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Field Crop Varieties Recommended in South Dakota for 1969

Cooperative Extension South Dakota State University

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FIELD CROPS

Varieties
Recommended for 1969



**Cooperative Extension Service
South Dakota State University
United States Department of Agriculture**

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.

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Field Crop Varieties Recommended in South Dakota for 1969

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

variety area of best adaptation

Winter Wheat

Gage.....	A, B4, C2, C3
Guide.....	A, B4, C2, C3
Hume.....	All winter wheat areas
Lancer.....	A, B2*, B3, B4, C2, C3, D4, E
Minter.....	A, B1, B2*, B3, C1*, D4, E
Scout.....	B3, B4, C2, C3
Scout 66.....	B3, B4, C2, C3
Trader.....	A, B2*, B3, B4, C2, C3, D4, E
Trapper.....	A, B2*, B3, B4, C2, C3, D4, E
Winoka.....	All winter wheat areas

Winter wheat production under the high risk conditions of areas B1, B2, and C1 means selecting the most hardy varieties.

Spring Wheat

Chris†.....	Statewide
Fortuna.....	B1, B2, C1
Justin.....	B1, B2†, C1†, D1, D2
Manitou.....	Statewide
Polk.....	Statewide
Sheridan.....	A, B1, B2, B3, C1

Durum

Leeds.....	All durum wheat areas
Wells.....	All durum wheat areas

Oats

Brave.....	Statewide
Burnett†.....	Statewide
Clintonland 64.....	C2, C3, D2, D3, D4, E
Coachman†.....	A, B1, B2, B3, C1, D1, D2, D3
Dupree.....	B1, B2, B3, B4, C2, C3
Garland.....	B2, C1, D1, D2, D3, D4, E
Holden.....	B2, C1, D1, D2, D3, D4, E
Jaycee.....	C1*, C2, C3, D3, D4, E
Kelsey.....	B2†, C1†, D1, D2, D3
Lodi.....	C1†, D1, D2, D3
Portal.....	B2, C1, D1, D2, D3, D4, E
Rodney.....	C1†, D1, D2, D3
Sioux.....	B2†, C1†, D1, D2, D3
Tippecanoe**.....	Statewide
Tyler**.....	Statewide

Barley

Conquest.....	Statewide
Dickson.....	A, B2, C1, D1, D2, D3
Larker.....	A, B2, C1, D1, D2, D3
Liberty†.....	Statewide
Primus†.....	Statewide
Primus II†.....	Statewide
Spartan.....	A, B1, B2*, B3, B4, C2, C3

Conquest, Larker, and Dickson approved for malting; Primus and Primus II not yet approved.

Flax

B-5128.....	C1†, D1, D2, D3
Bolley.....	All flax areas
Nored.....	All flax areas
Redwood.....	C1†, D1, D2, D3
Summit.....	All flax areas
Windom.....	All flax areas

Rye

Antelope.....	Statewide
Caribou.....	Statewide
Frontier.....	Statewide

ROW CROPS

variety area of best adaptation

Soybeans

Amsoy.....	D4, E
Chippewa & 64.....	D1, D2, D3
Corsoy.....	D3*, D4, E
Grant.....	D1, D2
Hark.....	D1, D2, D3, D4, E
Hawkeye & 63.....	D4, E
Traverse.....	D1, D2
Wayne.....	D4*, E*

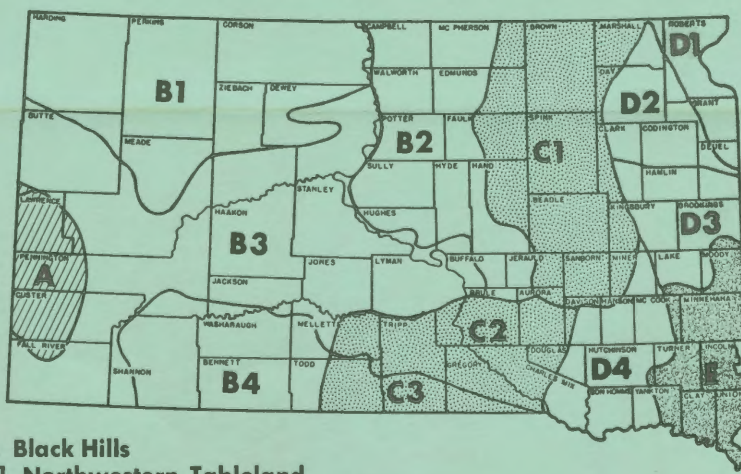
Number designation indicates year of release of phytophthora root rot resistant selection.

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, D, D3, D4†, E†
SD 420.....	A, B4, C1*, C2, C3, 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 441§.....	Statewide
SD 451.....	Statewide
SD 503.....	B3*, C2, C3, D4, E

Commercial hybrid 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 Trials."

PASTURE AND FORAGE CROPS

variety area of best adaptation

Forage Sorghum

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

Sudangrass

Piper.....	Statewide
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Legumes

Alfalfa (hay type)	
Dawson.....	Statewide
Ladak.....	A, B1, B2, B3, C1, D2
Ranger.....	Statewide
Vernal.....	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.

Sweetclover

Denta.....	Statewide
Goldtop.....	Statewide
Madrid.....	Statewide

Red clover

Dollard.....	A, C1, D1, D2, D3, D4, E
Lakeland.....	A, C1, D1, D2, D3, D4, E

Birdsfoot trefoil

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

Grasses (Cool Season)

Crested wheatgrass

Fairway.....	Statewide
Nordan.....	Statewide

Green needlegrass

Green Stipa.....	B1, B2, B3, B4, C2, C3, D1, D2, D3
Mandan 2611.....	B1, B2, B3, B4, C2, C3, D1, D2, D3

Intermediate wheatgrass

Amur.....	Statewide
Oahe.....	Statewide

Creeping foxtail (low, wet areas)

Garrison.....	Statewide
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Pubescent wheatgrass

Mandan 759.....	Statewide
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Reed canarygrass (low, wet areas)

Frontier.....	Statewide
Ioreed.....	Statewide

Russian wildrye

Vinall.....	B1, B2, B3, B4, C2, C3, D1, D2, D3
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Smooth brome

Achenbach.....	Statewide
Lincoln.....	Statewide
Lancaster.....	Statewide
Sac.....	Statewide

Tall wheatgrass (low, wet alkaline areas)

Alkar.....	Statewide
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Grasses (Warm Season)

Sideoats Grama

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

Switchgrass

Nebraska 28.....	Statewide
Summer.....	Statewide

Millet

Foxtail

German.....	Statewide
Manta.....	Statewide

Proso

Panhandle.....	Statewide
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*Southern counties of this area

**Where straw strength is needed

†Northern counties of this area

‡For both irrigation and dryland

§Recommended only for late planting in areas D4 and E.

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