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SOUTH DAKOTA STATE UNIVERSITY®  
AGRONOMY, HORTICULTURE, & PLANT SCIENCE DEPARTMENT

# 2020 South Dakota Soybean Variety Trial Results Selby

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<b>Location:</b>	2 miles east and 1 mile south of Lowry (57472) in Walworth County, SD (GPS: 45.304573°, -99.937167°)
<b>Cooperator:</b>	Brett Huber
<b>Soil Type:</b>	Highmore silt loams, 2-6% slopes
<b>Fertilizer:</b>	none
<b>Previous crop:</b>	corn
<b>Tillage:</b>	no-till
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	150,000/acre
<b>Herbicide:</b>	Pre: 8 oz/acre Spartan (sulfentrazone) + 0.5 lb/acre Metribuzin Post: 32 oz/acre Roundup Powermax (glyphosate)
<b>Insecticide:</b>	None
<b>Date seeded:</b>	5/19/2020
<b>Date harvested:</b>	10/15/2020

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dairyland Seed	DSR-0645E	0.6	63.4	10.0	1.0
LG Seeds	LGS0735RX	0.7	63.4	9.1	1.0
Dairyland Seed	DSR-0920E	0.9	61.9	9.7	1.0
Dahlman	6015XN	1.5	61.5	9.6	1.0
LG Seeds	LGS1575RX	1.5	60.3	9.2	1.0
LG Seeds	LGS1221RX	1.2	59.2	9.3	1.0
Dairyland Seed	DSR-1318E	1.3	59.0	10.4	1.0
Dahlman	6815XN	1.5	58.5	9.5	1.0
LG Seeds	LGS1550RX	1.5	56.1	9.1	1.0
LG Seeds	LGS1635RX	1.6	55.8	10.0	1.0
Dairyland Seed	DSR-1673E	1.6	55.8	10.0	1.0
Dahlman	1111E3N	1.1	55.7	9.8	1.0
Check	14X0	1.4	55.1	9.8	1.0
LG Seeds	LGS1776RX	1.7	54.8	9.5	1.0
Farmer Check	1619R2X	1.6	54.7	9.3	1.0
<b>Trial Average</b>			58.2	9.6	1.0
<b>LSD (0.05)†</b>			2.8	0.5	-
<b>C.V.‡</b>			3.4	3.3	-

\*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.