Field Crop Varieties Recommended in South Dakota for 1977

Cooperative Extension South Dakota State University

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Field Crops

Varieties

Recommended in South Dakota for 1977

Cooperative Extension Service
South Dakota State University
U.S. Department of Agriculture
Field Crop Varieties Recommended in South Dakota for 1977

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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 each area.

Varieties are recommended on the basis of length of growing season, average rainfall, disease frequency, economic factors 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. Varieties are listed alphabetically and not in order of preference.

Some varieties are listed as “acceptable” if they appear promising, but there is too little South Dakota research data to warrant recommendation. Varieties which yield well, but have a weakness such as straw strength, quality or disease resistance, are also listed as acceptable.

Certified seed is your best source of seed, and the only way you can be assured of the actual identity of the variety you purchase.

Variety Area of Best Adaptation

**OATS**

**Recommended**

Burnett...............A,B1,B2,B3,B4,C1,C2,C3
Chief....................Statewide
Dak†....................C1+, D1,D2,D3
Diana....................Statewide
Noble†....................Statewide
Nodaway 70............Statewide
Ote....................C2, C3,D4,E
Spear....................Statewide
Stout†....................Statewide
Trio....................Statewide

**Acceptable**

Astro...............B1,B3+, C1+, D1,D2,D3
Froker....................C1+, D1,D2,D3
Holden...............B2,C1,D2,D3,D4,E
Multiline E Series.............D4,E
Portal...............B2,C1,D1,D2,D3,D4,E

* Southern counties of this area.
+ Northern counties of this area.
† Submitted for protection under the Plant Variety Protection Act. Sale of seed of these varieties by name is restricted to classes of certified seed.

**BARLEY**

**Recommended**

Larker........A,B2,C1,D1,D2,D3,E
Prilar...................Statewide
Primus II..............Statewide

**Acceptable**

Beacon..............C1+, D1,D2
Firlbecks III (Irrigation) A,B2,B3,B4

Larker and Beacon are approved for malting.

**SOYBEANS**

**Recommended**

Corsoy..................D1,D3,D4,E
Evans†..................D1,D2,D3
Hodgson†..............D1,D2,D3
Swift....................D1,D2,D3
Wayne....................D4*, E*
Wells†..................D1,D3,D4,E
Woodworth...............D4*, E*

**Acceptable**

Amsoy 71†..............D4,E
Harcor..................D1,D3,D4,E

CROP ADAPTATION AREAS
CORN and SORGHUM

Commercial corn hybrids, sorghum hybrids and varieties are available for each crop adaptation area. Yield and maturity information on many corn and grain sorghum hybrids are available in the South Dakota Agricultural Experiment Station circulars "Corn Performance Trials" and "Grain Sorghum Performance Trials."

LEGUMES

Alfalfa (hay type)
Agate x ................................ Statewide
Dawson ..................................D4,E
Iroquois ................................ Statewide
Ladak 65 .......................... A,B1,B2,B3,C1,D2
Vernal ..................................Statewide

Alfalfa (pasture type)
Rambler ................................ Statewide
Teton ......................................Statewide
Travois ..................................Statewide

Commercial alfalfa varieties adapted to South Dakota are available. Comparative data on many of these are contained in the Plant Science pamphlet "Alfalfa Performance Trials." Variety descriptions for many varieties are on file in local County Extension Offices.

Birdsfoot trefoil
Empire .................. A,C1,D1,D2,D3,D4,E
Carroll .................. A,C1,D1,D2,D3,D4,E

FLAX

Culbert .................. Statewide
Linott .................. Statewide

RYE

Cougar .................. Statewide
Puma .................. Statewide
Rymin .................. Statewide

GRASSES (Cool-Season)

Crested Wheatgrass
Fairway .................. Statewide
Nordan .................. Statewide

Intermediate Wheatgrass
Oahe .................. Statewide

Creeping foxtail (low, wet areas)
Garrison .................. Statewide

Reed Canarygrass (low, wet areas)
Frontier .................. Statewide
Rise .................. Statewide

Russian wildrye
Vinall .................. Statewide

Smooth Brome
Achenback .................. Statewide
Fox .................. 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 .................. D3,D4,E
Nebraska $8 .................. Statewide

MILLETS

Foxtail
Manta .................. Statewide

Proso
Cerise .................. Statewide
Panhandle .................. Statewide
Snobird .................. Statewide

NATIVE GRASSES

When adapted varieties are not available, select seed from a similar precipitation zone originating not over 150-200 miles north or 250-300 miles south of where the seeding is to be made.

x Resistant to Phytophthora root rot, which is a problem on poorly drained soils.