



2019 South Dakota Corn Hybrid Trial Results Selby

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Location:	3 miles south and 1/5 miles east of Selby (57472) in Walworth County, SD (GPS: 45.461106°, -100.006793°)
Cooperator:	Tom Fiedler
Soil Type:	Highmore-Eakin silt loams, cool, 2-6% slopes
Fertilizer:	80 lb/acre 30-10-10 starter + 168-24-0-12S broadcast preplant
Yield Goal:	200 bu/acre
Previous crop:	Spring Wheat
Tillage:	No-till
Row spacing:	30 inches
Seeding Rate:	32,000/acre
Herbicide:	Pre: none Post: 2 qt/acre Glyphosate
Date seeded:	5/30/2019
Date harvested:	11/25/2019

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (95 day maturity or less) at Selby, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
LG Seeds	LG44C27VT2RIB	94	212.3	24.8	49.5	0.7	33300
Federal Hybrids	4160 VT2P RIB	91	211.4	22.5	50.5	0.0	33700
Dahlman Seed	R47-26VT2PRIB	94	209.4	25.6	49.4	0.0	34000
Federal Hybrids	3880 VT2P RIB	88	209.1	23.7	50.4	0.3	33800
Renk Seed	RK561DGVT2P	95	208.8	26.2	49.9	2.4	31600
Federal Hybrids	4185 VT2P RIB	91	208.6	23.1	50.5	0.0	33700
Proseed	1794 VT2P RIB	94	207.5	27.5	50.3	0.4	32100
Federal Hybrids	4300 VT2P	93	206.2	25.6	47.4	0.0	33400
Dahlman Seed	R48-28VT2PRIB	95	206.1	26.9	48.2	0.7	33900
Peterson Farms Seed	79N94	94	203.8	25.7	47.6	1.6	32900
Federal Hybrids	4580 VT2P RIB	95	203.8	28.5	50.0	1.0	33300
Federal Hybrids	4190 VT2P RIB	91	203.3	24.7	50.3	0.0	33400
Channel	194-49DGVT2PRIB	94	200.8	28.0	48.3	0.3	34000
Renk Seed	RK433VT2P	92	200.4	27.2	49.4	0.0	31800
Peterson Farms Seed	76S92	92	199.9	28.7	49.6	0.0	33100
LG Seeds	LG44C47VT2RIB	94	199.3	29.9	49.4	1.3	33300
Federal Hybrids	3660 GT3011A	86	198.7	23.6	50.8	0.3	33900
Proseed	1392 VT2P RIB	92	197.0	27.1	49.7	0.0	32700
Federal Hybrids	3790 VT2P RIB	87	196.3	20.0	51.2	0.0	33800
LG Seeds	LG42C63VT2RIB	92	194.0	23.7	48.1	0.4	33300
Peterson Farms Seed	78G95	95	188.6	35.3	49.5	0.0	33100
Check	CHECK	100	178.6	37.4	48.8	0.0	34000
Trial Average			202.0	26.6	49.4	0.4	33300
LSD (0.05)†			12.2	1.3	1.0	1.5	800
C.V.‡			4.3	3.6	1.5	-	1.6

* Lodging percentage - stalks broken below the ear as a percentage of the 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 performance results (average of 4 replications - **Late Season Trial** (96 day maturity or more) at Selby, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Channel	199-11VT2PRIB	99	207.0	26.2	47.3	0.7	33900
Renk Seed	RK593VT2P	96	206.7	27.4	48.6	0.3	33500
LG Seeds	LG46C73VT2RIB	96	206.6	28.0	48.9	2.6	33800
Peterson Farms Seed	76Y96	96	204.1	26.6	47.8	0.3	33000
LG Seeds	LG5465VT2RIB	97	199.6	30.6	47.5	0.0	33800
Renk Seed	RK579DGV2P	98	199.6	32.6	48.7	0.0	33800
Federal Hybrids	4800 VT2P RIB	98	195.5	27.8	48.6	0.0	33100
Federal Hybrids	4680 VT2P RIB	96	193.9	29.1	46.9	3.6	33800
Proseed	1998 VT2P	98	192.3	25.8	48.6	0.4	31100
Proseed	1896 VT2P	96	188.3	36.2	48.9	0.0	29100
Federal Hybrids	4780 VT2P RIB	97	187.1	36.6	48.6	0.0	33100
Federal Hybrids	4999 SS RIB	99	187.0	27.8	47.8	1.0	34000
Federal Hybrids	4770 VT2P RIB	97	186.7	34.2	49.0	0.3	33400
LG Seeds	LG5494VT2RIB	99	184.7	31.8	46.6	0.3	33500
Proseed	16101 VT2P	101	184.6	30.1	47.2	1.0	33100
Peterson Farms Seed	78B98	98	178.6	31.6	47.2	0.0	32300
Check	CHECK	100	175.4	36.6	48.3	0.0	33800
Federal Hybrids	4990 VT2P RIB	99	172.4	39.8	48.3	0.7	33700
Federal Hybrids	5280 SS RIB	102	164.4	40.1	47.8	1.0	34000
Federal Hybrids	4805 SS	98	153.0	42.4	46.6	1.6	33500
Trial Average			188.4	32.1	48.0	0.7	33200
LSD (0.05)†			10.5	2.1	0.9	2.1	1000
C.V.‡			3.9	4.7	1.3	-	2

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