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Location: 4 1/2 miles south and 1 mile east of Bath (57427) in Brown County, SD
(GPS: 45.393016, -98.305427')

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: 5/21/2015

Date harvested: 10/26/2014

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)
Check	Check	99	235.5	18.7	58.9	0.4	29700
Rea Hybrids	3A922-RIB	92	229.5	16.8	59.6	0.0	29500
Renk Seed	RK568VT3P	95	225.8	17.7	57.6	0.0	29200
Channel	195-58STXRIB	95	225.6	17.6	58.1	0.4	29500
Thunder Seed	4695 RR	95	224.7	17.5	59.2	0.4	28400
Federal Hybrids	4558 SSTAX	95	224.5	17.5	57.9	0.0	29500
Nuseed	9504 VT3P RIB	95	223.6	17.5	58.5	0.0	29700
Dairyland Seed	DS-9791RA	91	223.1	17.3	57.2	0.0	29000
Nuseed	9001 VP3220 EZR	90	221.5	17.3	56.6	1.1	28900
Peterson Farms Seed	PFS 76S92	92	221.5	16.7	58.9	0.0	29300
Rea Hybrids	4B953-RIB	95	220.5	16.7	59.1	0.0	29300
Proseed	1392 VT2P	92	220.5	16.6	58.4	0.8	29200
Federal Hybrids	4160 VT2P	91	220.4	16.0	58.2	0.0	28600
Federal Hybrids	4450 SSTAX	94	219.1	17.9	58.7	0.0	28900
Thunder Seed	7993 VT2PRIB	93	219.1	16.8	58.1	0.0	29100
Federal Hybrids	4240 VT2P	92	218.8	16.6	57.2	0.4	29200
Wensman	W8184VT2RIB	95	218.6	17.8	59.0	0.0	28900
Federal Hybrids	4440 VT3P	94	218.4	17.5	58.2	0.0	29000
Peterson Farms Seed	PFS 81W95	95	218.0	16.8	57.6	0.0	29200
Wensman	W80928VT2PRO	92	217.3	16.1	58.6	0.0	29800
Nuseed	9304 SS RIB	93	217.0	17.2	58.7	0.0	29100
Legend Seeds	LR 9694 GENSSRIB	94	216.2	16.9	57.4	0.0	29300
Proseed	1495SS	95	215.7	17.6	58.2	0.0	28700
Wensman	W80931VT2RIB	93	214.8	16.0	58.2	0.0	29400
Renk Seed	RK544SSTX	95	214.8	17.6	58.9	0.4	29400
Legend Seeds	LR 9391 GENSSRIB	91	213.3	16.4	58.0	0.0	29200
Dairyland Seed	DS-9593	93	212.1	16.2	55.5	0.0	25200
Peterson Farms Seed	PFS 75T93	93	210.9	16.5	58.5	0.4	29600
Rea Hybrids	4A942-RIB	94	210.9	16.8	58.4	0.0	29400
Channel	194-14STXRIB	94	210.6	17.2	57.0	0.0	27400
Trial Average			213.9	16.9	58.1	0.2	28500
LSD (0.05)†			12.5	0.6	1.0	0.9	1200
C.V.‡			4.2	2.4	1.2	-	3.0

* 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)
Thunder Seed	101-95 GENSSRIB	95	209.6	18.3	57.7	0.0	29300
Federal Hybrids	4540 VT3P	95	208.7	17.8	57.6	0.7	28500
Nutech/G2 Genetics	5D-091	91	208.4	15.7	57.5	0.4	29500
Channel	190-13VT2PRIB	90	207.6	15.8	58.7	0.0	28000
Wensman	W80952VT2RIB	95	207.2	17.1	57.1	0.4	29100
Nutech/G2 Genetics	5X-894	94	206.9	17.1	58.9	0.0	27100
Thunder Seed	4389 RR	89	206.6	15.6	59.1	0.7	30300
Renk Seed	RK522SSTX	94	204.7	17.9	57.4	0.0	26000
Thunder Seed	4391 VT2	90	204.6	16.1	58.7	0.8	27100
Nutech/G2 Genetics	5Z-488	88	204.4	15.5	56.7	1.9	24000
Federal Hybrids	4550 SSTAX	95	203.9	18.0	57.4	0.0	26400
Legend Seeds	LR 9688 VT2PRIB	88	202.1	15.3	58.2	0.0	28500
Federal Hybrids	4250 VT2P	92	201.8	15.8	57.8	0.0	28400
Nuseed	9202 VT2P RIB	92	201.3	15.7	58.0	0.0	29100
Legend Seeds	LR 9587 VT2PRIB	87	200.6	15.8	58.1	0.0	26200
Legend Seeds	40J592 VT2PRIB	92	197.3	16.2	58.3	0.0	27600
Legend Seeds	LR 9394 GENSSRIB	94	196.6	18.5	59.0	1.4	23400
Trial Average			213.9	16.9	58.1	0.2	28500
LSD (0.05)†			12.5	0.6	1.0	0.9	1200
C.V.‡			4.2	2.4	1.2	-	3.0

