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Location: 2.5 miles north of Bancroft (57353) in Kingsbury County  
(GPS: 44.519032, -97.753749)

Cooperator: Weerts Farm, Inc.

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

Fertilizer: 140-0-0 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: Harness (acetochlor)  
Post: Roundup PowerMax (glyphosate) + TripleFlex (acetochlor + flumetsulam +  
clopyralid) + Status (dicamba + diflufenzopyr)

Date seeded: 5/5/2015

Date harvested: 10/22/2015

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)
Peterson Farms Seed	PFS55S96	96	<b>177.9</b>	15.6	58.7	0.4	28000
Wensman	W70975VT3PRIB	97	<b>177.3</b>	15.1	58.6	0.0	29200
Nutech/G2 Genetics	5F-198	98	<b>177.1</b>	15.2	55.4	0.0	28300
Pioneer	P9929AM	99	<b>176.8</b>	16.1	58.3	0.4	28500
Nutech/G2 Genetics	5F-196	96	<b>175.4</b>	15.8	56.5	0.4	26100
Federal Hybrids	4440 VT3P	94	<b>175.1</b>	15.2	58.4	0.0	29000
Thunder Seed	4695 RR	95	<b>174.1</b>	15.9	58.6	0.0	29000
Wensman	W81007STX	100	<b>174.0</b>	19.1	59.7	0.0	29300
Channel	197-50STXRIB	97	<b>173.9</b>	16.9	56.8	0.0	25600
Check	Check	99	<b>172.8</b>	16.1	59.0	0.8	28000
Proseed	1399A GT3000	99	<b>172.3</b>	15.4	57.0	2.7	24000
Rea Hybrids	4A972-RIB	97	<b>171.5</b>	15.7	58.4	0.0	29500
Federal Hybrids	4540 VT3P	95	<b>171.4</b>	16.7	58.3	0.4	28300
Federal Hybrids	4640 VT3P	96	<b>171.2</b>	15.7	58.9	0.0	29200
Nuseed	9504 VT3P RIB	95	<b>171.1</b>	15.9	58.9	0.0	31000
Federal Hybrids	4240 VT2P	92	<b>170.6</b>	15.0	58.5	0.0	29400
Proseed	1495SS	95	<b>170.6</b>	16.7	58.3	0.4	28900
Dairyland Seed	DS-9198	98	<b>169.5</b>	16.2	55.9	0.0	29100
Great Lakes Hybrids	4879STXRIB	98	<b>169.2</b>	17.7	57.6	0.0	28600
Federal Hybrids	4160 VT2P	91	<b>168.9</b>	14.5	56.9	0.4	28500
Rea Hybrids	4A962-RIB	96	<b>168.7</b>	16.4	59.3	0.0	28500
Nuseed	9904 VT2P RIB	99	<b>168.7</b>	17.1	58.6	0.0	27700
Rea Hybrids	5A981-RIB	98	<b>168.2</b>	16.0	58.9	0.0	29700
Wensman	W9288STXRIB	98	<b>167.9</b>	16.7	56.3	0.4	28400
Thunder Seed	7396 VT2PRIB	96	<b>167.3</b>	14.8	58.5	0.0	29000
Rea Hybrids	5A992-RIB	99	<b>167.0</b>	17.7	57.8	0.0	29900
Legend Seeds	LR 9397 VT3PRIB	97	<b>167.0</b>	16.1	58.5	0.0	30200
Channel	200-48STXRIB	100	<b>166.7</b>	18.3	56.8	0.0	28400
Wensman	W90962STX	96	<b>166.6</b>	14.0	57.2	0.0	29400
Federal Hybrids	4250 VT2P	92	<b>166.4</b>	13.9	57.8	0.0	28600
<b>Trial Average</b>			165.4	16.4	57.9	0.4	28500
<b>LSD (0.05)†</b>			15.0	1.3	1.1	1.5	1000
<b>C.V.‡</b>			6.5	5.8	1.3	-	2.5

