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

# 2018 South Dakota Liberty Link Soybean Variety Trial Results Volga

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<b>Location:</b>	1.5 miles south of Volga in Brookings County, SD (GPS: 44.298783°, -96.922157°)
<b>Cooperator:</b>	SDSU Volga Research Farm - Jack Ingemansen, manager
<b>Soil Type:</b>	Brandt silty clay loam, 0-2% slope
<b>Fertilizer:</b>	None
<b>Previous crop:</b>	Corn
<b>Tillage:</b>	Conventional
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	165,000/acre
<b>Herbicide:</b>	Pre: 1 pt Dual II Magnum (s-metolachlor) Post: 1 pt Avalanche Ultra (acifluorfen)
<b>Insecticide:</b>	None
<b>Date seeded:</b>	5/18/2018
<b>Date harvested:</b>	10/20/2018

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

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dairyland Seed	DSR-1628L	1.6	<b>71.9</b>	10.3	1.0
Miller Hybrids	20269LL	2.0	<b>70.9</b>	10.0	1.0
Peterson Farms Seed	L12-16N	1.2	<b>70.6</b>	10.2	2.0
Peterson Farms Seed	L21-17N	2.1	<b>70.5</b>	9.9	1.0
Thunder Seed	5717 LLN	1.7	<b>70.3</b>	10.1	1.5
Legend Seed	LS 1845LLN	1.8	<b>69.5</b>	10.3	1.3
Thunder Seed	5712 LLN	1.2	<b>68.7</b>	10.3	1.3
Legend Seed	LS 1527LLN	1.5	<b>68.6</b>	10.1	1.5
Thunder Seed	5814 LLN	1.4	67.6	10.2	1.3
Legend Seeds	LS 2223LLN	2.2	67.0	10.1	1.0
Miller Hybrids	13279LL	1.3	66.3	10.1	1.3
Peterson Farms Seed	L11-18N	1.1	64.7	10.2	1.0
Check	CHECK	1.4	64.4	9.8	1.0
Miller Hybrids	17269LL	1.7	63.9	10.2	1.3
Dairyland Seed	DSR-1429L	1.4	63.6	10.1	1.0
Thunder Seed	5411 LLN	1.1	60.2	9.4	1.3
<b>Trial Average</b>			67.4	10.1	1.3
<b>LSD (0.05)†</b>			3.4	0.3	0.7
<b>C.V.‡</b>			3.5	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.