

2017 South Dakota Conventional Soybean Variety Trial Results

Table 2. Conventional soybean variety performance results (average of 4 replications sorted by yield) - Maturity Group 2 at Beresford, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Great Lakes Hybrids	GL2765N	2.7	78.0	9.9	1.0
Great Lakes Hybrids	GL2254N	2.2	75.8	10.1	1.0
Ag Performance	AP 2718	2.7	75.4	9.8	1.0
Viking	O.2188AT12N	2.5	75.2	9.9	2.0
Viking	2155N	2.1	74.6	10.1	1.0
Ag Performance	AP 2215	2.2	74.4	9.9	1.0
Ag Performance	AP 2218	2.2	73.7	9.8	1.0
Miller Hybrids	2668	2.6	72.7	9.3	1.0
Ag Performance	AP 2918	2.9	71.5	11.1	1.0
Check	CHECK	1.4	71.2	9.6	1.0
Viking	2322N	2.3	70.6	9.9	2.0
Viking	O.2446	2.4	69.3	9.8	1.0
SD AES	DAVISON	2.2	69.1	9.8	1.3
Miller Hybrids	2368	2.3	68.3	9.9	1.5
Richland IFC	MK373	2	66.9	10.1	1.0
Viking	O.2023	2	64.9	9.9	1.0
Trial Average			72.0	9.9	1.2
LSD (0.05)†			2.6	0.4	0.3
C.V.‡			2.5	2.6	-

* 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.

Brookings

Location: SDSU (57007) Brookings County, SD
(GPS: 44.319737, -96.771296)

Cooperator: SDSU Research Farm - Jack Ingemansen, manager

Soil Type: Barnes clay loam, 0-2% slopes

Fertilizer: None

Previous crop: Corn

Tillage: Conventional

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: 1 pt Dual II Magnum (metolachlor)
Post: 0.125 oz Harmony SG (thifensulferon)

Insecticide: None

Date seeded: 5/31/2017

Date harvested: 10/19/2017

Table 3. Conventional soybean variety performance results (average of 4 replications sorted by yield) - Maturity Group 0 at Brookings, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Check	CHECK	1.4	65.1	9.2	1.0
SD AES	ROBERTS	0.6	58.0	9.2	2.3
SD AES	CODINGTON	0.9	55.6	9.6	1.0
Richland IFC	MK808CN	0.8	52.5	9.7	3.5
MN AES	MN0810CN	0.8	51.5	9.3	3.0
Richland IFC	MK0603	0.6	51.2	9.4	4.3
Richland IFC	MK0508	0.8	49.6	9.5	4.5
Richland IFC	MK42	0.7	44.3	9.4	3.3
Trial Average			53.5	9.4	2.8
LSD (0.05)†			3.8	0.3	0.8
C.V.‡			4.8	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 4. Conventional soybean variety performance results (average of 4 replications sorted by yield) - Maturity Group 2 at Brookings, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Viking	2155N	2.1	67.5	9.6	1.3
Ag Performance	AP 2215	2.2	67.3	9.8	1.5
Check	CHECK	1.4	65.9	9.0	1.0
Miller Hybrids	2368	2.3	61.7	9.4	3.0
Ag Performance	AP 2218	2.2	59.1	9.3	1.3
SD AES	DAVISON	2.2	59.0	9.2	1.0
Richland IFC	MK373	2.0	58.0	9.3	1.3
Viking	O.2023	2.0	56.9	9.2	1.0
Trial Average			61.9	9.3	1.4
LSD (0.05)†			2.9	0.3	0.4
C.V.‡			3.1	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.

