



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

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

2023 South Dakota Soybean Variety Trial Results Bancroft

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Location: 3 miles north and 1/2 mile west of Bancroft in Kingsbury County, SD
44.527163°, -97.763279°

Cooperator: Weerts Farms, Inc.

Soil Type: Houdek-Stickney-Tetonka loam, 0-2% slopes, 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 Metricor + 32 oz/acre Roundup
Powermax
Post: 1 qt/acre Buccaneer Plus + 1 pt/acre Ultra-Blazer + 12 oz/acre Volunteer

Insecticide: none

Date seeded: 5/10/2023

Date harvested: 10/21/2023

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
LG Seeds	LGS1585XF	1.5	75.2	12.3	2.3
Genesis	G1560E	1.5	74.4	12.4	2.3
LG Seeds	LGS1832E3	1.8	71.9	12.0	2.0
LG Seeds	LGS1385XF	1.3	69.2	12.1	2.0
Jacobsen Seed	AE1410E3	1.4	67.8	11.9	2.0
Jacobsen Seed	AE1720	1.7	67.6	12.3	2.0
Jacobsen Seed	J1873E3	1.8	66.5	11.9	2.3
LG Seeds	LGS2001E3	2.0	66.3	11.9	2.0
Jacobsen Seed	AE1520	1.5	66.3	12.3	2.0
LG Seeds	LGS1911XF	1.9	65.6	11.8	2.3
Dairyland Seed	DSR-1788E	1.7	64.7	12.2	2.0
LG Seeds	LGS1551E3	1.5	63.8	11.9	2.0
Jacobsen Seed	J1942E3	1.9	62.8	12.1	2.3
Check	AG15XF2	1.5	62.5	11.9	2.0
Jacobsen Seed	J1993E3	1.9	62.4	11.9	2.3
Jacobsen Seed	J1720XF	1.7	61.3	12.2	2.3
Dairyland Seed	DSR-1919E	1.9	60.7	11.7	2.0
Jacobsen Seed	AE1710E3	1.7	59.0	11.5	2.0
Jacobsen Seed	1628XF	1.8	57.9	12.1	2.3
LG Seeds	LGS1735XF	1.7	53.4	12.1	2.0
Trial Average			64.5	12.0	2.1
LSD (0.05)†			4.0	0.2	-
C.V.‡			4.4	-	-

* 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.