



2014 South Dakota Soybean Variety Trial Results - Volga

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Location: 1.5 mile south of Volga (57101) in Brookings County, SD
(GPS: N 44°17.915' W 096°55.393')

Cooperator: SDSU Volga Research Farm - Jack Ingemansen, manager

Soil Type: Brandt silty clay loam, 0-2% slope

Fertilizer: none

Previous crop: Spring wheat

Tillage: Conventional

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: Dual II
Post: Glyphosate

Date seeded: 5/19/2014

Date harvested: 10/6/2014 (Groups 0&1), 10/13/14 (Group 2)

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Peterson Farms Seed	13R08N	0.8	64.1	11.2	1.0
Titan Pro	15M22	1.5	62.9	11.5	1.3
Peterson Farms Seed	14R13	1.3	62.7	11.1	1.0
Sodak Genetics	SD2172R2Y	1.7	61.2	11.0	2.0
Prairie Brand	PB-1611R2	1.6	61.1	12.0	1.0
Wensman	W 3195NR2	1.9	60.6	12.0	2.0
Sodak Genetics	SD2091R2Y	0.9	60.2	10.9	2.0
Wensman	W 3160NR2	1.6	59.9	11.4	1.3
Nutech/G2 Genetics	7157	1.5	59.7	10.9	1.3
Check	Check	1.7	59.5	10.9	1.3
Wensman	W 3140R2	1.5	59.2	11.6	2.0
Wensman	W 3128R2	1.2	59.2	11.1	1.0
Peterson Farms Seed	15R14N	1.4	58.9	11.0	1.0
Nutech/G2 Genetics	7104	1.0	58.8	11.2	1.3
Nutech/G2 Genetics	6143	1.4	58.7	10.8	1.7
Prairie Brand	PB-1566R2	1.5	58.6	12.1	1.3
NK Brand	S14-J7	1.4	58.4	11.2	1.0
Nutech/G2 Genetics	6112	1.1	58.3	11.4	1.7
Peterson Farms Seed	14R09N	0.9	58.1	11.4	2.0
NK Brand	S15-P1	1.5	58.1	11.8	1.3
Channel	1308R2	1.3	57.8	11.1	2.0
Prairie Brand	PB-1466R2	1.4	57.8	11.2	2.0
Prairie Brand	PB-1947R2	1.9	57.6	11.5	1.3
Hefty	EXP H17R5	1.7	57.4	15.1	2.0
Dairyland Seeds	DSR-1515/R2Y	1.5	57.4	10.9	1.7
Channel	1808R2	1.8	56.9	13.6	2.0
Renk	RS195NR2	1.9	56.9	11.9	1.3
REA Hybrids	78G12	1.8	56.8	11.5	1.7
REA Hybrids	R1515	1.5	56.7	11.8	1.7
Wensman	W 3158NR2	1.5	56.6	11.0	1.0
Trial Average			57.0	12.0	1.5
LSD (0.05)†			3.0	0.8	-
C.V.‡			3.3	4.4	-

* 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.

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Titan Pro	TP-17R54	1.7	56.4	12.9	2.0
NK Brand	S19-Z9	1.9	55.8	19.0	2.3
Peterson Farms Seed	12R12	1.1	55.7	11.2	2.0
Prairie Brand	PB-1956R2	1.9	55.7	16.7	2.0
Sodak Genetics	SD2101R2Y	1.0	55.4	10.9	1.0
Proseed	30-18	1.8	55.3	11.9	1.7
Peterson Farms Seed	14R11N	1.1	55.2	11.0	1.0
Channel	1508R2	1.5	55.0	11.9	1.3
REA Hybrids	75G12	1.5	54.4	11.1	1.0
Renk	RS175NR2	1.7	54.3	13.6	1.7
REA Hybrids	R1815	1.8	54.3	13.2	1.0
Stine	19RF32	1.9	54.1	11.8	1.0
Pioneer	P19T60R	1.9	54.0	11.2	2.0
Prairie Brand	PB-1822R2	1.8	53.8	11.9	1.3
Renk	RS183NR2	1.8	53.8	12.3	1.0
Prairie Brand	PB-1794R2	1.7	52.8	12.4	1.3
Pioneer	P16T04R	1.6	52.8	12.2	1.3
Wensman	W 3170NR2	1.7	52.6	11.7	1.7
Hefty	EXP H18R5	1.8	52.5	11.5	1.3
Dairyland Seeds	DSR-1990/R2Y	1.9	52.4	15.7	2.3
Stine	14RF06	1.4	52.0	11.4	1.3
Trial Average			57.0	12.0	1.5
LSD (0.05)†			3.0	0.8	-
C.V.‡			3.3	4.4	-

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

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
NK Brand	S20-T6	2.0	58.3	11.4	1.0
Check	Check	1.7	58.2	11.3	1.0
Wensman	W 3200NR2	2.0	55.4	11.5	1.0
Proseed	30-21	2.1	54.3	11.6	1.0
Prairie Brand	EXP-1947R2	2.0	53.7	11.6	1.0
REA Hybrids	80G11	2.0	53.4	11.9	1.0
Prairie Brand	PB-2600R2	2.6	53.1	12.6	1.0
Channel	2108R2	2.1	53.1	12.3	1.0
Pioneer	P25T51R	2.5	53.0	14.9	1.0
Federal Hybrids	F230RR2Y	2.3	52.8	12.8	1.3
Renk	RS213NR2	2.1	52.6	12.1	1.0
Prairie Brand	PB-2024R2	2.0	51.9	11.7	1.0
Hefty	H21Y11	2.1	51.9	11.6	1.0
Pioneer	P22T69R	2.2	51.5	11.8	1.0
Nutech/G2 Genetics	7216	2.1	51.5	11.8	1.0
Pioneer	P21T66R2	2.1	51.2	12.0	1.3
Hefty	H23R5	2.3	51.2	11.9	1.3
REA Hybrids	R2115	2.1	51.0	12.4	1.3
Prairie Brand	PB-2230R2	2.2	50.9	12.0	1.0
Titan Pro	20M1	2.0	50.7	11.5	1.0
Prairie Brand	PB-2319R2	2.3	50.6	11.9	1.0
Great Lakes Hybrids	2469R2	2.4	50.4	12.1	1.0
Federal Hybrids	F224NRR2Y	2.2	49.9	11.9	1.0
Hefty	H20R5	2.0	49.8	11.9	1.0
Pioneer	P22T61R	2.2	49.7	11.7	1.0
Nutech/G2 Genetics	7204R2	2.0	49.4	12.0	1.0
Great Lakes Hybrids	2289R2	2.2	48.9	11.4	1.0
Nutech/G2 Genetics	7233	2.3	48.2	11.9	1.0
Prairie Brand	PB-2188R2	2.1	47.9	12.1	1.3
Prairie Brand	PB-2556R2	2.5	43.1	13.7	1.3
Trial Average			51.6	12.0	1.1
LSD (0.05)†			2.9	0.5	0.4
C.V.‡			3.4	2.3	-

* 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.