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Location: 3 miles south and 1 mile east of Bath (57427) in Brown county, SD
(GPS: N 45°25.187' W 098°18.480')

Cooperator: Gordon and Roger Locken Farms

Soil Type: Great Bend silt loam, 0-2% slope, non-irrigated

Fertilizer: Variable-applied preplant; 30-10-10 starter

Yield Goal: 200 bu/acre

Previous crop: Soybeans

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 31,400/acre

Herbicide: Pre: none
Post: Harness & Glyphosate (early post), Glyphosate

Date seeded: 5/20/2014

Date harvested: 10/28/2014

Table 1a. Glyphosate-resistant corn hybrid variety performance results (average of 4 replications) - **Early Season Trial (95 day maturity or less)** at Bath, 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	81W95	95	211.2	16.8	56.1	0.4	28900
Check	CHECK	99	209.2	17.3	57.5	0.0	29600
REA Hybrids	4V953-RIB	95	202.8	15.4	56.7	0.8	28900
Great Lakes Hybrids	4548STXRIB	95	202.7	16.9	58.2	0.7	29100
Federal Hybrids	4240 VT2P RIB	92	202.3	17.3	57.0	0.0	30100
Peterson Farms Seed	76S92	92	200.5	17.1	55.9	0.7	29700
Nuseed	9304 VT2P	93	199.8	17.4	57.1	1.1	29300
Pioneer	P9538AMXT	95	199.1	16.7	56.9	0.0	25600
Wensman	W 90941STX	94	198.0	16.2	55.5	1.5	29100
Peterson Farms Seed	73D91	91	197.9	16.0	57.3	0.0	27800
Federal Hybrids	4550 SSTAX	95	197.6	15.8	55.5	0.0	29700
Pioneer	P9526AMX	95	197.3	16.9	57.2	0.8	28700
REA Hybrids	3B922-RIB	92	195.7	16.0	56.9	0.0	28600
Wensman	W 80952VT2RIB	95	194.5	16.4	55.4	1.1	29400
Channel	195-58STXRIB	95	194.3	16.0	55.5	0.0	28400
Peterson Farms Seed	75T93	93	193.8	17.0	57.9	2.2	29100
Great Lakes Hybrids	4250STXRIB	92	193.5	16.6	54.5	0.4	28400
Nuseed	9001 VP3220	90	193.2	16.3	53.6	0.4	27700
REA Hybrids	4B285-RIB	93	192.7	15.5	56.0	0.4	29400
Renk	RK522SSTX	94	191.9	16.8	57.2	0.8	26800
Nutech/G2 Genetics	5V-195	95	190.6	17.3	54.5	0.0	28900
Federal Hybrids	4520 VT3P RIB	95	190.3	16.7	58.2	0.0	29900
REA Hybrids	3A929-RIB	92	189.9	16.6	56.5	0.7	29200
Nuseed	9504 VT3P RIB	95	189.6	16.9	57.6	0.0	26500
Dairyland Seed	DS-9093	93	188.3	19.2	55.7	0.0	29000
Channel	190-13VT2PRIB	90	188.1	14.9	57.7	0.0	27800
Wensman	W 90935STXRIB	93	188.1	16.8	58.4	0.0	28700
Dairyland Seed	DS-9791RA	91	187.5	17.2	55.9	0.0	29100
Nutech/G2 Genetics	5X-894	94	187.2	16.3	56.9	0.4	27600
Nuseed	9202 VT2P RIB	92	187.0	16.0	57.2	0.0	28200
Trial Average			193.1	16.7	56.7	0.5	28400
LSD (0.05)†			9.9	0.5	1.1	1.2	1100
C.V.‡			3.7	2.6	1.4	-	2.8

* 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 (95 day maturity or less)** at Bath, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Channel	191-87STXRIB	91	186.2	16.4	57.8	0.0	27200
Nuseed	9505 VT2P RIB	95	185.2	16.7	58.9	0.4	26800
Renk	RK568VT3P	95	185.0	16.6	57.9	0.0	28600
Renk	RK557SSTX	95	182.1	16.9	55.4	0.0	27600
Proseed	1295 SS	95	181.7	18.4	57.6	0.4	26700
Wensman	W 90910STXRIB	91	177.9	17.8	57.7	3.0	25600
Trial Average			193.1	16.7	56.7	0.5	28400
LSD (0.05)†			9.9	0.5	1.1	1.2	1100
C.V.‡			3.7	2.6	1.4	-	2.8

