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Location: 1.5 miles south of Volga (57071) in Brookings County
(GPS: UTM 14N, 665888 m East 4907622 m North)
Cooperator: SDSU Volga Research Farm – Doug Doyle and staff
Soil Type: Brandt silty clay loam, 0-2% slope, non-irrigated
Soil Test: 4.9 % OM, 5.7 pH, 50 ppm P (Bray-P1), 143 ppm K, 1.8 ppm Zn
Previous Crop: Spring wheat
Tillage: Conventional
Row Spacing: 30 inches
Seeding Rate: 165,000/acre
Pest Management: Dual – Pre, Glyphosate – Post
Date seeded/harvested: Jun. 3/ Oct. 1 (Mat. Grp 0s, 1s) & Oct. 9 (Mat. Grp 2s)

2013 Soybean Variety Trial Results – Volga

Table 1a. Glyphosate-resistant soybean variety performance results (average of 3 replications sorted by yield) – Maturity Group 0 to 1 Trial at Volga (13 Brands, 46 varieties).						
Varietal Information			Measurements			
Brand	Variety	Maturity Rating	Yield Bu/A (13%)	Moisture %	Lodging Score	Days to Maturity
Proseed	PX11	1.1	53.9	8.1	1.0	109
Sodak Genetics	SD2091R2Y	0.9	51.5	8.1	1.0	103
Hefty	EXP H17R4	1.7	51.4	9.0	1.0	112
Sodak Genetics	SD2101R2Y	1.0	51.4	8.1	1.0	106
Sodak Genetics	SD2081R2Y	0.8	51.2	8.0	1.0	106
Proseed	2-140	1.4	50.1	8.5	1.0	109
Rea	71G20	1.1	49.8	8.3	1.0	106
Dairyland	DSR-1515/R2Y	1.5	49.6	8.2	1.0	109
Asgrow	AG1733	1.7	49.3	8.1	1.0	110
Prairie Brand	PB-1539R2	1.5	49.0	8.5	1.0	110
Channel	1405R2	1.4	49.0	8.5	1.0	109
Proseed	PX12	1.2	48.8	8.4	1.0	109
Prairie Brand	PB-1481R2	1.4	48.7	8.4	1.7	110
Rea	71G14	1.1	48.4	8.4	1.3	108
Mustang	12224	1.2	47.9	8.3	1.0	106
Asgrow	AG1431	1.4	47.7	8.2	1.0	108
Wensman	W 3160NR2	1.6	47.3	8.3	1.0	110
Channel	1805R2	1.8	47.3	8.7	1.0	112
Prairie Brand	PB-1611R2	1.6	47.0	8.9	1.0	111
Sodak Genetics	SD2179	1.7	46.6	8.3	1.0	113
Dairyland	DSR-1808/R2Y	1.8	46.6	8.5	1.0	111
Prairie Brand	EXP13151R2	1.5	46.2	8.5	1.0	109
Stine	16RD66	1.6	46.1	8.2	1.0	110
Mustang	14323	1.4	46.0	8.1	1.0	109
Rea	73G13	1.3	45.8	8.2	2.0	109
Prairie Brand	PB-1722R2	1.7	45.6	8.6	1.0	111
Wensman	W 3140R2	1.5	45.5	8.3	1.0	107
Prairie Brand	PB-1566R2	1.5	45.4	8.3	1.0	110
Renk	RS183NR2	1.8	45.3	8.3	1.0	112
Prairie Brand	PB-1982R2	1.9	44.8	8.6	1.0	112
Rea	75G12	1.5	44.3	8.2	1.0	107
Stine	14RD62	1.4	44.2	8.2	1.0	110
Prairie Brand	PB-1843R2	1.8	43.7	8.1	1.0	111
Sodak Genetics	SD2102R2Y	1.0	43.5	8.3	1.0	108
Asgrow	AG1534	1.5	43.5	8.3	1.0	107
Trial Average			45.9	8.4	1.0	109
LSD (0.05)			4.5	0.5	0.4	1
C.V.			6.0	3.5	16.6	0.6

† Yield, moisture, lodging or days to maturity value required (\geq LSD) to determine if varieties are different from each other with confidence

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.

2013 Soybean Variety Trial Results – Volga

Table 1b. Glyphosate-resistant soybean variety performance results (average of 3 replications sorted by yield) – Maturity Group 0 to 1 Trial at Volga (13 Brands, 46 varieties).

