



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

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

2023 South Dakota Corn Hybrid Trial Results Bath

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Location: 5 miles south and 1 mile east of Bath in Brown County, SD
45.392864°, -98.306873°

Cooperator: Gordon and Roger Locken Farms

Soil Type: Grent Bend-Beotia silt loams, 0-2% slopes

Fertilizer: 30-10-10 starter + 174-83-0-13S 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: 5/16/23

Date harvested: 11/3/23

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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 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)
Thunder Seed	T6294 VT2P	94	256.4	18.2	59.1	0.0	33100
Dahlman Seed	R47-24VT2PRIB	94	255.6	18.2	56.2	0.3	32500
Legacy Seeds	LC454-22 VT2P	94	252.1	18.7	57.4	0.0	32700
Dahlman Seed	R48-239VT2PRIB	95	251.9	18.8	57.2	0.3	33100
Dairyland Seed	DS-3477AM	94	251.2	18.2	56.6	0.0	32500
Renk Seed	RK444VT2P	91	250.2	18.7	57.3	0.0	32700
Peterson Farms Seed	71R95	95	249.7	18.2	59.2	0.0	33100
Check	DKC48-95-RIB	98	247.5	19.1	58.5	1.3	33100
Peterson Farms Seed	72Q94	94	247.1	18.4	57.6	0.0	32900
Jacobsen Seed	JS9542VT2P	95	246.6	18.1	59.3	0.3	33100
Thunder Seed	T6396 VT2P	95	246.4	18.4	57.2	0.0	33100
Peterson Farms Seed	77H90	90	245.8	17.3	57.5	0.7	32700
Jacobsen Seed	JS9591VT2P	95	244.6	19.0	57.7	0.6	32700
Farmer Check 2	55C96	96	244.0	19.0	56.4	3.6	32500
Dahlman Seed	R45-25VT2PRIB	90	243.8	18.5	56.8	0.3	32500
Dahlman Seed	R45-236VT2PRIB	90	242.6	17.4	59.0	0.0	33100
Dahlman Seed	R48-28VT2PRIB	95	241.5	18.6	57.6	0.0	32300
Peterson Farms Seed	74V91	91	240.9	18.1	56.5	0.0	33100
Peterson Farms Seed	74B92	92	240.8	17.6	58.9	0.0	33100
Dahlman Seed	3088PCW	85	238.8	17.6	57.1	0.0	33100
Dahlman Seed	R46-313SSRIB	94	238.6	18.2	57.8	1.0	32300
Dairyland Seed	DS-3159AM	91	236.0	18.2	56.4	0.6	32900
Peterson Farms Seed	72A91	91	234.7	18.0	57.1	0.0	32900
Renk Seed	RK502SSTX	95	233.3	18.6	56.0	0.3	32300
Renk Seed	RK561DGVT2P	95	233.2	18.9	57.2	0.0	32700
Peterson Farms Seed	74R89	89	230.3	17.2	57.2	0.0	32900
Jacobsen Seed	JS9182VT2P	91	229.7	18.8	56.9	0.6	33100
Thunder Seed	T6992 VT2P	92	228.0	18.6	57.3	0.3	32700
Dahlman Seed	R43-24VT2PRIB	85	226.8	17.6	57.5	0.0	32700
Dahlman Seed	R42-28VT2PRIB	85	212.5	17.0	57.8	0.0	32500
Farmer Check 1	LH4699SSRIB	96	203.9	19.0	58.0	0.0	31200
Trial Average			240.1	18.2	57.5	0.3	32800
LSD (0.05)†			9.5	0.5	0.5	-	1000
C.V.‡			2.8	-	-	-	-

* 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 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)
Dairyland Seed	DS-3881AM	98	266.3	20.3	55.5	0.0	32500
Proseed	2196 VT2PRIB	96	263.1	18.9	55.7	0.0	32700
Renk Seed	RK582SSTX	98	261.8	18.7	56.7	0.0	32700
Legacy Seeds	LC465-23 PWE	96	261.3	19.4	56.1	6.4	32900
Jacobsen Seed	JS9902VT2P	99	260.2	18.5	58.0	0.0	33100
Channel	200-42VT2PRIB	100	258.5	20.6	56.1	0.0	33100
Jacobsen Seed	JS0063VT4	100	257.0	20.6	55.4	0.6	33100
Thunder Seed	T6298 VT2P	98	256.6	18.9	56.8	0.0	32900
Renk Seed	RK590VT2P	98	255.7	19.0	55.7	0.7	32100
Renk Seed	RK579DGV2P	99	255.5	19.8	56.8	0.0	32300
Thunder Seed	T6498 PC	98	255.2	19.7	55.9	1.0	32900
Dahlman Seed	R49-29VT2PRIB	98	254.3	19.3	55.7	0.0	32300
Jacobsen Seed	JS9672VT2P	96	254.2	19.0	57.5	1.0	33100
Dahlman Seed	R50-25VT2PRIB	100	251.3	20.0	56.6	0.6	33100
Proseed	2398 TRERIB	98	250.9	19.1	56.0	0.0	32700
Thunder Seed	T6300 VT2P	100	249.2	19.8	56.2	1.0	32700
Dahlman Seed	3096PCW	96	248.6	19.5	56.0	2.6	32300
Thunder Seed	T6497 TRE	97	247.9	18.4	57.1	0.0	32700
Dahlman Seed	R49-340SSRIB	98	243.6	19.3	57.5	0.6	32900
Renk Seed	RK571PWE	96	243.0	19.2	56.2	8.6	32100
Dairyland Seed	DS-3601AM	96	242.8	19.6	55.1	2.6	32700
Jacobsen Seed	JS9723TRE	97	242.5	18.3	56.8	0.3	32500
Check	DKC48-95-RIB	98	240.7	19.1	58.3	0.3	33100
Farmer Check 1	P9624Q	96	239.3	19.2	56.2	1.4	31900
Farmer Check 2	4792VT2P	97	237.3	18.3	56.9	0.3	33100
Renk Seed	RK597SSPRO	99	234.5	18.7	57.2	0.0	33100
Proseed	1996 VT2PRIB	96	227.3	19.1	57.7	0.3	31400
Trial Average			250.3	19.3	56.5	1.1	32700
LSD (0.05)†			11.1	0.7	0.6	-	1000
C.V.‡			3.2	-	-	-	-

* 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.