SDSU Extension
agronomy
South Dakota Agricultural Experiment Station Research at SDSU
OCTOBER 2020
SOUTH DAKOTA STATE UNIVERSITY®
AGRONOMY, HORTICULTURE, & PLANT SCIENCE DEPARTMENT

2020 South Dakota Soybean Variety Trial Results South Shore

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Location:	8.5 miles west of South Shore (57263) in Codington County, SD (GPS: 45.106773°, -97.096968°)
Cooperator:	SDSU Northeast Research Farm - Allen Heuer, manager
Soil Type:	Kranzburg-Brookings silty clay loams, 0-2% slope
Fertilizer:	None
Previous crop:	Spring Wheat
Tillage:	Conventional
Row spacing:	30 inches
Seeding Rate:	150,000/acre
Herbicide:	Pre: 1 pt/acre Dual II Magnum (s-metolachlor) + 5 oz/acre Antares (sulfentrazone) Post: 32 oz Roundup (glyphosate)
Insecticide:	None
Date seeded:	5/18/2020
Date harvested:	10/1/2020

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Table 1. Glyphosate-resistant soybean variety performance results (average of 4 replications - **Maturity Groups 0 & 1** at South Shore, SD.

Variety Information		Agronomic Performance			
Brand	**Variety**	**Maturity Rating**	**Yield (bu/ac@13%)**	**Moisture (%)**	**Lodging Score (1-5)***
Renk Seed	RS149NX	1.4	**71.0**	10.6	1.0
Dairyland Seed	DSR-1673E	1.6	**68.9**	11.2	1.0
Renk Seed	RS150NX	1.5	**68.0**	11.0	1.0
Dairyland Seed	DSR-0920E	0.9	**67.9**	10.9	1.0
Dairyland Seed	DSR-1318E	1.3	66.0	11.0	1.0
Farmer Check 2	S11-E3	1.1	65.9	11.1	1.3
Renk Seed	RS100NX	1.0	65.9	10.5	1.0
Genesis	G1340E	1.3	65.6	10.8	1.0
Genesis	G1450E	1.4	64.6	11.3	1.3
LG Seeds	LGS0735RX	0.7	64.4	10.5	1.0
Dairyland Seed	DSR-0645E	0.6	64.0	10.8	1.5
LG Seeds	LGS1221RX	1.2	63.6	10.5	1.0
Peterson Farms Seed	20X12N	1.2	63.5	10.4	1.5
P3 Genetics	2013E	1.3	63.3	11.1	1.0
Farmer Check 1	AE0600	0.6	63.0	10.7	1.0
P3 Genetics	1911E	1.1	62.8	10.9	1.0
P3 Genetics	2013B	1.3	62.4	11.3	1.5
Check	14X0	1.4	60.7	10.7	1.0
		Trial Average	65.1	10.8	1.1
		LSD (0.05)†	3.2	0.4	-
		C.V.‡	3.5	2.3	-

* Lodging percentage - stalks broken below the ear as a percentage of the final stand.
† Yield or moisture value required (≥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.