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SOUTH DAKOTA STATE UNIVERSITY®
AGRONOMY, HORTICULTURE & PLANT SCIENCE DEPARTMENT

2018 South Dakota Conventional Soybean Variety Trial Results Volga

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Location:	1.5 miles south of Volga in Brookings County, SD (GPS: 44.298783°, -96.922157°)
Cooperator:	SDSU Volga Research Farm - Jack Ingemansen, manager
Soil Type:	Brandt silty clay loam, 0-2% slope
Fertilizer:	None
Previous crop:	Corn
Tillage:	Conventional
Row spacing:	30 inches
Seeding Rate:	165,000/acre
Herbicide:	Pre: 1 pt Dual II Magnum (s-metolachlor) Post: 1 pt Avalanche Ultra (acifluorfen)
Insecticide:	None
Date seeded:	5/18/2018
Date harvested:	10/20/2018

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

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Check	CHECK	1.4	64.3	10.2	1.0
Richland IFC	MK808CN	0.8	57.4	10.3	1.8
MN AES	MN0810CN	0.8	56.3	10.2	2.5
SD AES	CODINGTON	0.9	56.1	10.4	1.3
Richland IFC	MK42	0.7	54.7	9.8	1.5
Richland IFC	MK0603	0.6	51.9	10.3	3.5
Richland IFC	MK0508	0.8	48.7	10.0	3.8
Trial Average			55.6	10.2	2.2
LSD (0.05)†			3.6	0.3	0.8
C.V.‡			4.3	2.0	-

*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.

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

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Viking Seed	1218N	1.2	65.8	9.5	1.0
Check	CHECK	1.4	64.4	9.8	1.0
SD AES	BROOKINGS	1.7	63.9	10.1	2.0
Viking Seed	O.1202N	1.2	63.2	9.9	1.0
Viking Seed	1518N	1.5	63.1	10.1	1.3
Brushvale Seed	BS1512	1.4	62.9	9.7	1.5
Brushvale Seed	BS1146	1.1	61.6	9.7	1.0
Richland IFC	MK146	1.1	60.5	9.7	1.0
Richland IFC	MK41	1.1	59.7	9.7	2.0
MN AES	MN1613CN	1.6	59.4	9.8	1.5
MN AES	MN1701CN	1.7	59.1	10.2	2.0
Miller Hybrids	1968	1.9	58.5	10.4	1.0
MN AES	MN1312CN	1.3	58.1	9.6	1.0
MN AES	MN1806CN	1.8	56.5	10.4	1.0
Richland IFC	MK9101	1.1	50.5	11.0	1.3
Richland IFC	MK1016	1.0	45.6	9.7	3.3
Trial Average			59.2	10.0	1.5
LSD (0.05)†			3.7	0.3	0.4
C.V.‡			4.4	2.0	-

*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.

Table 3. Conventional soybean variety performance results (average of 4 replications) - **Maturity Group 2** at Volga, SD.

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Viking Seed	2155N	2.1	70.1	10.9	1.5
Viking Seed	2018N	2.0	67.2	9.9	1.0
Check	CHECK	1.4	66.7	9.8	1.0
Miller Hybrids	2368	2.3	66.6	10.3	1.3
Richland IFC	MK373	2.0	61.3	10.3	1.3
Brushvale Seed	T2346	2.3	60.0	10.5	1.0
SD AES	DAVISON	2.2	59.8	10.0	1.0
Brushvale Seed	N2358	2.3	58.5	9.9	1.0
Trial Average			63.8	10.2	1.1
LSD (0.05)†			3.9	0.3	0.5
C.V.‡			4.1	1.9	-

*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.