



**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 Alexandria

Jonathan Kleinjan | SDSU Extension Agronomist

Kevin Kirby | Agricultural Research Manager

Shawn Hawks | Agricultural Research Manager

Location: 5 1/2 miles north and 1 1/2 miles east of Alexandria in Hanson County, SD
43.745496°, -97.762325°

Cooperator: Jared Schultz

Soil Type: Prosper-Stickney complex, 0-2% slopes

Fertilizer: none

Previous crop: corn

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide: Fall pre: 3 oz/acre flumioxazin
Pre: 32 oz/acre Roundup Powermax + 8 oz/acre sulfentrazone & imazethapyr +
4 oz/acre metribuzin
Post: 14 oz/acre fomesafen + 16 oz/acre metolachlor + 10 oz/acre clethodim

Insecticide: none

Date seeded: 5/22/2023

Date harvested: 10/23/2023

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 Alexandria

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dairyland Seed	DSR-2691E	2.6	55.0	11.3	1.0
Genesis	G2180E	2.1	53.7	12.9	1.0
LG Seeds	LGS2001E3	2.0	53.4	12.3	1.0
Check	AG15XF2	1.5	52.6	12.3	1.0
LG Seeds	LGS2364XF	2.3	52.3	12.0	1.0
Miller Hybrids	2920	2.9	52.3	12.1	1.0
LG Seeds	LGS1911XF	1.9	51.9	12.0	1.0
Farmer Check 2	2818	2.8	51.8	11.5	1.0
Genesis	G2780E	2.7	51.8	12.2	1.0
LG Seeds	LGS2505E3	2.5	50.9	12.0	1.0
Miller Hybrids	2630	2.6	50.8	12.5	1.0
Genesis	G2480E	2.4	48.7	11.7	1.0
Dairyland Seed	DSR-2310E	2.3	47.9	12.4	1.0
Farmer Check 1	2368	2.3	47.1	12.7	1.0
Dairyland Seed	DSR-2188E	2.1	46.8	12.4	1.0
Dairyland Seed	DSR-2562E	2.5	46.4	11.1	1.0
Dairyland Seed	DSR-2444E	2.4	46.0	11.7	1.0
LG Seeds	LGS1832E3	1.8	41.9	11.7	1.0
Trial Average			50.0	12.0	1.0
LSD (0.05)†			2.7	0.5	-
C.V.‡			3.9	-	-

* 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.