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Cooperative Extension South Dakota State University

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Field Crop Varieties Recommended in South Dakota for 1979

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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 Grain 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† A, B1, B2, B3, B4, C2, C3
Buckskint† A, B1, B3, B4, C2, C3
Centurk† statewide
Eagle B1, B3, B4, C2, C3
Gent statewide
Rall B1, B3, B4, C2, C3
Sage A, B1, B3, B4, C2, C3
Scout 66 A, B1, B3, B4, C2, C3
Winoka B1, B2, C1, D1, D2
Acceptable
Bennett† A, B1, B3, B4, C2, C3
Homestead† B1, B3, B4, C2, C3

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
Era D1, D2, D3, D4, E
Olaf statewide
Protot statewide
World Seeds 1809† statewide
Acceptable
Butte statewide
Eureka† statewide
Fortuna B1, B2
Waldron statewide
World Seeds 25† statewide

DURUM WHEAT
Recommended
Botno all durum wheat areas
Crosby all durum wheat areas
Rolette all durum wheat areas
Rugby all durum wheat areas
Ward all durum wheat areas

OATS
Recommended
Burnett A, B1, B2, B3, B4, C1, C2, C3
Chief D1, D2, D3, D4, E
Dal† C1†, D1, D2, D3
Lyon B1, B3†, C1†, D1, D2, D3
Spear D1, D2, D3, D4, E
Stout† statewide
Wright† B1, B3†, C1†, D1, D2, D3

Acceptable
Bates B2†, C2, C3, B4
Froker D1, D2, D3
Lang B1, B2†, B3, B4, C1†, C2, C3, D3, D4, E
Noble† D4, E
Nodaway 70 B1, B2†, B3, B4, C1†, C2, C3, D3, D4, E
Otee C2, C3, D4, E

BARLEY
Recommended
Larker A, B1, C1, D1, D2, D3, E
Morex† A, B1, C1, D1, D2, D3, E
Prilar statewide
Primus II statewide

Acceptable
Beacon C1†, D1, D2
Firlbeck 111 (irrigation) A, B2, B3, B4

Larker, Beacon and Morex are approved for malting.

SOYBEANS
Recommended
Corsoy D1, D3, D4, E
Evans† D1, D2, D3
Harcor D1, D3, D4, E
Hodgson† D1, D2, D3
Swift D1, D2, D3

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
Wayne ............ D4*, E*
Wells† ............ D1, D3, D4, E
Woodworth ......... D4*, E*

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.

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”, which are revised annually.

LEGUMES Alfalfa (hay type) Agate§ ............ statewide
Baker† ............ statewide
Dawson ............ D4, E
Iroquois .......... nationwide
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 Recommended
Culbert ............ all flax areas
Linott ............ all flax areas

Acceptable
Dufferin ........ northern 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

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

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