



**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 Bancroft

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Location: 2.5 miles north and .5 miles west of Bancroft, SD
44.527147°, -97.763634°

Cooperator: Weerts Farm, Inc.

Soil Type: Barnes clay loam, 0-2% slopes

Fertilizer: 30-10-10 starter + 140-40-0-20S preplant broadcast

Previous crop: soybeans

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 19.2 oz AR Axis, 20 oz Roundup Powermax 3, 8 oz Sterling Blue, 32 oz Tripleflex 2
Post: 16 oz AR Axis, 16 oz Atrazine, 6.4 oz COC, 3 oz Laudis, 30 oz Roundup Powermax 3

Date seeded: 5/16/24

Date harvested: 10/24/24

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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.

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	6215VT2PRIB	97	262.4	15.7	57.9	0.0	33215
RENK SEED	RK586VT4P	99	260.0	15.6	59.3	0.0	33432
LEGACY SEEDS	LC474-23PCERA	97	256.9	16.1	57.7	0.0	33541
JACOBSEN SEED	JS9904SS	99	256.8	15.6	59.0	0.0	33106
RENK SEED	RK579DGVT2P	99	253.9	15.8	58.8	0.3	33650
THUNDER SEED	T6500VT2P	100	252.9	16.4	57.2	0.0	33106
RENK SEED	RK590VT2P	98	251.4	15.8	57.5	0.0	32452
HEINE HYBRIDS	6650TRERIB	98	250.2	15.5	58.4	0.0	33215
PETERSON FARMS SEED	75T99	99	250.2	15.2	58.7	0.0	33541
RENK SEED	RK597SSPRO	99	249.5	15.3	59.1	0.0	32888
RENK SEED	RK561DGVT2P	95	247.6	15.2	58.7	0.3	33432
THUNDER SEED	T8598SS	98	247.5	15.5	60.1	0.3	33541
RENK SEED	RK582SSTX	98	247.3	15.9	58.3	0.3	33105
RENK SEED	RK571PCE	96	247.1	16.3	57.7	0.3	32235
THUNDER SEED	T6498PC	98	247.0	16.2	58.5	0.3	33215
THUNDER SEED	T6999VT2P	100	246.5	15.1	59.4	0.3	33977
CHECK	CHECK	98	246.3	16.4	59.5	0.3	32452
HEINE HYBRIDS	7053VT2PRIB	100	244.7	16.4	57.4	0.0	32888
LEGACY SEEDS	LC465-23PCERA	96	244.3	16.2	58.4	0.0	32452
LEGACY SEEDS	LC471-23TRE	97	243.9	15.3	58.9	0.0	33323
JACOBSEN SEED	JS0063VT4P	100	243.4	16.3	58.9	0.0	32343
PETERSON FARMS SEED	71R95	95	243.3	14.9	60.0	0.0	32997
JACOBSEN SEED	JS9591VT2P	95	243.0	15.6	59.7	0.3	33650
HEINE HYBRIDS	638DGVT2PRIB	99	242.2	16.4	58.1	0.0	33106
PETERSON FARMS SEED	74A97	97	239.9	14.8	59.3	0.5	33868
HEINE HYBRIDS	7025VT2PRIB	100	238.2	16.3	57.5	0.0	33324
RENK SEED	RK519VT4P	95	236.2	15.2	59.5	0.3	32452
RENK SEED	RK603VT2P	100	235.2	16.8	57.8	0.3	33215
AG PERFORMANCE	AP1000LLGTCB	100	234.0	16.1	60.0	0.0	32343
HEINE HYBRIDS	6760TRERIB	97	233.9	15.1	59.6	0.5	33324
JACOBSEN SEED	JS9711V2TP	97	232.7	16.1	58.5	0.0	32453
HEINE HYBRIDS	7090AA	100	230.8	18.7	58.7	0.0	32670
Trial Average			245.6	15.9	58.7	-	33078
LSD (0.05)†			15.2	0.7	0.7	-	1000
C.V.‡			4.4	3.2	0.9	-	2.2

* 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 (101 day maturity or more) at Bancroft, 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	740VT2PRIB	103	282.9	17.0	57.4	0	33650
THUNDER SEED	T8502DC	102	278.5	18.0	57.6	0	32888
THUNDER SEED	T6902VT2P	102	272.4	16.8	57.4	0	32779
HEINE HYBRIDS	7522PWERIB	105	271.8	19.7	57.8	0	33106
LEGACY SEEDS	LC523-24D	102	270.7	17.9	57.7	0	33759
PETERSON FARMS SEED	75V01	101	266.6	15.5	58.3	0	33433
PETERSON FARMS SEED	77Z03	103	264.2	16.7	58.2	0	32997
JACOBSEN SEED	JS0223VT2P	102	264.1	17.4	58.0	0	33106
RENK SEED	RK628VT2P	102	263.7	17.3	58.2	0	32779
HEINE HYBRIDS	7480DGVT2PRIB	104	262.0	16.7	56.9	0	32997
RENK SEED	RK625DGVT2P	104	259.0	16.9	56.8	0	32561
HEINE HYBRIDS	7511PWERIB	105	257.8	18.3	57.1	0	33106
LEGACY SEEDS	LC534-23TRERIB	103	257.7	16.6	58.0	0	32234
RENK SEED	RK609VT2P	101	253.6	16.9	58.2	0	32234
CHECK	CHECK	98	250.0	16.0	59.2	0	32670
THUNDER SEED	T6501AA	101	240.6	18.1	58.0	0	32561
Trial Average			263.5	17.2	57.8	-	32929
LSD (0.05)†			14.9	1.1	0.6	-	1117
C.V.‡			4	4.4	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.