



# 2019 South Dakota Soybean Variety Trial Results South Shore

Jonathan Kleinjan | SDSU Extension Crop Production Associate

Kevin Kirby | Agricultural Research Manager

Shawn Hawks | Agricultural Research Manager

<b>Location:</b>	8.5 miles west of South Shore (57263) in Codington County, SD (GPS: 45.106807°, -97.100099°)
<b>Cooperator:</b>	SDSU Northeast Research Farm - Allen Heuer, manager
<b>Soil Type:</b>	Kranzburg-Brookings silty clay loams, 0-2% slope
<b>Fertilizer:</b>	None
<b>Previous crop:</b>	Spring Wheat
<b>Tillage:</b>	Conventional
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	150,000/acre
<b>Herbicide:</b>	Pre: 1 pt Dual II Magnum (s-metolachlor) Post: 32 oz Roundup (glyphosate)
<b>Insecticide:</b>	None
<b>Date seeded:</b>	5/31/2019
<b>Date harvested:</b>	10/29/2019

Table 1. Glyphosate-resistant soybean variety performance results (average of 4 replications - **Maturity Groups 0 & 1** at South Shore, SD).

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
LG Seeds	LGS1575RX	1.5	<b>68.7</b>	13.1	2.3
Federal Hybrids	F1109 LLGT	1.1	<b>67.6</b>	13.6	2.0
Renk Seed	RS149NX	1.4	<b>67.2</b>	13.1	2.5
Renk Seed	Genesis G1340E	1.3	<b>66.8</b>	13.1	2.8
Federal Hybrids	F1690N R2X	1.6	65.2	13.1	1.8
LG Seeds	LGS1776RX	1.7	64.9	13.0	2.0
LG Seeds	C1000RX	1.0	64.8	13.1	2.8
Federal Hybrids	F1180N R2X	1.1	64.7	13.1	2.8
Federal Hybrids	F1500N R2X	1.5	61.1	13.2	2.5
Federal Hybrids	F0990N R2X	0.9	61.0	13.1	2.5
P3 Genetics	1910E	1.0	60.4	12.9	2.5
Federal Hybrids	F1680N R2X	1.6	59.7	13.2	2.5
Channel	1020R2X	1.0	59.5	13.1	2.8
LG Seeds	LGS1118RX	1.1	59.2	12.9	2.3
Channel	1219R2X	1.2	58.4	12.7	2.3
Check	CHECK	1.4	57.8	13.1	2.8
LG Seeds	LGS0735RX	0.7	56.5	13.2	2.3
P3 Genetics	1907E	0.7	56.2	13.1	2.0
SD AES	M06R-614008	0.7	41.1	13.0	1.3
<b>Trial Average</b>			60.8	13.1	2.3
<b>LSD (0.05)†</b>			2.4	0.2	0.7
<b>C.V.‡</b>			2.8	1.2	-

\* Lodging percentage - stalks broken below the ear as a percentage of the final stand.

† 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.