



OCTOBER 2018

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

2018 South Dakota Soybean Variety Trial Results Bancroft

Jonathan Kleinjan | SDSU Extension Crop Production Associate

Kevin Kirby | Agricultural Research Manager

Shawn Hawks | Agricultural Research Manager

Location:	2.5 miles north of Bancroft (57353) in Kingsbury County (GPS: 44.519057°, -97.753785°)
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:	165,000/acre
Herbicide:	Pre: 6.4 oz Spartan Charge (sulfentrazone+carfentrazone) + 4 oz Dimetric (metribuzin) Post: 1) 32 oz Cornerstone 5 Plus (glyphosate); 2) 12 oz Agent (fomesafen) + 4 oz Section 3 (clethodim)
Insecticide:	None
Date seeded:	5/18/2018
Date harvested:	10/18/2018

Table 1. Glyphosate-resistant 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)*
Prairie Brand	PB-1947R2	1.9	74.7	10.6	1.0
Dairyland Seed	DSR-1313/R2Y	1.3	72.6	10.5	1.0
Renk	RS149NX	1.4	69.0	10.3	1.0
Check	CHECK	1.4	68.8	10.6	1.0
Peterson Farms Seed	18X11N	1.1	68.7	10.7	1.0
Peterson Farms Seed	19X14N	1.4	68.6	10.4	1.0
Federal Hybrids	F1180N R2X	1.1	68.4	10.4	1.0
LG Seeds	LGS1575RX	1.5	68.2	10.5	1.0
Legend Seeds	LS 17X802N	1.7	68.0	10.5	1.0
LG Seeds	LGS1667RX	1.6	68.0	10.4	1.0
Dairyland Seed	DSR-1950/R2Y	1.9	67.0	10.7	1.0
Dairyland Seed	DSR-1616/R2Y	1.6	66.9	11.0	1.0
Federal Hybrids	F1680N R2X	1.6	66.9	10.4	1.0
Proseed	XT 71-40	1.4	66.8	10.6	1.0
Peterson Farms Seed	18X16N	1.6	66.4	10.6	1.0
Dairyland Seed	DSR-1526/R2Y	1.6	66.2	10.3	1.0
Dairyland Seed	DSR-1721/R2Y	1.7	66.2	10.5	1.0
LG Seeds	LGS1635RX	1.6	66.0	10.4	1.0
Dairyland Seed	DSR-1870/R2Y	1.8	65.7	10.2	1.0
Federal Hybrids	F1690N R2X	1.6	65.2	10.4	1.0
Prairie Brand	PB-1787R2	1.7	64.3	10.3	1.0
Federal Hybrids	F1490N R2X	1.4	64.0	10.5	1.0
Legend Seeds	LS 16X923N	1.6	63.7	10.6	1.0
Dairyland Seed	DSR-1509R	1.5	63.7	10.0	1.0
LG Seeds	C1838RX	1.8	63.7	10.5	1.0
Proseed	XT 71-80	1.8	63.5	10.5	1.0
Renk	RS188NX	1.8	63.2	10.5	1.0
Legend Seeds	LS 14X862N	1.4	62.6	10.7	1.0
Federal Hybrids	F1880N R2X	1.8	62.4	10.5	1.0
Renk	RS169NX	1.6	62.0	11.4	1.0
Peterson Farms Seed	19X10N	1.0	61.2	10.5	1.0
Trial Average			66.2	10.5	1.0
LSD (0.05)†			3.2	0.4	-
C.V.‡			3.4	2.6	-

*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.

Table 2. Glyphosate-resistant 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)*
Legend Seeds	LS 23X920N	2.3	69.0	10.8	1.0
Federal Hybrids	F2170N R2X	2.1	68.6	10.5	1.0
Legend Seeds	LS 20X963N	2.0	68.5	10.6	1.0
Renk	RS207NX	2.0	68.3	10.6	1.0
Check	CHECK	1.4	68.1	10.6	1.0
Federal Hybrids	F2190N R2X	2.1	67.9	10.5	1.0
LG Seeds	C2126RX	2.1	67.8	10.7	1.0
Dairyland Seed	DSR-2110/R2Y	2.1	67.8	10.6	1.0
LG Seeds	LGS2417RX	2.4	65.6	12.0	1.0
LG Seeds	LGS2007RX	2.0	65.4	10.6	1.0
Renk	RS219NX	2.1	65.3	10.5	1.0
Federal Hybrids	F2290N R2X	2.2	64.8	10.2	1.0
Federal Hybrids	F2280N R2X	2.2	64.8	10.9	1.0
Federal Hybrids	F2090N R2X	2.0	64.0	10.6	1.0
LG Seeds	LGS2239RX	2.2	63.7	10.3	1.0
Federal Hybrids	F2380N R2X	2.3	61.2	11.0	1.0
Trial Average			66.3	10.7	1.0
LSD (0.05)†			2.8	0.3	-
C.V.‡			3.0	1.9	-

*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.