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

2020 South Dakota Conventional Soybean Variety Trial Results Brookings

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Location:	SDSU campus (57007) in Brookings County, SD (GPS: 44.320550°, -96.771294°)
Cooperator:	SDSU Research Farm - Jack Ingemansen, manager
Soil Type:	Barnes clay loams, 0-2% slopes
Fertilizer:	none
Previous crop:	corn
Tillage:	no-till
Row spacing:	30 inches
Seeding Rate:	150,000/acre
Herbicide:	Pre: 1 pt Dual II Magnum (s-metolachlor) Post: 6 oz/acre Fusilade (fluazifop)
Insecticide:	None
Date seeded:	5/20/2020
Date harvested:	10/2/2020

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Check	14X0	1.4	61.1	10.2	1.3
ND AES	ND15-22873	0.7	59.4	10.3	1.0
Richland IFC	MK808CN	0.8	57.0	11.1	1.3
ND AES	ND Dickey	0.7	56.9	9.7	1.0
Richland IFC	MK0603	0.6	54.1	10.1	2.5
SD AES	Codington	0.8	54.0	10.3	1.5
Richland IFC	MK0508	0.9	53.6	10.7	3.0
ND AES	ND Stutsman	0.7	35.6	10.3	1.0
Trial Average			54.0	10.3	1.6
LSD (0.05)†			2.2	0.3	-
C.V.‡			2.8	2.2	-

*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 Groups 1 & 2** at Brookings, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Miller Hybrids	2368	2.3	62.6	8.7	1.0
Brushvale	BS1743	1.7	59.9	10.6	1.0
Brushvale	BS1512	1.4	59.5	9.9	1.0
Check	14X0	1.4	59.4	10.1	1.0
SD AES	Brookings	1.7	58.1	10.4	1.5
Richland IFC	MK146	1.1	57.4	10.3	1.0
Brushvale	BS1146	1.1	57.4	10.3	1.0
MN AES	EXP M09-285149	1.5	56.6	10.6	1.8
SD AES	Davison	2.2	55.9	8.3	1.0
Richland IFC	MK41	1.1	55.2	10.9	1.3
Miller Hybrids	1968	1.9	54.8	10.8	1.0
Sevita International	Candor	1.9	54.4	11.6	1.8
Sevita International	Skyline	1.1	51.9	10.6	1.8
MN AES	MN1312CN	1.3	51.8	10.0	1.0
MN AES	EXP M10-238-2036	1.5	51.0	10.2	1.0
Richland IFC	MK1016	1.1	50.2	10.6	2.5
MN AES	MN1806CN	1.8	48.1	10.9	1.0
Trial Average			54.1	10.2	1.2
LSD (0.05)†			2.7	0.5	-
C.V.‡			3.5	3.7	-

*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.

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