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 Bath

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Location:	5 miles south and 2 miles east of Bath, SD 45.355355°, -98.289537°
Cooperator:	Locken Farms
Soil Type:	Grent Bend-Beotia silt loams, 0-2% slopes
Fertilizer:	Fall: 20-96-10 Spring: 30-10-10 starter + 150-0-0-13S, 9.66 floz/ac dry Remain preplant broadcast
Previous crop:	soybeans
Tillage:	no-till
Row spacing:	30 inches
Seeding Rate:	32,000/acre
Herbicide:	Pre: none Post: 32 oz/acre Buccaneer Plus
Date seeded:	5/8/24
Date harvested:	10/23/24

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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 Bath, 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	RK519VT4P	95	267.9	15.3	59.6	0	33650
DAHLMAN SEED	R48-239VT2PRIB	95	267.2	15.8	58.8	0	33106
RENK SEED	RK456VT2P	93	260.7	15.9	57.9	1	32235
LEGACY SEEDS	LC454-22VT2PRIB	95	258.4	15.6	58.8	0	33433
PETERSON FARMS SEED	72Q94	94	257.9	15.5	59.0	1	33215
DAHLMAN SEED	R47-258VT2PRIB	94	255.8	15.6	57.9	0	33759
HEINE HYBRIDS	6350VT2PRIB	95	254.5	15.9	59.5	0	33977
CHECK	CHECK	98	251.3	16.4	59.8	0	32561
THUNDER SEED	T6396VT2P	95	249.6	15.8	58.4	0	32779
RENK SEED	RK561DGVT2P	95	246.0	15.5	58.6	1	32452
HEINE HYBRIDS	6460VT2PRIB	94	246.0	15.5	57.8	0	33541
JACOBSEN SEED	JS9182VT2P	91	244.5	15.1	58.7	0	33541
JACOBSEN SEED	JS9494VT2P	94	244.4	15.8	57.3	0	32888
DAHLMAN SEED	R47245DGVT2PRIB	94	244.0	15.6	60.5	0	32234
PETERSON FARMS SEED	74M94	94	243.6	16.1	58.3	1	31472
RENK SEED	RK444VT2P	93	243.0	16.0	58.6	0	32234
PETERSON FARMS SEED	72A91	91	242.9	15.0	58.4	1	33650
HEINE HYBRIDS	6210VT2PRIB	95	242.7	15.8	59.1	0	32997
THUNDER SEED	T6294VT2P	94	240.6	15.1	60.9	0	33106
JACOBSEN SEED	JS9542VT2P	95	240.3	15.2	60.7	1	33106
THUNDER SEED	T6695VT2P	95	238.6	15.4	57.4	0	32779
DAHLMAN SEED	R46-27VT2PRIB	92	238.4	15.2	59.7	1	33215
LEGACY SEEDS	LC394-24PCE	89	238.2	15.1	57.5	0	32997
PETERSON FARMS SEED	74V91	91	238.1	15.3	57.9	0	32997
PETERSON FARMS SEED	71R95	95	237.5	15.2	60.7	0	31254
LEGACY SEEDS	LC411-23VT2P	91	234.2	15.1	57.2	0	32888
DAHLMAN SEED	5092PCE	92	232.8	15.1	58.2	0	32126
JACOBSEN SEED	JS9053VT2P	90	231.1	14.8	58.0	0	33106
DAHLMAN SEED	R47-24VT2PRIB	94	229.9	15.5	56.1	0	32561
HEINE HYBRIDS	6330DGVT2PRIB	95	229.0	15.0	60.6	0	32452
HEINE HYBRIDS	6175VT2PRIB	91	212.7	14.8	57.9	0	33868
DAHLMAN SEED	R45-25VT2RIB	90	212.5	15.1	57.3	0	33106
DAHLMAN SEED	R45-250VT2PRIB	90	211.3	14.8	57.2	0	33106
LEGACY SEEDS	LC404-24VT2P	90	209.8	14.8	57.7	0	33432
	Trial Average		241	15.4	58.6	-	32936
	LSD (0.05)†		14.4	0.6	1	-	944
	C.V.‡		4.2	2.8	1.2	-	2

* 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 Bath, 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	75V01	101	276.4	17.8	57.2	1	32453
THUNDER SEED	T6500VT2P	100	274.2	16.9	56.5	0	33324
RENK SEED	RK586VT4P	99	274.2	16.3	59.3	1	32452
DAHLMAN SEED	R50-252VT2PRIB	100	266.4	17.6	57.0	0	32670
DAHLMAN SEED	R49-29VT2PRIB	98	266.2	16.4	57.0	1	33215
THUNDER SEED	T8598SS	98	266.0	15.9	59.3	0	33324
PETERSON FARMS SEED	85W96	96	265.5	16.9	58.5	0	32017
PETERSON FARMS SEED	85Q98	98	264.2	15.4	59.7	0	32997
HEINE HYBRIDS	6760TRERIB	97	263.5	15.9	58.6	0	32888
PETERSON FARMS SEED	77Z03	103	262.6	17.1	57.9	0	32561
HEINE HYBRIDS	638DGVT2PRIB	99	260.7	16.8	57.8	0	32126
HEINE HYBRIDS	7025VT2PRIB	100	258.4	17.0	57.4	1	33650
HEINE HYBRIDS	6215VT2PRIB	97	258.2	16.5	57.1	1	33650
RENK SEED	RK597SSPRO	99	257.3	15.9	58.8	0	32670
HEINE HYBRIDS	7053VT2PRIB	100	256.4	16.6	55.8	0	32888
HEINE HYBRIDS	6650TRERIB	98	255.9	16.1	57.7	0	32344
PETERSON FARMS SEED	74A97	97	254.6	15.5	58.5	0	32997
JACOBSEN SEED	JS9672VT2P	96	253.8	16.1	59.1	0	32888
CHECK	CHECK	98	253.0	17.1	59.1	0	33433
PETERSON FARMS SEED	75T99	99	252.5	16.2	57.7	0	32997
HEINE HYBRIDS	7090AA	100	252.2	18.6	57.6	1	33759
THUNDER SEED	T6498PC	98	249.8	16.7	58.0	1	33215
RENK SEED	RK582SSTX	98	245.7	15.8	56.9	0	31908
RENK SEED	RK571PCE	96	245.5	17.2	57.8	2	33432
RENK SEED	RK590VT2P	98	245.5	16.1	57.3	0	33106
DAHLMAN SEED	3096PCE	96	242.0	17.2	57.5	0	32343
RENK SEED	RK579DGVT2P	99	232.6	16.9	56.9	0	32997
	Trial Average		257.5	16.6	57.8	0	32900
	LSD (0.05)†		14.7	0.7	0.7	-	1015
	C.V.‡		2.0	2.9	0.8	-	2

* 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.