



2020 South Dakota Conventional Corn Hybrid Trial Results South Shore

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Location:	8.5 miles west of South Shore (57263) in Codington County, SD (GPS:45.106798°, -97.100103°)
Cooperator:	SDSU Northeast Research Farm - Allen Heuer, manager
Soil Type:	Kranzburg-Brookings silty clay loams, 0-2% slope
Fertilizer:	100 lb/acre 30-10-10 starter + 200-0-100 broadcast preplant
Yield Goal:	200 bu/acre
Previous crop:	soybeans
Tillage:	conventional
Row spacing:	30 inches
Seeding Rate:	33,000/acre
Herbicide:	Pre: 1.6 qt/acre Harness Xtra (acetochlor + atrazine) Post: none
Date seeded:	5/1/2020
Date harvested:	11/2/2020

Table 1. Conventional corn hybrid performance results (average of 4 replications) at South Shore, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Renk Seed	RK433	92	231.7	17.9	60.1	0.0	31700
Proseed	1996 CONV	96	230.1	17.9	59.9	0.3	29600
Check	DKC49-44RIB	99	229.2	19.6	59.1	0.0	32200
AgriGold	A629-93	99	228.7	18.7	59.7	0.4	30000
Renk Seed	RK568	95	227.0	17.8	60.2	0.0	29700
Hi Fidelity Genetics	HFG0921	92	224.8	17.8	59.2	0.3	32100
Viking	42-92	92	224.5	17.2	60.0	0.0	28900
Peterson Farms Seed	19L95	95	218.7	17.1	58.0	0.4	29200
Hi Fidelity Genetics	HFG0951	95	217.0	17.4	59.2	0.0	28400
Viking	52-96	96	215.9	17.3	59.9	0.0	30600
AgriGold	A622-65	92	213.6	15.9	59.3	0.0	30900
Hi Fidelity Genetics	HFG1001	100	183.4	20.5	58.3	0.0	23700
Trial Average			220.4	17.9	59.4	0.1	29700
LSD (0.05)†			11.8	0.8	0.9	0.5	1100
C.V.‡			3.7	2.9	1.0	-	2.6

* 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.