



# 2018 South Dakota Corn Hybrid Trial Results Geddes

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<b>Location:</b>	3 miles north of Geddes (57432) in Charles Mix County, SD GPS: 43.298952°, -98.691714°
<b>Cooperator:</b>	Curtis Sybesma
<b>Soil Type:</b>	Eakin silt loams, 0-2% slopes
<b>Fertilizer:</b>	120-46-0-32S-2Z preplant; 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>	28,750/acre
<b>Herbicide:</b>	Pre: 1.5 qt Harness Xtra (acetochlor) + 33 oz Powermax (glyphosate) + 1 pt Banvel (dicamba) Post: 33 oz Powermax (glyphosate)
<b>Date seeded:</b>	5/14/2018
<b>Date harvested:</b>	11/30/2018

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - Early Season Trial (107 day maturity or less) at Geddes, 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	E5FN-A604	104	<b>264.2</b>	16.5	56.5	0.4	28900
Hoegemeyer	HPT 7607 AMX	106	<b>261.4</b>	17.3	57.4	0.0	29000
Hoegemeyer	HPT 7480 AM	104	<b>256.4</b>	16.9	57.8	0.8	28400
Nutech/G2 Genetics	5VN-4707	107	<b>255.3</b>	17.1	56.4	0.0	29000
Channel	207-27STXRIB	107	<b>255.1</b>	18.8	58.8	0.0	28700
Hoegemeyer	HPT 7557 AM	105	<b>250.7</b>	17.2	60.0	0.0	27700
Channel	206-11STXRIB	106	<b>250.0</b>	16.3	56.4	0.4	28500
Hoegemeyer	HPT 7434 AM	104	247.0	16.6	56.6	0.8	28100
Hoegemeyer	HPT 7210 AMXT	102	246.5	16.6	57.6	0.0	26000
Channel	204-74VT2PRIB	104	238.5	16.7	58.5	0.4	27100
LG Seeds	LG5525VT2RIB	105	237.6	17.0	59.3	0.4	28300
LG Seeds	LG53C50STXRIB	103	235.7	16.6	58.2	0.4	24900
Proseed	18105 SS	105	235.7	17.0	59.4	0.4	27800
Peterson Farms Seed	88B03	103	234.8	16.7	59.1	0.4	26900
Check	CHECK	101	233.1	16.4	58.5	0.0	27700
Proseed	17102 SS	102	230.8	16.3	59.2	0.0	28300
Proseed	17103 SS	103	223.7	16.7	59.1	0.4	26800
Proseed	16101 SS	101	222.0	15.9	58.3	0.0	27800
<b>Trial Average</b>			243.2	16.8	58.2	0.3	27800
<b>LSD (0.05)†</b>			15.3	0.6	0.7	1.0	900
<b>C.V.‡</b>			4.4	2.5	0.8	-	2.4

\* 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.

Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - Late Season Trial (108 day maturity or more) at Geddes, SD.

Variety Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Hoegemeyer	HPT 7886 AM	108	<b>264.8</b>	17.9	57.3	0.8	27000
Hoegemeyer	HPT 7900 AM	108	<b>263.2</b>	19.0	59.5	0.0	28100
Channel	213-19VT2PRIB	113	<b>258.0</b>	18.8	58.4	0.0	29700
Hoegemeyer	HPT 7946 AM	109	<b>257.1</b>	17.8	60.2	0.4	27800
Channel	208-23VT2PRIB	108	<b>255.8</b>	18.3	58.0	0.0	29600
Hoegemeyer	HPT 8066 AM	109	<b>255.3</b>	18.1	60.7	1.2	28500
Hoegemeyer	HPT 8326 AM	113	<b>251.1</b>	19.9	57.7	3.9	27700
Hoegemeyer	HPT 8217 AM	112	250.4	19.5	59.2	0.4	27600
Channel	210-79DGV2PRIB	110	246.0	16.9	59.9	0.8	28900
LG Seeds	LG5565STXRIB	108	245.5	18.1	60.3	0.8	27600
Channel	209-15STXRIB	109	244.7	16.8	56.7	0.0	27300
Check	CHECK	101	234.2	16.9	59.5	0.4	27600
<b>Trial Average</b>			252.2	18.1	58.9	0.7	28100
<b>LSD (0.05)†</b>			14.0	0.7	0.9	1.4	800
<b>C.V.‡</b>			3.9	2.7	1.0	-	2.0

\* 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.