



2014 South Dakota Corn Hybrid Trial Results - Bancroft

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Location: 4 miles north and 1/2 mile west of Bancroft (57353) in Kingsbury County
(GPS: N 44°31.091' W 097°45.244)

Cooperator: Weerts Farm, Inc.

Soil Type: Houdek-Stickney loam, 0-2% slope, non-irrigated

Fertilizer: 170-40-0 preplant; 30-10-10 starter

Yield Goal: 170 bu/ac

Previous crop: Soybeans

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 31,400/acre

Herbicide: Pre: Dual (fall-applied)
Post: Halex GT, Status

Date seeded: 5/15/2014

Date harvested: 11/3/2014

Table 1a. Glyphosate-resistant corn hybrid variety performance results (average of 4 replications) - **Early Season Trial (100 day maturity or less)** at Bancroft, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Nutech/G2 Genetics	5F-399	99	214.4	14.4	56.2	0.4	28100
Channel	197-68STXRIB	97	209.4	15.5	58.5	0.4	29600
Pioneer	P9917AMX	99	207.3	15.6	59.3	0.0	29600
Great Lakes Hybrids	4879STXRIB	98	206.4	15.4	57.9	0.0	26700
Check	CHECK	99	205.1	15.4	59.5	0.0	28500
Proseed	1399 AGT3000	99	205.0	16.4	57.3	2.0	27700
Wensman	W 90979STX	97	203.4	15.7	58.9	0.0	28200
Peterson Farms Seed	81W95	95	202.1	14.1	57.7	0.0	28600
Pioneer	P9526AMX	95	202.1	14.9	59.2	3.3	28600
Wensman	W 70975VT3PRIB	97	202.1	14.5	59.8	0.4	28600
Wensman	W 9288STXRIB	98	201.0	15.4	56.1	0.4	28300
Nuseed	9505 VT2P	95	200.8	14.7	59.8	1.5	27900
Wensman	W 7290VT3PRIB	99	199.7	14.4	59.7	0.0	27400
Channel	200-48STXRIB	100	198.6	15.7	57.9	0.8	27600
Federal Hybrids	5050 SSTAX	100	198.6	14.6	59.0	0.4	28700
Federal Hybrids	4540 VT3P RIB	95	198.3	15.6	57.7	0.0	29000
REA Hybrids	5A993-RIB	99	198.2	16.2	59.3	1.2	28000
Federal Hybrids	4640 VT3P RIB	96	198.1	15.4	59.9	0.4	28100
Legend Seeds	LR 9599 GENSSRIB	99	196.9	15.1	58.5	0.0	28400
Legend Seeds	LR 9391 GENSSRIB	91	196.8	14.0	58.7	0.4	29300
Pioneer	P9703AMX	97	196.2	16.3	58.3	1.2	28100
REA Hybrids	4A974-RIB	97	195.7	15.9	58.2	0.0	27100
Channel	195-58STXRIB	95	194.5	13.6	56.6	0.4	27300
Nutech/G2 Genetics	5F-200	100	193.1	15.8	58.3	2.0	26500
REA Hybrids	5A992-RIB	99	193.0	14.7	57.0	0.4	28400
REA Hybrids	4A972-RIB	97	192.5	14.1	57.9	0.0	28600
Wensman	W 90941STX	94	192.4	13.7	57.9	0.0	26800
Renk	RK596SSTX	98	192.3	14.3	57.8	0.4	27800
Renk	RK605SSTX	100	192.0	14.8	58.5	0.4	28300
Legend Seeds	LR 9394 GENSSRIB	91	191.5	16.5	59.3	0.7	28900
Trial Average			195.3	15.0	58.2	0.7	28000
LSD (0.05)†			12.2	0.7	1.0	1.5	1400
C.V.‡			4.5	3.5	1.2	-	3.5

* Lodging percentage - stalks broken below the ear as a percentage of final stand.

