



**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 Bath

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

Location: 3 miles south and 1 mile east of Bath in Brown County, SD
45.424084°, -98.308068°

Cooperator: Gordon and Roger Locken Farms

Soil Type: Grent 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: 9.6 oz/acre 2,4-D LV6 + 28 oz/acre Buccaneer + 6.4 oz/acre Zone Assist +
6.4 oz/acre Metrix SC
Post: 1 qt/acre Buccaneer Plus + 1 pt/acre Ultra-Blazer + 12 oz/acre Volunteer

Fungicide: 8 oz/acre Endura applied at R1-R2

Date seeded: 5/23/2023

Date harvested: 10/19/2023

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.

© 2023, South Dakota Board of Regents



2023 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)*
LG Seeds	LGS1385XF	1.3	76.5	14.1	1.0
LG Seeds	LGS1585XF	1.5	75.4	14.2	1.0
Jacobsen Seed	AE1520	1.5	73.0	14.5	1.0
Jacobsen Seed	J1873E3	1.8	72.6	13.6	1.0
Jacobsen Seed	1628XF	1.8	70.7	13.9	1.0
Dahlman Seed	AE1520	1.5	69.9	14.2	1.0
Farmer Check 2	18E245N	1.8	69.0	14.4	1.0
Jacobsen Seed	AE1720	1.7	69.0	14.3	1.0
Jacobsen Seed	AE1410E3	1.4	68.7	14.0	1.0
Dahlman Seed	7218XF	1.8	68.5	14.0	1.0
Jacobsen Seed	AE1710E3	1.7	68.2	13.7	1.0
Genesis	G0880E	0.8	68.0	14.6	1.0
Jacobsen Seed	AE1220E3	1.2	67.6	13.8	1.0
Dahlman Seed	7315XF	1.5	67.2	13.9	1.0
Check	AG15XF2	1.5	67.1	13.8	1.0
Proseed	XF 41-22	1.2	66.8	14.0	1.0
Dahlman Seed	AE1220	1.2	66.3	13.9	1.0
Dahlman Seed	7213XF	1.3	65.8	13.5	1.0
Dahlman Seed	7210XF	1.0	65.5	14.5	1.0
Dahlman Seed	7412XF	1.2	65.3	13.9	1.0
Proseed	EL 41-23N	1.2	65.2	14.6	1.0
Genesis	G1260E	1.2	64.7	13.6	1.0
LG Seeds	LGS1551E3	1.5	63.8	13.9	1.0
Dairyland Seed	DSR-1290E	1.2	63.5	14.2	1.0
LG Seeds	LGS0822E3	0.8	62.7	14.2	1.0
LG Seeds	LGS1043E3	1.0	61.1	14.8	1.0
Dahlman Seed	AE1930	1.9	60.8	13.6	1.0
Dairyland Seed	DSR-1450E	1.4	55.4	13.8	1.0
Farmer Check 1	04E523	0.4	53.9	14.4	1.0
Trial Average			66.8	14.0	1.0
LSD (0.05)†			3.1	0.4	-
C.V.‡			3.3	-	-

* 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.