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

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Table 2a. Glyphosate-resistant corn hybrid variety performance results (average of 4 replications) - **Late Season Trial (96 day maturity or more)** at Bath, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Wensman	W 90979STX	97	209.7	17.1	56.3	1.2	28400
Pioneer	P9917AMX	99	207.4	17.5	57.7	0.0	29200
Check	CHECK	99	206.4	17.3	58.0	0.0	29200
Nutech/G2 Genetics	5F-198	98	205.8	14.4	54.0	0.0	29000
Pioneer	P0297AMX	102	204.8	19.5	54.2	0.4	28400
Channel	197-68STXRIB	97	204.0	17.2	56.0	0.4	29000
Pioneer	P9703AMX	97	203.6	17.4	54.6	1.6	27900
Federal Hybrids	4640 VT3P RIB	96	203.2	17.3	57.1	0.4	29000
Nutech/G2 Genetics	5F-399	99	201.8	16.6	54.2	0.0	28100
Federal Hybrids	5245 VT2P RIB	102	199.8	20.5	53.4	0.8	28300
Nutech/G2 Genetics	5Y-196	96	197.8	14.7	54.5	0.0	27700
REA Hybrids	4A972-RIB	97	197.7	16.2	55.6	0.0	27200
Proseed	1399A GT3000	99	197.6	18.2	54.5	1.6	27300
REA Hybrids	4A974-RIB	97	197.3	17.2	56.1	0.0	29100
Great Lakes Hybrids	5015STXRIB	100	197.2	17.1	55.9	0.0	28900
Peterson Farms Seed	55S96	96	197.1	17.0	56.6	0.4	28000
Wensman	W 70975VT3PRIB	97	196.5	16.8	56.8	1.1	29200
Nuseed	3014 VT2P	101	196.5	17.5	56.0	0.0	28000
REA Hybrids	5A992-RIB	99	195.2	17.1	53.7	0.4	28700
Proseed	13101 SS RIB	101	195.1	17.9	54.4	0.0	27900
Pioneer	P0193AM	101	195.0	17.6	53.4	0.0	27600
Federal Hybrids	5240 SSTAX RIB	102	194.7	18.4	54.1	0.0	27000
Wensman	W 9288STXRIB	98	194.3	18.0	54.6	0.4	28100
Great Lakes Hybrids	4879STXRIB	98	194.1	17.7	54.9	0.0	25400
Nutech/G2 Genetics	5F-200	100	192.9	18.0	56.2	0.0	27900
Renk	RK596SSTX	98	191.6	17.3	55.9	1.6	28200
Nuseed	9904 VT2P	99	190.7	17.4	53.9	1.6	28100
Proseed	1396 VT3P RIB	96	190.5	16.7	56.6	0.0	27800
Nutech/G2 Genetics	5X-698	98	189.5	16.8	55.6	0.4	28600
Peterson Farms Seed	88A97	97	186.9	17.1	55.1	0.0	29100
Trial Average			195.3	17.4	55.3	0.5	28100
LSD (0.05)†			11.3	0.5	1.0	1.3	1200
C.V.‡			4.1	2.2	1.3	-	3

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Table 2b. Glyphosate-resistant corn hybrid variety performance results, continued (average of 4 replications) - **Late Season Trial (96 day maturity or more)** at Bath, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Dairyland Seed	DS-9900SSX	100	186.6	18.5	50.7	6.2	27900
REA Hybrids	4A654-RIB	96	186.5	17.6	55.5	0.0	28300
Wensman	W 90967STXRIB	96	186.4	17.4	56.2	0.0	27300
Dairyland Seed	DS-9796	96	185.9	17.0	56.6	0.4	27100
Peterson Farms Seed	84Y01	101	185.3	18.2	54.8	0.0	28000
Proseed	PX 96 SS RIB	97	184.3	17.0	56.2	1.2	27100
REA Hybrids	5A993-RIB	99	176.3	17.7	57.0	0.4	28100
Trial Average			195.3	17.4	55.3	0.5	28100
LSD (0.05)†			11.3	0.5	1.0	1.3	1200
C.V.‡			4.1	2.2	1.3	-	3

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