† 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 1b. Glyphosate-resistant corn hybrid variety performance results, continued (average of 4 replications) - **Early Season Trial (100 day maturity or less)** at Bancroft, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Proseed	PX 96 SS RIB	96	191.2	14.8	57.7	0.0	28500
Nuseed	9904 VT2P	99	190.8	15.0	57.3	1.5	28500
Peterson Farms Seed	55S96	96	190.6	14.5	59.8	0.4	26500
Wensman	W 90967STXRIB	96	190.1	15.1	58.6	0.0	27800
Proseed	1396 VT3P RIB	96	188.5	14.6	58.9	0.0	28600
Dairyland Seed	DS-9900SSX	100	188.0	13.7	53.6	6.0	27200
Nutech/G2 Genetics	5X-698	98	187.5	14.6	58.3	1.5	29700
Nuseed	9504 VT3P RIB	95	187.1	15.5	59.3	1.3	24100
Legend Seeds	LR 9496 GENSSRIB	96	184.4	14.2	58.8	0.8	28500
Renk	RK581SSTX	100	183.7	16.3	57.1	0.8	25800
Dairyland Seed	DS-9796	96	182.7	15.8	58.5	0.8	28400
Titan Pro	TP 39-98 SS	98	180.3	14.1	57.6	0.4	26500
Peterson Farms Seed	88A97	97	175.9	14.2	56.9	0.0	24300
Trial Average			195.3	15.0	58.2	0.7	28000
LSD (0.05)†			12.2	0.7	1.0	1.5	1400
C.V.‡			4.5	3.5	1.2	-	3.5

* Lodging percentage - stalks broken below the ear as a percentage of final stand.

† 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. Glyphosate-resistant corn hybrid variety performance results (average of 4 replications) - **Late Season Trial (101 day maturity or more)** at Bancroft, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Check	CHECK	99	209.3	14.4	58.7	0.4	28700
Pioneer	P0533AM1	105	208.3	17.3	59.0	0.4	28200
Pioneer	P0297AMX	102	204.6	16.8	57.7	1.9	28200
Nutech/G2 Genetics	5H-502	102	199.8	14.9	58.3	0.0	27100
REA Hybrids	5A029-RIB	102	197.8	15.3	57.2	0.0	29000
Titan Pro	TP 39-05 SS	105	197.2	17.2	57.0	5.7	28300
Nutech/G2 Genetics	5H-905	105	197.1	16.0	57.0	0.8	26600
Great Lakes Hybrids	5283STXRIB	102	195.7	16.5	57.1	0.4	27300
Titan Pro	TP 35-01 2P	101	195.1	15.5	56.9	0.8	27100
Pioneer	P0193AM	101	195.0	14.5	56.5	0.8	26200
Proseed	13101 SS	101	194.7	15.5	57.6	0.4	27900
Titan Pro	2M04-2P	104	194.1	17.3	56.2	2.4	28000
Wensman	W 91011STXRIB	101	193.6	16.0	57.6	0.8	27800
Nutech/G2 Genetics	EXP 5Z-0106	101	192.7	14.8	56.3	0.4	26500
Titan Pro	TP 39-02 SS	102	191.7	15.5	56.4	0.8	27300
REA Hybrids	5A022-RIB	102	190.7	14.7	57.2	1.6	27300
Nutech/G2 Genetics	5H-806	106	190.7	16.6	57.9	1.4	24600
Titan Pro	TP31-01 3011A	101	190.3	16.6	57.8	0.8	28500
Nuseed	3014 VT2P	101	190.1	15.5	56.3	1.2	27200
Nutech/G2 Genetics	5F-805	105	189.8	16.7	57.6	0.4	26900
REA Hybrids	6A032-RIB	103	188.0	16.3	56.7	0.8	27100
Channel	202-64STXRIB	102	187.3	16.1	57.5	0.8	27100
Wensman	W 9325STXRIB	102	185.5	16.3	57.0	0.4	24500
Great Lakes Hybrids	5428STXRIB	104	185.5	15.5	57.9	0.4	26800
Channel	201-39STXRIB	101	185.4	15.1	56.7	0.0	28000
Federal Hybrids	5240 SSTAX RIB	102	184.5	16.0	57.2	0.4	27300
Renk	RK666SSTX	102	184.2	15.6	56.7	0.0	25800
Peterson Farms Seed	84Y01	101	180.3	15.5	56.9	0.0	25800
Nutech/G2 Genetics	5Z-002	102	176.5	16.5	57.5	17.7	26400
Trial Average			192.6	15.8	57.3	1.4	27200
LSD (0.05)†			13.5	0.7	0.9	2.2	1600
C.V.‡			5.0	3.1	1.1	-	4.1

* Lodging percentage - stalks broken below the ear as a percentage of final stand.

† Yield or moisture value required (\geq LSD) to determine if varieties are significantly different from one another.

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