1980

Field Crop Varieties Recommended in South Dakota for 1980

Cooperative Extension South Dakota State University

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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.

Detailed information on varieties and yields is available from your local County Extension agent and in the following publications: FS 308 Corn Sorghum Production, FS 383 Spring Wheat Production, FS 384 Oat Production in South Dakota, FS 485 Barley Production in South Dakota, and FS 488 Flax Production in South Dakota.

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.

**WINTER WHEAT**

**Recommended**
- Agate
- Bennett
- Buckskint
- Centurk & Centurk 78
- Eagle
- Gent
- Rall
- Sage
- Scout 66
- Winoka

**Acceptable**
- Lancer
- Roughrider

Winter wheat production in B1, B2, C1, D1, D2 and D3 entails somewhat more risk and affects variety selection. The choice of cultural practices is as important as the choice of varieties.

**SPRING WHEAT**

**Recommended**
- Butte
- Era
- Eureka
- Olaf
- Protor

**Acceptable**
- Fortuna
- James
- Len
- Waldron
- World Seeds 1809

**DURUM WHEAT**

**Recommended**
- Botno
- Crosby
- Rolette
- Rugby
- Ward

**Acceptable**
- Bates
- Bensont
- Lancer
- Lang

**OATS**

**Recommended**
- Burnett
- Chief
- Lyon
- Stout
- Wright

**Acceptable**
- Bates
- Bensont
- Lancer
- Lang

**BARLEY**

**Recommended**
- Larker
- Morex
- Prilar
- Primus II

**Acceptable**
- Beacon
- Glenn
- Park

(Larker, Beacon, Morex, Park and Glenn are approved for malting.)

**SOYBEANS**

**Recommended**
- Corsoy
- Evans
- Hodgson & Hodgson 78
- Swift

**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
Yield and maturity information on many soybean varieties are available in the Plant Science pamphlet "Soybean Performance Trials," revised annually.

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.

Researchers have found that corn and grain sorghum hybrids are available in the South Dakota Agricultural Experiment Station circulars: "Corn Performance Trials," and "Grain Sorghum Performance Trials," which are revised annually.

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
Recommended
Culbert & Culbert 79 . . flax areas
Dufferin . . . . . . . . . . . . . . . flax areas
Linott . . . . . . . . . . . . . . . flax areas
Wishek . . . . . . . . . . . . . . . flax areas

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
Achenbach . . . . . . . . . . . . . . . statewide
Lincoln . . . . . . . . . . . . . . . statewide
Rebound! . . . . . . . . . . . . . . . statewide
Sae . . . . . . . . . . . . . . . statewide

Tall wheatgrass (low, wet alkaline areas)
Alkar . . . . . . . . . . . . . . . statewide

GRASSES (Warm-season)
Switchgrass
Summer . . . . . . . . . . . . . . . D3, D4, E
Nebraska 28 . . . . . . . . . . . . . . . statewide

MILLET
Foxtail
Manta . . . . . . . . . . . . . . . statewide

Proso
Cerise . . . . . . . . . . . . . . . statewide
Minco . . . . . . . . . . . . . . . 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.

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

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