



2019 South Dakota Soybean Variety Trial Results Mt. Vernon

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Location:	3.5 miles east and 6 miles north of Mt. Vernon (57363) in Davison County, SD (GPS: 43.796518° -98.187439°)
Cooperator:	Edinger Brothers
Soil Type:	Houdek-Prosper loams, 0-2% slopes
Fertilizer:	None
Previous crop:	Corn
Tillage:	Conventional
Row spacing:	30 inches
Seeding Rate:	150,000/acre
Herbicide:	Pre: 3 oz Fierce (flumioxazin + pyroxasulfone) + 5 oz Metribuzin (metribuzin) + 24 oz Para-Shot 3.0 (paraquat) Post: none
Insecticide:	None
Date seeded:	6/17/2019
Date harvested:	10/25/2019

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
LG Seeds	LGS2444RX	2.4	69.0	13.6	1.0
Dyna-Gro Seed	S25XT99	2.5	67.1	13.8	1.0
LG Seeds	LGS1575RX	1.5	66.1	13.6	1.5
Peterson Farms Seed	19B18	1.8	66.0	13.6	1.0
Dyna-Gro Seed	S27EN89	2.7	65.2	15.5	1.5
Channel	2418R2X	2.4	65.0	14.4	1.3
Renk Seed	RS248NX	2.4	64.8	14.9	1.3
LG Seeds	LGS1776RX	1.7	63.7	13.3	1.0
LG Seeds	LGS2126RX	2.1	63.6	13.2	1.8
Dyna-Gro Seed	S28XT58	2.8	63.0	15.5	1.0
Peterson Farms Seed	19B20	2.1	62.4	12.9	1.0
LG Seeds	LGS2417RX	2.4	62.1	15.3	1.0
Dyna-Gro Seed	S23XT90	2.3	61.6	13.7	1.0
Channel	2119R2X	2.1	61.0	13.2	1.5
LG Seeds	LGS1838RX	1.8	60.8	13.0	1.0
Peterson Farms Seed	19B16	1.6	60.5	13.6	1.3
Check	CHECK	1.4	59.9	13.6	1.8
Peterson Farms Seed	19EN20	2.0	59.6	13.4	1.0
LG Seeds	LGS2007RX	2.0	58.2	12.9	1.0
Channel	2820R2X	2.8	58.2	16.5	1.0
Renk Seed	Genesis G2340E	2.3	56.6	14.4	1.0
Trial Average			62.6	14.0	1.2
LSD (0.05)†			3.1	0.8	0.5
C.V.‡			3.5	0.4	-

*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.