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

# 2018 South Dakota Liberty Link Soybean Variety Trial Results Beresford

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<b>Location:</b>	6 miles west and 3 miles south of Beresford (57432) in Clay county, SD GPS: 43.046421°, -96.902085°
<b>Cooperator:</b>	SDSU Southeast Research Farm - Peter Sexton, manager
<b>Soil Type:</b>	Egan-Clarno-Trent complex, 1-6% slopes, non-irrigated
<b>Fertilizer:</b>	None
<b>Previous crop:</b>	Oats/Cover Crop
<b>Tillage:</b>	No-till
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	165,000/acre
<b>Herbicide:</b>	Pre: 2.5 oz Valor (flumioxazin) + 4 oz Dimetric (metribuzin) + 32 oz glyphosate Post: 0.3 oz FirstRate (cloransulam) + 10 oz Flexstar (fomesafen) + 6 oz Select (clethodim) + 1% UAN + 1% COC
<b>Insecticide:</b>	None
<b>Date seeded:</b>	5/29/2018
<b>Date harvested:</b>	10/19/2018

Table 1. Liberty Link soybean variety performance results (average of 4 replications) - **Maturity Groups 1&2** at Beresford, SD.

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dairyland Seed	DSR-2050L	2.1	<b>77.6</b>	11.3	1.3
Dairyland Seed	DSR-2009L	2.0	<b>77.2</b>	11.3	1.0
Miller Hybrids	20269LL	2.0	<b>76.3</b>	11.2	1.0
Peterson Farms Seed	L21-17N	2.1	<b>75.8</b>	11.2	1.0
Legend Seeds	LS 2223LLN	2.2	<b>74.0</b>	11.2	1.0
Check	CHECK	1.4	<b>73.8</b>	11.0	1.3
Legend Seeds	LS 1845LLN	1.8	72.6	11.1	1.8
Dairyland Seed	DSR-2429L	2.4	71.3	10.9	1.0
Miller Hybrids	25279LL	2.5	71.0	11.3	1.0
Dairyland Seed	DSR-2628L	2.6	69.3	11.5	1.0
Miller Hybrids	27269LL	2.7	67.6	11.6	1.3
Legend Seeds	LS 1527LLN	1.5	67.3	11.3	1.5
<b>Trial Average</b>			72.8	11.2	1.2
<b>LSD (0.05)†</b>			4.3	0.2	0.4
<b>C.V.‡</b>			4.0	1.4	-

\*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.