



# 2019 South Dakota Soybean Variety Trial Results Selby

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<b>Location:</b>	3 miles south and 1.5 miles east of Selby (57472) in Walworth County, SD (GPS: 45.461737°, -100.006804°)
<b>Cooperator:</b>	Tom Fiedler
<b>Soil Type:</b>	Highmore-Eakin silt loams, cool, 2-6% slopes
<b>Fertilizer:</b>	None
<b>Previous crop:</b>	Spring Wheat
<b>Tillage:</b>	No-till
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	150,000/acre
<b>Herbicide:</b>	Pre: none Post: 2 qt/acre Glyphosate
<b>Insecticide:</b>	None
<b>Date seeded:</b>	5/30/2019
<b>Date harvested:</b>	10/28/2019

Table 1. Glyphosate-resistant soybean variety performance results (average of 4 replications) - **Maturity Group 0** at Selby, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Check	CHECK	1.4	52.9	12.5	1.0
Proseed	XT 90-90N	0.9	<b>52.6</b>	12.2	1.0
LG Seeds	LGS0735RX	0.7	<b>52.4</b>	12.2	1.0
Peterson Farms Seed	20X09	0.9	<b>52.3</b>	12.0	1.0
Federal Hybrids	F0990N R2X	0.9	48.7	12.3	1.0
Proseed	EL 80-93	0.9	47.9	12.4	1.0
Proseed	XT 80-80N	0.8	46.3	12.1	1.0
P3 Genetics	1907E	0.7	46.1	12.1	1.0
SDAES	M06R-614008	0.7	41.0	12.0	1.0
<b>Trial Average</b>			48.9	12.2	1.0
<b>LSD (0.05)†</b>			3.7	0.3	-
<b>C.V.‡</b>			5.2	1.6	-

\*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 1** at Selby, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
LG Seeds	LGS1776RX	1.7	<b>56.7</b>	11.8	1.0
LG Seeds	LGS1575RX	1.5	<b>56.6</b>	12.0	1.0
Channel	1020R2X	1.0	<b>56.5</b>	11.9	1.0
Check	CHECK	1.4	<b>56.0</b>	11.8	1.0
Proseed	EL M91-33	1.3	<b>55.9</b>	12.4	1.0
Federal Hybrids	F1500N R2X	1.5	<b>55.7</b>	12.0	1.0
Federal Hybrids	F1690N R2X	1.6	<b>55.1</b>	12.0	1.0
LG Seeds	LGS1635RX	2.6	53.6	11.8	1.0
Proseed	EL 81-13	1.1	53.1	12.1	1.0
Dahlman Seed	1014E3N	1.5	52.8	12.6	1.0
Dahlman Seed	6811XN	1.1	52.7	11.9	1.0
LG Seeds	C1000RX	1.0	52.7	11.9	1.0
Federal Hybrids	F1180N R2X	1.1	51.9	11.9	1.0
P3 Genetics	1910E	1.0	51.2	11.9	1.0
LG Seeds	LGS1550RX	1.5	50.8	11.9	1.0
Federal Hybrids	F1680N R2X	1.6	50.3	11.9	1.0
Proseed	XT 91-10	1.1	49.5	11.5	1.0
Channel	1219R2X	1.2	47.8	11.6	1.0
<b>Trial Average</b>			52.9	11.9	1.0
<b>LSD (0.05)†</b>			3.0	0.3	-
<b>C.V.‡</b>			4.0	1.8	-

\*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.