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

2018 South Dakota Conventional Soybean Variety Trial Results South Shore

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Location:	8.5 miles west of South Shore (57263) in Codington County, SD GPS: 45.106969°, -97.098609°
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:	165,000/acre
Herbicide:	Pre: 1 pt Dual II Magnum (s-metolachlor) Post: .083 oz Harmony SG (thifensulferon)
Insecticide:	None
Date seeded:	5/22/2018
Date harvested:	10/16/2018

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Table 1. Conventional soybean variety performance results (average of 4 replications) - **Maturity Group 0** at South Shore, SD.

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
SD AES	CODINGTON	0.9	**64.3**	15.5	1.0
Check	CHECK-I-CK	1.4	**63.7**	16.5	1.5
Richland IFC	MK808CN	0.8	58.3	15.3	1.8
MN AES	MN0810CN	0.8	58.2	15.5	1.0
Richland IFC	MK42	0.7	56.1	14.3	1.5
Richland IFC	MK0603	0.6	50.8	14.7	1.8
Richland IFC	MK0508	0.8	46.6	14.6	2.5
		Trial Average	56.9	15.2	1.6
		LSD (0.05)†	3.0	0.8	1.0
		C.V.‡	3.6	2.6	-

*Lodging Score (1 = no lodging to 5 = flat on the ground).
† 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.

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Table 2. Conventional soybean variety performance results (average of 4 replications) - **Maturity Group 1** at South Shore, SD.

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
SD AES	BROOKINGS	1.7	**72.8**	16.3	1.8
MN AES	MN1701CN	1.7	**69.3**	16.7	1.5
Viking Seed	1518N	1.5	65.2	14.9	1.0
MN AES	MN1806CN	1.8	64.7	16.3	1.0
MN AES	MN1613CN	1.6	63.9	14.7	1.3
MN AES	MN1312CN	1.3	62.7	14.0	1.3
Brushvale Seed	BS1512	1.4	62.6	14.7	1.3
Miller Hybrids	1268	1.1	62.3	14.6	1.5
Check	CHECK	1.4	61.7	15.1	1.5
Richland IFC	MK146	1.1	60.6	13.9	1.3
Brushvale Seed	BS1146	1.1	60.1	14.1	1.5
Viking Seed	1218N	1.2	59.9	14.0	1.5
Richland IFC	MK9101	1.1	58.8	15.4	1.0
Richland IFC	MK41	1.1	56.2	14.2	2.0
Viking Seed	O.1202N	1.2	55.0	14.0	1.5
Richland IFC	MK1016	1.0	50.0	14.4	2.0
		Trial Average	61.5	14.8	1.4
		LSD (0.05)†	3.5	0.6	0.6
		C.V.‡	3.9	3.0	-

*Lodging Score (1 = no lodging to 5 = flat on the ground).
† 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.