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

2020 South Dakota Soybean Variety Trial Results Bancroft

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Location:	2.5 miles north of Bancroft (57353) in Kingsbury County (GPS: 44.518097°, -97.753989°)
Cooperator:	Weerts Farm, Inc.
Soil Type:	Houdek-Stickney-Tetonka loam, 0-2% slope, non-irrigated
Fertilizer:	none
Previous crop:	corn
Tillage:	minimum-till
Row spacing:	30 inches
Seeding Rate:	150,000/acre
Herbicide:	Pre: 6.4 oz Spartan Charge (sulfentrazone+carfentrazone) + 4 oz Dimetric (metribuzin) Post: 1) 8 oz/acre Fusilade (fluzifop) + 32 oz/acre Flexstar (fomesafen) + 32 oz/acre Roundup Powermax (glyphosate); 2) 32 oz/acre Avalanche(aciflourfen) + 32 oz/acre Roundup Powermax (glyphosate)
Insecticide:	None
Date seeded:	5/28/2020
Date harvested:	10/14/2020

Table 1. Glyphosate-resistan soybean variety performance results (average of 4 replications - **Maturity Group 1** at Bancroft, SD.

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
LG Seeds	LGS1221RX	1.2	61.2	8.7	1.0
LG Seeds	C1838RX	1.8	60.3	8.7	1.0
LG Seeds	LGS1776RX	1.7	60.1	8.5	1.0
Dairyland Seed	DSR-1673E	1.6	60.0	8.7	1.0
Farmer Check 1	P16T58E	1.6	59.8	9.1	1.0
P3 Genetics	2117E	1.7	59.4	8.7	1.0
LG Seeds	LGS1575RX	1.5	59.4	8.8	1.0
LG Seeds	LGS1550RX	1.5	59.3	8.7	1.0
Dairyland Seed	DSR-1318E	1.3	59.2	8.9	1.0
P3 Genetics	2015E	1.5	58.7	8.8	1.0
Peterson Farms Seed	21X16N	1.6	58.6	8.6	1.0
LG Seeds	LGS1635RX	1.6	58.1	8.8	1.0
Renk Seed	RS181NX	1.8	58.0	8.8	1.0
Farmer Check 2	17GA62	1.7	57.5	9.0	1.0
P3 Genetics	2114E	1.4	57.0	9.1	1.0
Check	14X0	1.4	54.7	8.8	1.0
Trial Average			58.8	8.8	1.0
LSD (0.05)†			3.3	0.4	-
C.V.‡			4.0	3.5	-

* Lodging percentage - stalks broken below the ear as a percentage of the final stand.

† 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.

Table 2. Glyphosate-resistan soybean variety performance results (average of 4 replications - **Maturity Group 2** at Bancroft, SD.

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Renk Seed	RS248NX	2.4	60.7	9.5	1.0
Dairyland Seed	DSR-2424E	2.4	60.0	9.1	1.0
Genesis	G2350E	2.3	59.7	9.2	1.0
Genesis	G2550E	2.5	59.6	8.7	1.0
P3 Genetics	2121E	2.1	59.5	9.0	1.0
Farmer Check 1	P16T58E	1.6	59.5	9.1	1.0
Genesis	G2150E	2.1	59.2	9.0	1.0
Dairyland Seed	DSR-2030E	2.0	58.4	9.0	1.0
Dairyland Seed	DSR-2112E	2.1	57.9	9.0	1.0
Farmer Check 2	17GA62	1.7	57.7	8.9	1.0
Check	14X0	1.4	54.2	8.7	1.0
Trial Average			58.8	9.0	1.0
LSD (0.05)†			2.8	0.3	-
C.V.‡			3.4	2.6	-

* Lodging percentage - stalks broken below the ear as a percentage of the final stand.

† 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.