



**SOUTH DAKOTA  
STATE UNIVERSITY**  
College of Agriculture, Food  
and Environmental Sciences

South Dakota State University Extension  
South Dakota Agricultural Experiment Station at SDSU

# 2022 South Dakota Soybean Variety Trial Results Bancroft

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**Location:** 2.5 miles north of Bancroft in Kingsbury County, SD  
44.518099°, -97.753906°

**Cooperator:** Weerts Farm, Inc.

**Soil Type:** Houdek-Stickney-Tetonka loam, 0-2% slope, non-irrigated

**Fertilizer:** none

**Previous crop:** corn

**Tillage:** no till

**Row spacing:** 30 inches

**Seeding Rate:** 150,000/acre

**Herbicide:** Pre: 6.4 oz/acre Spartan Charge + 6 oz/acre metribuzin  
Post: 1 qt/acre Roundup PowerMax + 1 pt/acre Ultra Blazer + 7 oz/acre Volunteer

**Insecticide:** none

**Date seeded:** 5/20/2022

**Date harvested:** 10/11/2022

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Table 1. Glyphosate-resistant soybean performance results (average of 4 replications - **Maturity Groups 0 and I**) at Bancroft, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Farmer Check 1	17EE32	1.7	49.4	8.6	1.0
LG Seeds	LGS1939E3	1.9	<b>47.0</b>	8.4	1.0
Proseed	XF31-32N	1.3	<b>45.8</b>	8.7	1.0
Proseed	XF31-62N	1.6	<b>45.7</b>	8.7	1.0
Proseed	EL21-23N	1.2	<b>45.5</b>	8.5	1.0
Farmer Check 2	18E245N	1.8	<b>45.5</b>	8.5	1.0
Dairyland Seed	DSR-1820E	1.8	<b>45.4</b>	8.2	1.0
LG Seeds	LGS1385XF	1.3	<b>45.0</b>	8.4	1.0
Genesis	G1560E	1.5	44.6	8.7	1.0
LG Seeds	LGS1911XF	1.9	44.4	8.2	1.0
LG Seeds	LGS1660E3	1.6	43.6	8.2	1.0
LG Seeds	LGS1585XF	1.5	43.5	8.3	1.0
Proseed	EL31-13N	1.1	43.4	8.5	1.0
LG Seeds	LGS1701E3	1.7	43.3	8.9	1.0
Proseed	EL91-33N	1.3	43.0	8.4	1.0
Dairyland Seed	DSR-1919E	1.9	42.9	8.3	1.0
LG Seeds	LGS1232XF	1.2	42.7	8.5	1.0
Proseed	EL31-43N	1.4	42.5	8.4	1.0
Dairyland Seed	DSR-2188E	2.1	42.4	8.5	1.0
Check	AG15XF2	1.5	42.3	8.6	1.0
Genesis	G1970E	1.9	40.5	8.3	1.0
<b>Trial Average</b>			44.2	8.5	1.0
<b>LSD (0.05)†</b>			2.2	0.3	-
<b>C.V.‡</b>			3.5	-	-

\* 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.