Field Crop Varieties Recommended in South Dakota for 1971

Cooperative Extension South Dakota State University

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FIELD CROPS

Varieties Recommended for 1971

Cooperative Extension Service
South Dakota State University
United States Department of Agriculture
Field Crop Varieties Recommended in South Dakota for 1971

By Ralph A. Cline and Elmer E. Sanderson, Extension Agronomists—Crops

Crop adaptation areas of the state, shown on the map, are based on soil type, elevation, temperature, and rainfall. These factors largely determine the type of agriculture within these areas.

Varieties are recommended on the basis of length of growing season, average rainfall, disease frequency, and farming practices. Often an individual farm, due to its location or the management practiced by the operator, may more closely resemble conditions of an area other than the one in which the farm is located. Recommendations listed here should be considered in the light of this information.

**SMALL GRAIN**

**Winter Wheat**
- **Conquest**
  - Statewide
- **Dickson**
  - D1, D2
- **Larker**
  - A, B2, C1, D1, D2, D3
- **Primus II†**
  - Statewide

_Conquest, Larker, and Dickson approved for malting._

**Barley**
- **B-5128**
  - C1†, D1, D2, D3
- **Bolley**
  - All flax areas
- **Linott**
  - All flax areas
- **Nored**
  - All flax areas
- **Norstar**
  - D1, D2, D3
- **Summit**
  - All flax areas
- **Windom**
  - All flax areas

**Flax**
- **Antelope**
  - Statewide
- **Cougar**
  - Statewide
- **Frontier**
  - Statewide

**Rye**
- **Durum**
  - All durum wheat areas
- **Leeds**
  - All durum wheat areas
- **Wells**
  - All durum wheat areas

**Soybeans**
- **Anoka**
  - D1, D2, D3, D4†, E†
- **Chippewa & 64**
  - D1, D2, D3, D4†, E†
- **Corsoy**
  - D1, D3, D4, E
- **Hark**
  - D1, D3, D4, E
- **Rampage**
  - D1, D3, D4, E
- **Traverse**
  - D1, D2
- **Wayne**
  - D4†, E†

_Number designation indicates year of release of phytophthora root rot resistant selection._

**Hybrid Corn**
- **SD 220**
  - A, B1, B2, B3, D2
- **SD 230**
  - A, B1, B2, B3, D2
- **SD 240**
  - A†, B2, B3, C1†, D1†, D2†
- **SD 248 A**, **B1**, **B2, B3, C1, D2, D3
- **SD 250 A**, **B2**, **B3, C1, D1, D2, D3
- **SD 270**
  - B2*, B3, B4, C1, C2, D3, D4†, E†
- **SD 604**
  - A, B4, C3, D4, E

Commercial hybrid corn varieties are available and adapted for each crop adaptation area. Yield and maturity information on some hybrids is available in the South Dakota State University Experiment Station circular on "Corn Performance Trials."

**CROP ADAPTATION AREAS**

- **A Black Hills**
- **B1 Northwestern Tableland**
- **B2 North Central Glacial Upland**
- **B3 Pierre Plain**
- **B4 Southwestern Tableland**
- **C1 Northern James Valley**
- **C2 South Central Upland**
- **C3 South Central Tableland**
- **D1 Northeast Lowland**
- **D2 Northern Prairie Coteau**
- **D3 Central Prairie Coteau**
- **D4 Southern James Flatland**
- **E Southeast Prairie Upland**
Grain Sorghum

RS 608 C2*, C3, D4*, E*
RS 610 C2*, C3, D4*, E*
SD 102§ Statewide
SD 451 Statewide
SD 503 B3*, C2, C3, D4, E

Commercial hybrid grain sorghum varieties are available and adapted for each crop adaptation area. Yield and maturity information on some grain sorghum hybrids is available in Experiment Station circular on “Grain Sorghum Performance Trails.”

PASTURE AND FORAGE CROPS

Forage Sorghum

Rancher Statewide
Rox Orange (Waconia) Statewide
SD 252 F Statewide

Sudangrass

Piper Statewide

Commercial hybrid forage sorghum, sorghum-sudangrass crosses, and hybrid sudangrass varieties are available and adapted for each crop adaptation area.

Legumes

Alfalfa (hay type)

Dawson Statewide

Alfalfa (pasture type)

Rambler Statewide
Teton Statewide
Travois Statewide

All of these alfalfa varieties are approved for cost sharing under the ACP program. Varieties other than those listed are approved for cost sharing. Your County ASCS office has a list of eligible varieties.

Birdsfoot trefoil

Empire A, C1, D1, D2, D3, D4, E

Grasses (Cool Season)

Crested wheatgrass

Fairway Statewide
Nordan Statewide

Green needlegrass

Lodorm B1, B2, B3, B4, C2, C3, D1, D2, D3

Intermediate wheatgrass

Oahe Statewide

Creeping foxtail (low, wet areas)

Garrison Statewide

Reed canarygrass (low, wet areas)

Frontier Statewide

Russian wildrye

Vinall B1, B2, B3, B4, C2, C3, D1, D2, D3

Smooth brome

Achenbach Statewide
Lincoln Statewide
Sac Statewide

Tall wheatgrass (low, wet alkaline areas)

Alkar Statewide

Grasses (Warm Season)

Sideoats Grama

Pierre B1, B2, B3, B4, C2, C3

Switchgrass

Summer Statewide

Millet

Foxtail Statewide

Proso

Panhandle Statewide

*Southern counties of this area
†Northern counties of this area
††For both irrigation and dryland
§Recommended only for late planting in areas D4 and E.

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture.

John T. Stone, Dean of Extension, South Dakota State University, Brookings.

10M—12-70—File: 1.4—Replaces FS 484—997

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Varieties

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