SDSU Extension
agronomy
South Dakota Agricultural Experiment Station Research at SDSU
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SOUTH DAKOTA STATE UNIVERSITY®
AGRONOMY, HORTICULTURE, & PLANT SCIENCE DEPARTMENT

2020 South Dakota Corn Hybrid Trial Results Bancroft

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Location:	4 miles north and 1/2 mile west of Bancroft (57353) in Kingsbury County (GPS: 44.543921°, -97.767418°)
Cooperator:	Weerts Farm, Inc.
Soil Type:	Houdek-Stickney loam, 0-2% slope, non-irrigated
Fertilizer:	100 lbs/acre 30-10-10 starter + 140-20-0-10S broadcast preplant
Yield Goal:	200 bu/acre
Previous crop:	soybeans
Tillage:	minimum till
Row spacing:	30 inches
Seeding Rate:	33,000/acre
Herbicide:	Pre: 32 ozacre Harness (acetochlor) Post: 32 oz/acre Roundup PowerMax (glyphosate) + 24 oz/acre TripleFlex (acetochlor + flumetsulam + clopyralid) + 8 oz/acre DiFlexx (dicamba)
Date seeded:	5/12/2020
Date harvested:	11/5/2020

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Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial (100 day maturity or less)** at Bancroft, SD.

Variety Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Renk Seed	RK593VT2P	97	**245.1**	14.0	60.8	0.0	32100
Peterson Farms Seed	78B98	98	**243.2**	14.8	60.2	0.0	30900
Renk Seed	RK579DGVT2P	99	**243.2**	14.8	59.2	0.3	32200
Thunder Seed	T6999 VT2P	99	**242.8**	13.6	59.8	0.0	31900
Thunder Seed	T6098 VT2P	98	**240.8**	14.2	59.4	0.0	30500
Channel	200-67VT2PRIB	100	**240.5**	14.7	59.0	0.0	31200
Peterson Farms Seed	72D00	100	**240.1**	13.9	58.0	0.0	29600
Farmer Check 1	P9998Q	99	**238.7**	15.6	59.9	0.0	30500
Check	DKC49-44RIB	99	**238.5**	15.2	59.1	0.0	31600
Peterson Farms Seed	76Y96	96	**237.9**	14.9	60.9	0.0	31300
Dairyland Seed	DS-3715AM	97	**234.4**	14.3	58.2	0.0	30000
Thunder Seed	T6996 VT2P	96	**231.9**	14.4	58.7	0.3	31400
Farmer Check 2	P0046AM	100	**229.9**	17.5	61.3	0.0	30100
Thunder Seed	T6100 VT2P	100	228.8	12.4	59.0	0.3	32200
Channel	199-60TRERIB	99	226.7	14.5	58.2	0.0	30700
Channel	197-90VT2PRIB	97	226.0	13.5	59.9	0.3	31900
Dairyland Seed	DS-3519AM	96	222.3	14.9	61.0	0.0	28800
Renk Seed	RK600VT2P	100	219.5	14.0	59.3	0.0	31000
	Trial Average		235.0	14.5	59.5	0.8	31000
	LSD (0.05)†		15.9	0.7	0.9	0.4	1200
	C.V.‡		4.8	3.6	1.1	-	2.7

* Lodging percentage - stalks broken below the ear as a percentage of the final stand.
† Yield or moisture value required (≥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.

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Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Late Season Trial (101 day maturity or more)** at Bancroft, 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-4329AM	103	**261.6**	15.9	59.6	0.0	30100
Thunder Seed	T6004 VT2P	104	**260.6**	15.7	59.5	0.0	31100
Dairyland Seed	DS-4440AM	104	**259.1**	16.8	60.5	0.0	32000
Renk Seed	RK695GTCBLLBL	102	**257.5**	17.4	62.0	0.0	32100
Peterson Farms Seed	73P01	101	**257.3**	14.0	59.7	0.0	31600
Thunder Seed	T6905 VT2P	105	**254.8**	15.9	61.2	0.0	28900
Peterson Farms Seed	74H04	104	**254.8**	15.6	60.0	0.0	31000
Farmer Check 1	P0306Q	103	**252.3**	15.9	61.4	0.0	31600
Thunder Seed	T6902 VT2P	102	**251.7**	14.7	60.1	0.0	28900
Peterson Farms Seed	78B03	103	247.3	15.1	61.0	0.0	29300
Renk Seed	RK621VT2P	103	246.9	15.7	61.0	0.0	30900
Check	DKC49-44RIB	99	244.5	14.8	60.0	0.3	31200
Farmer Check 2	DKC54-40RIB	104	234.0	16.0	61.6	0.0	30700
	Trial Average		252.0	15.6	60.6	0.0	30700
	LSD (0.05)†		12.5	0.6	0.9	0.0	1200
	C.V.‡		3.5	2.6	1.0	-	2.7

* Lodging percentage - stalks broken below the ear as a percentage of the final stand.
† Yield or moisture value required (≥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.