



**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 Alexandria

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

Location: 5 1/2 miles north and 1 mile east of Alexandria in Hason County, SD
43.739604°, -97.768031°

Cooperator: Jared Schultz

Soil Type: Clarno-Bonilla loams, 0-2% slopes

Fertilizer: 30-10-10 starter + 141-65-0 preplant broadcast

Previous crop: soybeans

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 32 oz/acre Roundup PowerMax + 1.4 qt/acre Harness Xtra 6L + 3 oz/acre Callisto
Post: 25 oz/acre Roundup PowerMax + 25 oz/acre DiFlexx Duo + 8.5 lb/100 AMS

Date seeded: 5/4/23

Date harvested: 11/6/23



2023 South Dakota Corn Hybrid Trial Results Alexandria

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (102 day maturity or less) at Alexandria, 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	LC494-23 PWE	99	216.5	15.4	58.1	0.3	32700
Renk Seed	RK628VT2P	102	215.5	15.5	57.4	0.0	32900
Legacy Seeds	LC512-22 VT2P	101	209.1	15.4	57.2	0.6	33100
Renk Seed	RK579DGV2P	99	208.5	15.4	57.3	0.0	33100
Check	DKC48-95RIB	98	205.8	15.3	59.1	0.0	32700
Hoegemeyer	7138 AM	101	204.4	15.7	56.4	0.3	33100
Dairyland Seed	DS-4219AM	102	202.0	15.7	55.8	0.0	32300
Hoegemeyer	7094 Q	100	201.3	15.1	59.5	0.0	33100
Renk Seed	RK60XPWE	101	199.9	15.6	56.3	0.0	33100
Renk Seed	RK609VT2P	101	199.0	15.0	57.8	0.0	31700
Renk Seed	RK600VT2P	100	199.0	15.5	56.5	0.7	32700
Renk Seed	RK582SSTX	98	198.1	15.4	56.5	0.0	32900
Renk Seed	RK590VT2P	98	193.0	15.2	56.4	0.6	32700
Hoegemeyer	6963 AM	99	191.4	15.3	58.0	0.3	32700
Hoegemeyer	6941 AM	99	191.0	15.5	57.6	0.3	32900
Farmer Check 2	M02-73BGV	102	185.5	15.4	58.3	0.0	33100
Renk Seed	RK597SSPRO	99	184.4	15.7	56.2	0.0	32900
Legacy Seeds	LC492-22 VT2P	98	183.8	15.2	56.0	0.3	32500
Farmer Check 1	1G-011	101	175.5	16.0	56.1	2.9	32500
Trial Average			198.1	15.4	57.2	0.3	32800
LSD (0.05)†			11.7	0.3	0.9	-	800
C.V.‡			4.2	-	-	-	-

* 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.



2023 South Dakota Corn Hybrid Trial Results Alexandria

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Late Season Trial** (103 day maturity or more) at Alexandria, 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	RK625DGVT2P	104	209.9	15.4	57.0	0.0	32900
Renk Seed	RK707TRE	106	208.3	15.4	55.8	0.3	32900
Dairyland Seed	DS-4567Q	105	206.8	15.2	58.6	0.0	32900
Farmer Check 2	PX08-97VT2RIB	108	201.8	15.6	56.7	0.0	32900
Legacy Seeds	LC544-22 PWE	104	200.8	15.3	58.1	0.0	33100
Hoegemeyer	7681 AML	106	199.2	15.8	56.4	0.0	32700
Renk Seed	RK69XPWE	106	198.3	15.3	57.6	0.0	32900
Check	DKC48-95RIB	98	195.5	15.2	58.4	0.0	32500
Farmer Check 1	P0688	106	194.9	15.9	58.2	0.0	32300
Legacy Seeds	LC534-23 TRE	103	187.4	15.2	56.7	2.3	32900
Trial Average			200.3	15.4	57.3	0.3	32800
LSD (0.05)†			12.5	0.4	0.8	-	300
C.V.‡			4.3	-	-	-	-

* 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.