



**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 South Shore

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**Location:** 8.5 miles west of South Shore in Codington County, SD  
45.106946°, -97.098724°

**Cooperator:** South Dakota State University Northeast Reserach Farm

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

**Fertilizer:** 30-10-10 starter + 300-0-100 broadcast preplant

**Previous crop:** soybeans

**Tillage:** conventional

**Row spacing:** 30 inches

**Seeding Rate:** 32,000/acre

**Herbicide:** Pre: 1.5 pt/acre Surpass + 1 pt/acre Atrazine  
Post: 1 qt/acre Roundup PowerMax + 3 pz/acre Callisto

**Date seeded:** 5/5/23

**Date harvested:** 11/2/23

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S-0002-08



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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) |
| Renk Seed            | RK444VT2P      | 93                    | 206.9              | 19.6     | 56.4              | 0.0         | 31300                  |
| Dahlman Seed         | R45-25VT2PRIB  | 90                    | 204.2              | 19.3     | 56.4              | 0.0         | 32000                  |
| Thunder Seed         | T6396 VT2P     | 95                    | 198.2              | 20.0     | 56.4              | 0.0         | 32100                  |
| Renk Seed            | RK502SSTX      | 95                    | 197.3              | 19.2     | 56.1              | 0.0         | 30100                  |
| Dahlman Seed         | R45-236VT2PRIB | 90                    | 196.6              | 17.9     | 59.4              | 0.0         | 32300                  |
| Dairyland Seed       | DS-3477AM      | 94                    | 195.9              | 19.0     | 56.4              | 0.0         | 31600                  |
| Jacobsen Seed        | JS9591VT2P     | 95                    | 193.2              | 21.0     | 56.6              | 0.0         | 32200                  |
| Dahlman Seed         | R47-24VT2PRIB  | 94                    | 189.5              | 19.8     | 56.1              | 0.0         | 31900                  |
| Check                | DKC48-95RIB    | 98                    | 185.5              | 23.0     | 55.1              | 0.0         | 33000                  |
| Jacobsen Seed        | JS9542VT2P     | 95                    | 185.5              | 19.2     | 58.7              | 0.0         | 32400                  |
| Dairyland Seed       | DS-3599Q       | 95                    | 185.0              | 18.9     | 57.1              | 0.0         | 32400                  |
| Jacobsen Seed        | JS9182VT2P     | 91                    | 181.7              | 19.2     | 57.7              | 0.0         | 32500                  |
| Dahlman Seed         | R48-239VT2PRIB | 95                    | 179.7              | 19.9     | 58.3              | 0.0         | 31000                  |
| Legacy Seeds         | LC454-22 VT2P  | 94                    | 177.6              | 21.2     | 56.0              | 0.0         | 32300                  |
| Thunder Seed         | T6294 VT2P     | 94                    | 177.4              | 20.1     | 58.0              | 0.0         | 32400                  |
| Dairyland Seed       | DS-3159AM      | 91                    | 176.5              | 18.1     | 57.7              | 0.0         | 31700                  |
| Renk Seed            | RK561DGVT2P    | 95                    | 176.4              | 20.6     | 56.8              | 0.0         | 31800                  |
| Farmer Check 2       | NK86-18-AA     | 86                    | 170.1              | 18.5     | 59.1              | 0.0         | 32300                  |
| Thunder Seed         | T6992 VT2P     | 92                    | 162.0              | 18.8     | 57.8              | 0.0         | 33100                  |
| Farmer Check 1       | 2285VT2P       | 85                    | 153.5              | 17.6     | 58.2              | 0.0         | 30200                  |
| <b>Trial Average</b> |                |                       | 184.6              | 19.5     | 57.2              | 0.0         | 31900                  |
| <b>LSD (0.05)†</b>   |                |                       | 12.2               | 0.9      | 0.9               | -           | 700                    |
| <b>C.V.‡</b>         |                |                       | 4.7                | -        | -                 | -           | -                      |

\* 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.