



2019 South Dakota Soybean Variety Trial Results South Shore

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Location:	8.5 miles west of South Shore (57263) in Codington County, SD (GPS: 45.106807°, -97.100099°)
Cooperator:	SDSU Northeast Research Farm - Allen Heuer, manager
Soil Type:	Kranzburg-Brookings silty clay loams, 0-2% slope
Fertilizer:	None
Previous crop:	Spring Wheat
Tillage:	Conventional
Row spacing:	30 inches
Seeding Rate:	150,000/acre
Herbicide:	Pre: 1 pt Dual II Magnum (s-metolachlor) Post: 32 oz Roundup (glyphosate)
Insecticide:	None
Date seeded:	5/31/2019
Date harvested:	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	68.7	13.1	2.3
Federal Hybrids	F1109 LLGT	1.1	67.6	13.6	2.0
Renk Seed	RS149NX	1.4	67.2	13.1	2.5
Renk Seed	Genesis G1340E	1.3	66.8	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
Peterson Farms Seed	19EN10	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
Peterson Farms Seed	19EN07	0.7	56.2	13.1	2.0
SD AES	M06R-614008	0.7	41.1	13.0	1.3
Trial Average			60.8	13.1	2.3
LSD (0.05)†			2.4	0.2	0.7
C.V.‡			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.