Varietal Information			Measurements			
Brand	Variety	Maturity Rating	Yield Bu/A (13%)	Moisture %	Lodging Score	Days to Maturity
Stine	20RD20	1.9	43.0	8.6	1.0	114
Proseed	PX18	1.8	42.9	8.3	1.0	112
-	CHECK	1.8	42.5	8.2	1.0	109
Pioneer	91Y90	1.9	42.5	8.8	1.0	111
Pioneer	P19T60R	1.9	42.3	8.4	1.3	110
Prairie Brand	PB-1591R2	1.5	42.0	8.6	1.0	108
Hefty	EXP H16R4	1.6	41.6	8.1	1.0	110
Prairie Brand	PB-2042R2	1.9	41.2	8.6	1.0	112
Sodak Genetics	SD2172R2Y	1.7	40.2	8.3	1.0	107
Rea	78G12	1.8	37.5	8.3	1.0	112
Sodak Genetics	SD2182R2Y	1.8	35.1	8.2	1.0	111
Trial Average			45.9	8.4	1.0	109
LSD (0.05)			4.5	0.5	0.4	1
C.V.			6.0	3.5	16.6	0.6

† Yield, moisture, lodging, or days to maturity value required (\geq LSD) to determine if varieties are different from each other with confidence

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2013 Soybean Variety Trial Results – Volga

Table 2a. Glyphosate-resistant soybean variety performance results (average of 3 replications sorted by yield) – Maturity Group 2 Trial at Volga (11 Brands, 37 varieties).						
Varietal Information			Measurements			
Brand	Variety	Maturity Rating	Yield Bu/A (13%)	Moisture %	Lodging Score	Days to Maturity
Prairie Brand	PB-2136R2	2.1	51.4	10.5	1.0	116
-	CHECK	1.8	50.0	10.1	1.0	111
Pioneer	P25T51R	2.5	48.9	11.0	1.0	117
Dairyland	DSR-2105/R2Y	2.1	48.6	10.6	1.0	116
Channel	2207R2	2.2	48.6	10.3	1.0	114
Renk	RS213NR2	2.1	48.5	10.5	1.0	116
Mustang	21993	2.1	47.8	10.3	1.0	115
Pioneer	P22T69R	2.2	47.5	10.6	1.0	114
Prairie Brand	EXP 13241	2.3	47.0	10.8	1.0	118
Asgrow	AG2134	2.1	46.7	10.4	1.0	114
Prairie Brand	PB-2230R2	2.3	46.7	10.5	1.0	116
Pioneer	92Y51	2.5	46.6	10.6	1.3	118
Asgrow	AG2031	2.0	46.3	10.6	1.0	112
Wensman	W 3222NR2	2.2	45.4	10.3	1.0	113
Wensman	W 3200NR2	2.0	45.4	10.3	1.0	112
Prairie Brand	PB-2024R2	2.0	44.6	10.9	1.0	113
Hefty	H20Y12	2.1	44.3	10.2	1.0	112
Proseed	PX21	2.1	44.2	10.5	1.0	112
Rea	82G14	2.2	43.4	10.6	1.0	114
Rea	80G11	2.0	43.0	10.5	1.0	114
Prairie Brand	PB-2419RR2	2.3	42.5	10.4	1.0	117
Prairie Brand	PB-2506R2	2.5	42.0	10.5	1.0	114
Wensman	W 3214NR2	2.1	41.7	10.2	1.0	115
Prairie Brand	PB-2351R2	2.3	41.6	10.4	1.0	112
Pioneer	P24T19R	2.4	40.9	10.9	1.3	116
Wensman	W 3230R2	2.3	40.4	10.2	1.0	112
Hefty	H20R3	2.0	40.3	10.4	1.0	112
Channel	2105R2	2.1	40.3	10.9	1.3	117
Prairie Brand	PB-2544R2	2.5	40.1	11.1	1.0	116
Hefty	H23Y10	2.9	39.9	10.5	1.0	116
Hefty	EXP H28R4	2.8	39.6	10.7	1.0	118
Renk	RS224NR2	2.2	39.5	10.5	1.0	112
Prairie Brand	PB-2668R2	2.6	39.2	10.6	1.0	116
Hefty	H26R3	2.6	37.9	10.7	1.0	116
Prairie Brand	PB-2650R2	2.5	37.9	10.8	1.0	115
Trial Average			43.5	10.6	1.0	114
LSD (0.05)			3.8	0.4	0.3	1
C.V.			5.4	2.3	16.0	0.6

† Yield, moisture, lodging or days to maturity value required (\geq LSD) to determine if varieties are different from each other with confidence

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2013 Soybean Variety Trial Results – Volga

Table 2b. Glyphosate-resistant soybean variety performance results (average of 3 replications sorted by yield) – Maturity Group 2 Trial at Volga (11 Brands, 37 varieties).

Varietal Information			Measurements			
Brand	Variety	Maturity Rating	Yield Bu/A (13%)	Moisture %	Lodging Score	Days to Maturity
Hefty	H26R3S	2.6	36.1	10.7	1.0	115
Hefty	H23R3	2.9	35.0	10.5	1.0	114
Trial Average			43.5	10.6	1.0	114
LSD (0.05)			3.8	0.4	0.3	1
C.V.			5.4	2.3	16.0	0.6

† Yield, moisture, lodging, or days to maturity value required (\geq LSD) to determine if varieties are different from each other with confidence

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