Table 5. Conventional soybean variety performance results (average of 4 replications sorted by yield) - Maturity Group 1 at Brookings, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Check	CHECK	1.4	66.9	8.8	1.0
Viking	1518N	1.5	65.3	9.0	1.0
Ag Performance	AP 1515	1.5	65.2	9.0	1.0
Halls Seed	HBK69BL	1.9	63.6	8.9	1.5
Halls Seed	H69P2	1.9	63.2	8.9	1.0
Viking	1218N	1.2	62.8	8.9	1.0
Viking	O.1202N	1.2	61.7	8.8	1.3
SD AES	BROOKINGS	1.7	61.4	9.1	1.5
MN AES	MN1613CN	1.6	60.8	9.0	2.3
Ag Performance	AP 1816	1.8	60.7	9.3	2.5
Richland IFC	MK41	1.4	60.3	9.1	1.0
Ag Performance	AP 1216	1.2	58.9	8.8	1.0
Miller Hybrids	1968	1.9	58.6	9.6	1.3
Brushvale	BS1146	1.1	58.4	9.2	1.0
MN AES	MN1806CN	1.8	56.8	9.5	3.0
Brushvale	BS1512	1.4	56.3	8.8	1.8
MN AES	MN1312CN	1.3	54.3	8.9	1.0
Richland IFC	MK9101	1.0	44.1	10.0	1.5
Richland IFC	MK1016	1.0	41.5	9.2	2.0
Trial Average			59.0	9.1	1.4
LSD (0.05)†			3.4	0.3	0.7
C.V.‡			4.1	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.

South Shore

Location: 8.5 miles west of South Shore (57263) in Codington County, SD
(GPS: 45.106822, -97.099983)

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: 0.125 oz Harmony SG (thifensulfuron)

Insecticide: None

Date seeded: 5/26/2017

Date harvested: 10/18/2017

Table 6. Conventional soybean variety performance results (average of 4 replications sorted by yield) - Maturity Group 0 at South Shore, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Check	CHECK	1.4	69.4	9.9	1.0
SD AES	ROBERTS	0.6	62.8	9.8	1.3
SD AES	CODINGTON	0.9	61.0	10.3	1.3
MN AES	MN0810CN	0.8	59.1	10.1	2.0
Richland IFC	MK0603	0.6	55.5	10.3	3.0
Richland IFC	MK808CN	0.8	53.4	10.4	1.5
Richland IFC	MK0508	0.8	52.8	10.5	2.8
Richland IFC	MK42	0.7	52.6	10.0	1.5
Trial Average			58.3	10.2	1.8
LSD (0.05)†			2.1	0.2	0.6
C.V.‡			2.5	1.3	-

* 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 7. Conventional soybean variety performance results (average of 4 replications sorted by yield) - Maturity Group 1 at South Shore, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Check	CHECK	1.4	68.1	9.9	1.0
MN AES	MN1613CN	1.6	66.5	10.0	1.3
Ag Performance	AP 1515	1.5	65.3	10.0	1.0
Ag Performance	AP 1216	1.2	65.2	9.9	1.0
Viking	O.1202N	1.2	65.0	9.8	1.0
Miller Hybrids	1268	1.2	64.8	10.0	1.0
Viking	1218N	1.2	64.8	9.9	1.0
Viking	1518N	1.5	64.7	10.1	1.3
Halls Seed	H69P2	1.9	62.7	10.3	1.5
Richland IFC	MK41	1.4	62.5	10.1	1.0
Brushvale	BS1146	1.1	60.9	10.0	1.0
Halls Seed	HBK69BL	1.9	60.8	10.3	1.5
SD AES	BROOKINGS	1.7	60.5	10.1	1.0
Ag Performance	AP 1816	1.8	59.9	10.9	1.3
MN AES	MN1806CN	1.8	59.3	10.8	1.5
MN AES	MN1312CN	1.3	58.2	9.9	1.0
Brushvale	BS1512	1.4	58.1	9.9	1.0
Richland IFC	MK9101	1.0	47.9	10.9	1.3
Richland IFC	MK1016	1.0	45.6	10.3	1.5
Trial Average			61.1	10.2	1.2
LSD (0.05)†			2.6	0.3	0.5
C.V.‡			3.0	1.8	-

* 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.

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