



**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

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

2024 South Dakota Corn Hybrid Trial Results South Shore

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Location: 8.5 miles west of South Shore in Codington County, SD
45.106784°, -97.100102°

Cooperator: South Dakota State University Northeast Research Farm

Soil Type: Kranzburg-Brookings silty clay loams, 0-2% slopes

Fertilizer: 30-10-10 starter + 200-0-50 broadcast preplant

Previous crop: soybeans

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 32 oz Dual II
Post: 32 oz Glyphosate

Date seeded: 5/14/24

Date harvested: 10/29/24

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Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - Early Season Trial (95 day maturity or less) 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)
PETERSON FARMS SEED	74M94	94	265.2	20.0	56.9	0	33324
RENK SEED	RK519VT4P	95	264.9	18.5	57.7	0.3	32779
JACOBSEN SEED	JS9494VT2P	94	264.9	19.7	56.4	0.3	32452
HEINE HYBRIDS	6330DGVT2PRIB	95	259.2	20.1	58.1	0	33106
HEINE HYBRIDS	6460VT2PRIB	94	259.1	20.1	56.1	0	31581
DAHLMAN SEED	R47-258VT2PRIB	94	257.8	20.1	56.0	0	32997
THUNDER SEED	T6294VT2P	94	257.6	19.9	58.3	0	33323
THUNDER SEED	T6396VT2P	95	257.4	19.8	56.8	0	32779
DAHLMAN SEED	R48-239VT2PRIB	95	255.6	20.1	56.2	0	32997
DAHLMAN SEED	R47-24VT2PRIB	94	254.3	20.5	56.8	0	33215
DAHLMAN SEED	R47245DGVT2PRIB	94	254.1	19.8	58.2	0.3	32888
RENK SEED	RK444VT2P	93	253.9	20.3	56.7	0	31908
RENK SEED	RK456VT2P	93	253.3	20.6	54.4	0	33324
JACOBSEN SEED	JS9591VT2P	95	253.2	20.1	58.0	0.5	33432
RENK SEED	RK561DGVT2P	95	253.1	20.4	56.6	0	32779
PETERSON FARMS SEED	71R95	95	252.3	20.2	57.8	0	33106
THUNDER SEED	T6695VT2P	95	252.0	19.7	56.1	0	32017
HEINE HYBRIDS	6175VT2PRIB	91	251.8	18.5	57.1	0	33650
CHECK	CHECK	98	251.4	21.4	56.8	0	32126
HEINE HYBRIDS	6350VT2PRIB	95	251.1	20.0	57.3	0	33215
JACOBSEN SEED	JS9542VT2P	95	250.8	20.0	58.2	0	33215
PETERSON FARMS SEED	72Q94	94	250.2	19.7	56.7	0	32997
JACOBSEN SEED	JS9182VT2P	91	248.4	19.1	57.3	0	33759
PETERSON FARMS SEED	72A91	91	243.2	18.1	57.5	0	33542
JACOBSEN SEED	JS9053VT2P	90	239.7	18.0	57.4	0	32670
HEINE HYBRIDS	6210VT2PRIB	95	227.8	19.9	58.3	0	32888
Trial Average			253.2	19.8	57.1	-	32925
LSD (0.05)†			9.1	1	0.6	-	812
C.V.‡			2.5	3.7	0.7	-	1.8

* 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.



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Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - Late Season Trial (96 day maturity or more) 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)
HEINE HYBRIDS	7053VT2PRIB	100	268.8	22.7	54.0	0	33324
PETERSON FARMS SEED	75T99	99	264.0	21.2	55.8	0	33542
PETERSON FARMS SEED	74A97	97	263.0	20.6	56.0	0	33215
RENK SEED	RK582SSTX	98	262.7	20.8	55.8	0	31690
THUNDER SEED	T8598SS	98	262.2	22.4	56.1	0	33215
THUNDER SEED	T6500VT2P	100	260.3	22.9	53.8	0	33215
RENK SEED	RK579DGVT2P	99	259.5	21.0	56.6	0	33215
JACOBSEN SEED	JS9904SS	99	258.9	21.2	56.0	0	33432
DAHLMAN SEED	R50-252VT2PRIB	100	257.9	22.6	54.2	0	33215
RENK SEED	RK590VT2P	98	257.9	21.6	54.9	0	32017
RENK SEED	RK586VT4P	99	257.7	21.4	56.1	0	33432
LEGACY SEEDS	LC471-23TRE	97	257.6	21.0	56.1	0	33324
LEGACY SEEDS	LC465-23PCERA	96	256.9	20.9	56.0	0	32997
HEINE HYBRIDS	6650TRERIB	98	256.7	21.2	55.3	0	33215
PETERSON FARMS SEED	85Q98	98	254.8	22.4	56.3	0	32997
RENK SEED	RK597SSPRO	99	254.8	21.4	55.5	0	32888
HEINE HYBRIDS	6760TRERIB	97	254.3	21.0	56.2	0.3	33650
PETERSON FARMS SEED	85W96	96	254.3	21.0	56.8	0	33977
HEINE HYBRIDS	6215VT2PRIB	97	253.8	21.3	55.4	0	32670
JACOBSEN SEED	JS0063VT4P	100	253.5	21.8	55.3	0	30819
LEGACY SEEDS	LC474-23PCERA	97	253.5	21.2	56.2	0	33541
HEINE HYBRIDS	638DGVT2PRIB	99	252.8	23.2	54.3	0	33324
HEINE HYBRIDS	7025VT2PRIB	100	252.4	22.5	55.2	0.3	33759
THUNDER SEED	T6498PC	98	251.0	20.5	55.8	0	33324
CHECK	CHECK	98	250.7	22.1	55.9	0	32017
RENK SEED	RK571PCE	96	248.5	21.0	55.5	0	31472
JACOBSEN SEED	JS9672VT2P	96	244.3	21.2	56.4	0	33215
JACOBSEN SEED	JS9711V2TP	97	240.8	22.5	55.2	0	32017
AG PERFORMANCE	AP1000LLGTCB	100	236.8	22.5	56.4	0	32670
HEINE HYBRIDS	7090AA	100	236.6	24.1	54.7	0	32235
Trial Average			254.6	21.7	55.6	-	32921
LSD (0.05)†			12.3	0.9	0.9	-	847
C.V.‡			3.5	3.1	1.2	-	1.8

* 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.