-

*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.