



**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 Bath

Jonathan Kleinjan | SDSU Extension Agronomist
Kevin Kirby | Agricultural Research Manager
Shawn Hawks | Agricultural Research Manager

Location: 5 miles south and 1 mile east of Bath in Brown County, SD
45.392864°, -98.306873°

Cooperator: Gordon and Roger Locken Farms

Soil Type: Great Bend-Beotia silt loams, 0-2% slopes

Fertilizer: none

Previous crop: corn

Tillage: no till

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide: Pre: 5.4 oz/acre 2,4-D LV6 + 30 oz/acre Cornerstone 5 Plus + 7.1 oz/acre Authority Assist + 8 oz/acre Glory 4L
Post: 1 qt/acre Roundup PowerMax + 5 oz/acre Volunteer

Fungicide: 5.5 oz/acre Endura applied at R1-R2

Date seeded: 5/23/2022

Date harvested: 10/11/2022

SDSU Extension is an equal opportunity provider and employer in accordance with the nondiscrimination policies of South Dakota State University, the South Dakota Board of Regents and the United States Department of Agriculture.

Learn more at extension.sdstate.edu.

© 2022, South Dakota Board of Regents



2022 South Dakota Soybean Variety Trial Results Bath

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dairyland Seed	DSR-1450E	1.4	80.7	7.5	1.0
Proseed	XF31-32N	1.3	78.6	8.1	1.0
Farmer Check 1	17EE32	1.7	78.0	7.9	1.0
Federal Hybrids	AE1710	1.7	78.0	7.4	1.0
Federal Hybrids	AE1520	1.5	77.5	7.9	1.0
Dahlman Seed	7218XF	1.8	76.9	7.7	1.0
LG Seeds	LGS1385XF	1.3	76.8	7.7	1.0
Federal Hybrids	AE1630	1.6	76.4	7.8	1.0
Dahlman Seed	AE1520	1.5	76.2	7.8	1.0
Farmer Check 2	16E163N	1.6	76.1	7.7	1.0
LG Seeds	LGS1203E3	1.2	75.9	7.6	1.0
Proseed	EL31-13N	1.1	75.8	7.7	1.0
LG Seeds	LGS1585XF	1.5	75.5	7.8	1.0
Genesis	G1260E	1.2	75.4	7.8	1.0
Dahlman Seed	AE1220	1.3	75.3	7.7	1.0
Dairyland Seed	DSR-1505E	1.5	75.1	7.6	1.0
Dairyland Seed	DSR-1290E	1.2	75.0	7.8	1.0
Federal Hybrids	AE1210S	1.2	75.0	7.8	1.0
Proseed	XF31-62N	1.6	74.5	8.1	1.0
Check	AG15XF2	1.5	74.4	7.8	1.0
Dahlman Seed	7213XF	1.3	74.2	7.7	1.0
LG Seeds	LGS0988XF	0.9	74.1	7.8	1.0
Genesis	G1070E	1.0	73.8	7.8	1.0
Dahlman Seed	7210XF	1.0	73.0	7.6	1.0
Dairyland Seed	DSR-1121E	1.1	72.8	7.6	1.0
Federal Hybrids	AE1410	1.4	72.5	7.8	1.0
LG Seeds	LGS1232XF	1.2	72.4	7.6	1.0
LG Seeds	LGS0822E3	0.8	72.1	7.8	1.0
Proseed	EL31-43N	1.4	72.0	7.9	1.0
Proseed	EL21-23N	1.2	71.9	7.6	1.0
Dahlman Seed	7315XF	1.5	71.7	7.7	1.0
Dairyland Seed	DSR-0920E	0.9	71.2	7.6	1.0
Proseed	EL91-33N	1.3	69.4	7.8	1.0
Dahlman Seed	1317E3N	1.7	69.1	7.6	1.0
Dahlman Seed	7308XF	0.8	65.1	7.6	1.0
Trial Average			74.5	7.7	1.0
LSD (0.05)†			2.3	0.3	-
C.V.‡			2.2	-	-

* 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.