South Dakota State University
College of Agriculture, Food and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2022 South Dakota Conventional Corn Hybrid Trial Results South Shore

Jonathan Kleinjan | SDSU Extension Agronomist
Kevin Kirby | Agricultural Research Manager
Shawn Hawks | Agricultural Research Manager

Location:	8.5 miles west of South Shore (57263) in Codington County, SD 45.106840°, -97.099932°
Cooperator:	South Dakota State University Northeast Research Farm
Soil Type:	Kranzburg-Brookings silty clay loams, 0-2% slope
Fertilizer:	90 lb/acre 30-10-10 starter + 200-0-60 broadcast preplant
Previous crop:	soybeans
Tillage:	conventional
Row spacing:	30 inches
Seeding Rate:	32,000/acre
Herbicide:	Pre: 1.5 pt/Acre Surpass + 1 pt/acre atrazine Post: 0.9 oz/acre Accent Q
Date seeded:	5/24/22
Date harvested:	10/25/22

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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)
Legacy Seeds	LC-3517 CONV	95	**227.3**	20.5	55.2	0.0	32000
Renk Seed	RK300	90	**225.0**	19.5	55.3	0.0	30500
Jacobsen Seed	JS 4095	95	**221.9**	21.3	54.4	0.0	29200
Jacobsen Seed	JS 4096	96	**218.8**	20.1	55.3	0.0	29600
Legacy Seeds	LC-482-21 CONV	96	**216.3**	20.0	55.2	0.0	30300
Viking Seed	42-92	92	213.7	19.5	56.5	0.0	29400
Renk Seed	RK568	95	207.9	20.5	55.3	0.0	27000
Legacy Seeds	LC-4248 CONV	99	205.1	20.6	54.1	0.0	28400
Viking Seed	52-96	96	201.9	20.5	55.2	0.0	27500
Check	DKC48-95RIB	98	197.8	20.4	54.7	0.0	27900
Jacobsen Seed	JS 4040	91	197.0	20.0	55.4	0.0	27800
Renk Seed	RK2-94	94	194.5	19.6	54.7	0.0	29000
	Trial Average		210.6	20.2	55.1	0.0	30000
	LSD (0.05)†		12.9	1.4	1.2	-	1200
	C.V.‡		4.3	-	-	-	-

* 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.