



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

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

2021 South Dakota Soybean Variety Trial Results Bancroft

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Location: 4 miles north and 1/2 mile west of Bancroft (57353) in Kingsbury County
(GPS: 44.543921°, -97.767418°)

Cooperator: Weerts Farm, Inc.

Soil Type: Houdek-Stickney 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 (sulfentrazone+carfentrazone) + 6 oz/acre metribuzin
-Post: 1 qt/acre Roundup PowerMax (glyphosate) + 1 pt/acre Ultra Blazer (acifluorfen)

Insecticide: none

Date seeded: 5/17/2021

Date harvested: 10/8/2021

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Table 1. Glyphosate-resistant soybean performance results (average of four replications - **Maturity Groups 0 & I**) at Bancroft, South Dakota.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Proseed	EL11-53N	1.5	70.4	14.4	2.3
Dairyland Seed	DSR-1820E	1.8	67.7	13.8	1.5
P3 Genetics	2218E	1.8	65.3	14.4	2.0
Genesis	G1760E	1.7	64.9	14.3	2.5
LG Seeds	LGS1867E3	1.8	64.6	13.9	1.8
Farmer Check	11EC02	1.1	63.7	14.0	2.0
LG Seeds	LGS1585XF	1.5	63.5	14.4	1.3
P3 Genetics	2214E	1.4	62.6	13.5	2.0
Farmer Check	P16T58E	1.6	61.9	13.4	1.3
Proseed	EL11-83N	1.8	61.5	13.8	1.8
LG Seeds	LGS1203E3	1.2	61.5	13.9	1.5
P3 Genetics	2015E	1.5	61.0	14.1	1.0
LG Seeds	LGS1660E3	1.6	60.5	14.3	1.5
Dairyland Seed	DSR-1707E	1.7	60.5	14.1	1.0
ND Crop Imp. Assc.	ND2108GT73	0.8	60.5	14.0	1.0
LG Seeds	LGS1848XF	1.8	58.8	14.2	1.0
Federal Hybrids	F1920NRXF	1.7	58.2	13.4	1.0
P3 Genetics	2216E	1.6	57.7	14.3	1.3
Federal Hybrids	F1720NRXF	1.7	57.0	13.9	1.3
Peterson Farms Seed	22XF14	1.4	56.5	13.9	1.5
Genesis	G1560E	1.5	56.0	14.5	1.3
Check	AG17X8	1.7	51.1	13.7	1.3
Trial Average			60.7	14.0	1.5
LSD (0.05)†			4.5	0.7	-
C.V.‡			5.3	3.7	-

* 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.



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Table 2. Glyphosate-resistant soybean performance results (average of four replications - **Maturity Group II**) at Bancroft, South Dakota.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Renk	RS212NXF	2.1	65.5	12.6	2.5
Farmer Check	P20A22X	2.0	65.2	13.3	1.8
Renk	RS242NXF	2.4	62.3	12.6	1.8
Renk	RS248NX	2.4	61.2	12.5	1.5
P3 Genetics	2220E	2.2	56.5	13.8	2.0
Dairyland Seed	DSR-2040E	2.0	56.5	13.1	1.3
Dairyland Seed	DSR-2112E	2.1	56.3	13.1	1.3
Farmer Check	LG1769XF	1.7	55.4	13.2	1.0
Check	AG17X8	1.7	52.5	13.2	1.3
Federal Hybrids	F2210NRXF	2.2	52.4	13.3	2.5
Trial Average			58.4	13.0	1.7
LSD (0.05)†			2.9	0.5	-
C.V.‡			3.4	2.4	-

* 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.