\* 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)
Nutech/G2 Genetics	5F-200	100	166.2	19.2	57.8	4.7	28100
Dairyland Seed	DS-9599	99	164.5	16.1	56.2	2.3	28300
Thunder Seed	101-95 GENSSRIB	95	164.5	17.4	57.2	0.4	29000
Wensman	W90979STXRIB	97	163.2	15.9	59.0	1.5	29100
Renk Seed	RK596SSTX	98	162.2	15.6	56.9	0.0	26900
Thunder Seed	101-97 GENSSRIB	97	161.6	15.0	57.4	0.4	29300
Federal Hybrids	5050 VT2P	100	160.8	16.9	57.7	0.4	28400
Rea Hybrids	5A993-RIB	99	160.3	17.3	59.8	0.8	29000
Thunder Seed	6600 VT2PRIB	100	159.8	19.5	57.5	0.0	27400
Wensman	W90994STX	99	159.7	16.1	57.0	0.0	27700
Proseed	1496 SS	96	159.1	15.8	57.7	0.0	27400
Great Lakes Hybrids	4548STXRIB	95	158.0	15.9	60.1	1.5	28400
Rea Hybrids	5A000-RIB	100	153.7	18.1	56.8	0.0	30100
Legend Seeds	LR 9497 GENSSRIB	97	153.6	16.5	58.8	0.0	28700
Renk Seed	RK612SSTX	100	151.8	15.5	56.9	0.0	29300
Great Lakes Hybrids	5015STXRIB	100	150.4	19.2	57.9	0.0	28500
Channel	197-68STXRIB	98	150.1	16.6	58.3	0.8	28100
Peterson Farms Seed	PFS81W95	95	148.1	14.5	56.9	0.0	29000
Legend Seeds	LR 9600 GENSSRIB	100	147.6	16.9	56.8	1.1	28900
<b>Trial Average</b>			165.4	16.4	57.9	0.4	28500
<b>LSD (0.05)†</b>			15.0	1.3	1.1	1.5	1000
<b>C.V.‡</b>			6.5	5.8	1.3	-	2.5

\* 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.

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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)
Nutech/G2 Genetics	5F-701	101	<b>183.5</b>	17.1	58.4	0.3	28600
Pioneer	P0339AM	103	<b>182.9</b>	19.2	58.0	0.8	28500
Dairyland Seed	DS-9701	101	<b>181.5</b>	15.1	56.5	0.0	28100
Federal Hybrids	5250 SSTAX	102	<b>174.0</b>	17.8	57.9	0.0	27800
Wensman	W9325STXRIB	102	<b>173.4</b>	15.3	57.4	0.0	28000
Check	Check	99	<b>172.7</b>	16.0	58.6	0.3	28400
Pioneer	P0589AM	105	<b>171.8</b>	20.0	57.7	0.0	28100
Proseed	13101 SS	101	<b>171.5</b>	17.0	57.5	0.5	28200
Federal Hybrids	5245 VT2P	102	<b>171.3</b>	19.6	56.0	0.0	27100
Legend Seeds	LR 94A01 GTA	101	<b>169.4</b>	15.1	57.1	0.8	28000
Great Lakes Hybrids	5283STXRIB	102	<b>169.2</b>	18.1	56.9	0.3	27300
Rea Hybrids	5A022-RIB	102	168.0	17.2	56.8	0.0	27100
Rea Hybrids	5A029-RIB	102	167.9	15.7	57.2	0.0	28300
Rea Hybrids	6A032-RIB	103	167.7	18.7	58.4	1.0	28100
Titan Pro	TP 39-02 SS	102	166.0	16.6	56.8	0.0	26000
Dairyland Seed	DS-9905	105	166.0	21.7	54.0	1.5	27600
Federal Hybrids	5140 VT2P	101	164.8	15.6	58.5	0.0	29000
Titan Pro	TP 39-05 SS	105	164.6	22.0	56.7	0.3	27700
Channel	202-52STXRIB	102	164.5	17.0	56.2	0.3	28500
Dairyland Seed	DS-9203	103	164.4	19.7	57.0	0.3	29300
Channel	202-64STXRIB	102	162.6	18.5	58.2	0.0	28200
Wensman	W91011STXRIB	101	162.0	17.2	58.6	0.5	27900
Dairyland Seed	DS-9805	103	160.4	20.0	55.3	0.8	28600
Great Lakes Hybrids	5688STXRIB	106	160.1	19.7	57.8	1.3	26800
Titan Pro	2M04-2P	104	158.4	19.4	56.5	0.0	27900
Titan Pro	TP 58-01 2P	101	158.0	16.9	57.2	0.3	28300
Renk	RK699SSTX	105	157.6	21.1	56.8	0.0	19300
Legend Seeds	LR 9405 GENSSRIB	105	157.3	21.1	56.5	0.0	27400
Great Lakes Hybrids	5470STXRIB	104	156.5	18.1	59.6	0.0	28600
Renk	RK666SSTX	102	151.9	17.2	55.7	0.0	27100
Legend Seeds	LR 9401 GENSSRIB	101	148.4	15.9	56.5	0.1	26700
Titan Pro	TP 31-01 3011A	101	147.1	17.4	57.8	1.8	27200
<b>Trial Average</b>			165.6	18.0	57.2	0.3	27600
<b>LSD (0.05)†</b>			15.1	1.6	1.0	1.0	1100
<b>C.V.‡</b>			6.5	6.2	1.3	-	2.9

\* 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.