



# 2019 South Dakota Corn Hybrid Trial Results Bath

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<b>Location:</b>	5 miles south and 1 mile east of Bath (57427) in Brown County, SD (GPS: 45.489653°, -98.562760°)
<b>Cooperator:</b>	Gordon and Roger Locken Farms
<b>Soil Type:</b>	Great Bend-Beotia silt loams, 0-2% slopes
<b>Fertilizer:</b>	170-64-0-6S preplant; 80 lbs/acre 30-10-10 starter
<b>Yield Goal:</b>	200 bu/acre
<b>Previous crop:</b>	Soybeans
<b>Tillage:</b>	No-till
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	32,000/acre
<b>Herbicide:</b>	Pre: none Post: 1 qt Powermax (glyphosate)
<b>Date seeded:</b>	5/29/2019
<b>Date harvested:</b>	11/7/2019

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

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Thunder Seed	6993 VT2P	93	<b>226.2</b>	24.9	51.6	0.4	30200
Dahlman Seed	R47-24VT2PRIB	94	<b>220.3</b>	24.2	54.2	0.0	28800
Thunder Seed	6094 VT2P	94	<b>218.0</b>	25.6	54.6	0.0	28800
Proseed	1794 VT2P RIB	94	<b>216.2</b>	24.2	54.6	0.0	29900
LG Seeds	LG44C27VT2RIB	94	212.4	26.2	52.8	0.4	30300
Masters Choice	SP1970	94	211.3	23.9	54.3	0.0	28800
Channel	194-49DGV2PRIB	94	210.7	29.5	53.4	0.0	30200
LG Seeds	LG42C63VT2RIB	92	208.2	23.7	52.3	0.7	30100
Federal Hybrids	4160 VT2P RIB	91	207.5	23.5	53.3	0.4	29900
LG Seeds	LG44C47VT2RIB	94	205.9	29.9	54.0	0.0	31000
Federal Hybrids	4185 VT2P RIB	91	204.3	24.7	53.6	0.0	29900
Renk Seed	RK561DGV2P	95	201.8	31.0	51.0	0.0	29700
Dairyland Seed	DS-3550AM	95	201.3	28.9	50.6	0.8	28600
Federal Hybrids	4190 VT2P RIB	91	199.4	27.4	52.2	0.4	30600
Federal Hybrids	4580 VT2P RIB	95	199.4	28.7	55.1	0.4	29700
Federal Hybrids	4300 VT2P	93	199.3	29.4	50.8	0.4	29400
Peterson Farms Seed	79N94	94	198.6	29.7	50.9	0.0	30200
Dahlman Seed	R47-26VT2PRIB	94	197.9	28.6	53.3	0.4	28700
Thunder Seed	6791 VT2P	91	197.8	23.9	53.0	0.0	29700
Peterson Farms Seed	76S92	92	197.0	25.3	53.0	0.0	29400
Renk Seed	RK433VT2P	92	196.5	24.8	54.7	0.0	28400
Dahlman Seed	R48-28VT2PRIB	95	195.1	30.0	51.8	0.0	27200
Check	CHECK	100	192.9	33.4	52.5	0.4	30100
Masters Choice	SP1927	95	192.2	32.2	51.5	0.4	26000
Thunder Seed	6992 VT2P	92	191.8	25.6	53.5	0.8	28200
Peterson Farms Seed	78G95	95	186.8	32.5	53.3	0.0	28500
Proseed	1392 VT2P RIB	92	183.3	31.1	53.4	0.0	30200
Thunder Seed	6595 VT2P	95	175.8	34.7	53.5	0.0	27900
<b>Trial Average</b>			202.0	27.8	52.9	0.2	29300
<b>LSD (0.05)†</b>			11.0	0.9	1.1	0.8	1300
<b>C.V.‡</b>			3.9	3.1	1.4	-	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.

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

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Federal Hybrids	4805 SS	98	<b>236.7</b>	24.7	52.1	0.0	30900
Federal Hybrids	4800 VT2P RIB	98	218.6	22.8	54.2	0.0	30700
Renk Seed	RK579DGV2P	98	217.6	26.6	52.9	0.0	31000
Dairyland Seed	DS-3519AM	96	217.4	24.0	55.0	0.4	30000
Proseed	1896 VT2P	96	216.4	28.4	55.1	0.0	31800
Thunder Seed	6999 VT2P	99	214.8	25.6	54.9	0.0	32300
Renk Seed	RK593VT2P	96	213.7	26.2	53.0	0.0	32000
LG Seeds	LG5494VT2RIB	99	212.1	29.0	52.5	0.0	32300
Peterson Farms Seed	76Y96	96	211.2	25.0	54.9	0.0	30800
Thunder Seed	EXC 19-97	97	210.5	26.9	56.4	0.0	31200
LG Seeds	LG5465VT2RIB	97	209.3	28.9	54.5	0.0	31800
Dahlman Seed	R48-21VT2PRIB	96	209.1	27.6	54.1	0.0	30700
Check	CHECK	100	209.0	29.0	54.6	0.0	30700
LG Seeds	LG46C73VT2RIB	96	208.9	26.5	53.7	0.0	30700
Masters Choice	SP2272	101	208.8	27.6	55.1	0.0	31600
Federal Hybrids	4770 VT2P RIB	97	208.7	28.1	55.5	0.0	30600
Federal Hybrids	4680 VT2P RIB	96	208.2	27.3	54.8	0.0	30000
Channel	201-67STXRIB	101	207.6	33.0	55.5	0.0	31600
Thunder Seed	6098 VT2P	98	207.4	32.1	54.6	0.0	28600
Dahlman Seed	R49-23VT2PRIB	98	206.6	26.3	55.4	0.0	30400
Proseed	1998 VT2P	98	206.4	23.7	54.0	0.0	29600
Dairyland Seed	DS-3810Q	98	206.3	31.6	53.1	0.0	31100
Thunder Seed	6996 VT2P	96	205.8	26.7	55.9	0.0	31200
Channel	197-90VT2PRIB	97	205.4	24.0	54.2	0.0	30300
Peterson Farms Seed	78B98	98	204.6	27.3	53.1	0.4	29000
Dairyland Seed	DS-4018AM	101	203.2	33.2	54.3	0.0	26500
Federal Hybrids	4780 VT2P RIB	97	201.6	30.6	53.5	0.0	29900
Federal Hybrids	4999 SS RIB	99	200.0	25.1	53.5	0.0	32000
Federal Hybrids	5280 SS RIB	102	196.4	34.8	53.6	0.0	30500
Federal Hybrids	4990 VT2P RIB	99	192.5	36.5	54.1	0.0	29600
Proseed	16101 VT2P	101	189.7	27.4	54.2	0.0	29100
<b>Trial Average</b>			208.5	28.0	54.3	-	30600
<b>LSD (0.05)†</b>			10.8	1.3	1.2	-	1500
<b>C.V.‡</b>			3.7	4.0	1.5	-	3.4

\* 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.