* 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 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)
Pioneer	P9929AM	99	231.8	18.1	58.1	0.4	29400
Pioneer	P0339AM	103	231.1	20.0	57.3	0.0	28500
Check	Check	99	229.2	18.7	58.7	0.4	29000
Dairyland Seed	DS-9701	101	227.8	19.6	56.8	0.8	27000
Rea Hybrids	5A992-RIB	99	223.0	18.1	57.5	0.0	29200
Nutech/G2 Genetics	5F-196	96	222.5	17.7	57.1	1.5	28700
Dairyland Seed	DS-9599	99	222.0	19.1	55.9	0.0	29800
Dairyland Seed	DS-9198	98	221.9	17.3	55.7	0.0	29300
Federal Hybrids	5250 SSTAX	102	220.5	19.4	57.6	0.0	29700
Channel	197-68STXRIB	98	219.6	18.8	58.7	0.0	29200
Nutech/G2 Genetics	5F-198	98	217.0	17.0	56.3	0.0	28300
Federal Hybrids	4640 VT3P	96	215.9	17.6	60.2	0.0	30100
Federal Hybrids	4760 SSTAX	97	215.3	17.4	56.4	0.7	29200
Wensman	W8294VT2RIB	99	211.8	18.7	59.1	0.8	28000
Peterson Farms Seed	PFS 55S96	96	210.8	17.7	59.5	0.0	27200
Proseed	13101 SS	101	210.4	18.8	56.5	0.0	28200
Wensman	W90962STX	96	210.2	16.6	57.5	0.0	28900
Federal Hybrids	5050 SSTAX	100	209.3	18.5	57.3	0.4	29100
Rea Hybrids	4A962-RIB	96	208.2	18.5	57.5	0.0	29100
Channel	197-50STXRIB	97	208.2	19.2	56.7	0.0	27000
Pioneer	P9703AM	97	206.6	16.1	58.3	0.7	27800
Renk Seed	RK596SSTX	98	206.5	17.8	58.0	0.0	27100
Wensman	W9288STXRIB	98	206.4	18.7	58.0	0.0	28200
Thunder Seed	6600 VT2PRIB	100	205.2	19.3	57.8	0.0	26400
Proseed	1399A GT3000	99	205.1	18.8	56.0	0.0	25800
Thunder Seed	7603 GENSSRIB	103	204.9	19.2	57.9	0.0	26100
Nutech/G2 Genetics	5F-200	100	204.4	18.7	56.7	1.1	29000
Thunder Seed	101-97 GENSSRIB	97	202.4	17.5	58.5	0.0	29000
Wensman	W90979STXRIB	97	202.1	17.7	58.4	0.0	28900
Thunder Seed	7396 VT2PRIB	96	201.3	17.5	58.9	0.0	28900
Trial Average			206.2	17.7	56.0	0.2	27600
LSD (0.05)†			13.1	0.8	1.4	0.9	1000
C.V.‡			4.5	3.0	1.8	-	2.6

* 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 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)
Rea Hybrids	4A972-RIB	97	200.8	16.8	59.1	0.0	29300
Federal Hybrids	5140 SSTAX	101	200.2	19.1	57.0	0.0	28700
Proseed	1496 SS	96	195.8	18.0	57.8	1.2	27800
Trial Average			206.2	17.7	56.0	0.2	27600
LSD (0.05)†			13.1	0.8	1.4	0.9	1000
C.V.‡			4.5	3.0	1.8	-	2.6

* 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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