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Field Crop Varieties Recommended in South Dakota for 1968

Cooperative Extension South Dakota State University

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Recommended Citation

South Dakota State University, Cooperative Extension, "Field Crop Varieties Recommended in South Dakota for 1968" (1967). *SDSU Extension Fact Sheets*. 1064.

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FIELD CROPS

**Varieties
Recommended for 1968**



**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.

15M—12-67—File: 1.4—Replaces FS 329—6871

Field Crop Varieties Recommended in South Dakota for 1968

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
Hume	A, B3, C2, D4, E
Lancer	A, B3*, B4, C2, C3, D4, E
Minter	A, B3, D4, E
Scout	B3, B4, C2, C3
Scout 66	B3, B4, C2, C3
Winalta	A, B3, C2, D4, E

Winter wheat production under the high risk conditions of areas B1, B2, and C1 means selecting the most hardy varieties. Good yields will also depend on a favorable climate and the best cultural practices.

Spring Wheat

Chris†	Statewide
Crim	Statewide
Fortuna	B1
Justin	B1, B2†, C1†, D1, D2
Manitou	Statewide
Rushmore	A, B1, B2, B3
Sheridan	A, B1, B2, B3, C1

Durum

Leeds	B1, B2, C1, C2, D1, D2, D3
Wells	B1, B2, C1, C2, D1, D2, D3

Oats

Brave	Statewide
Burnett‡	Statewide
Clintland 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	D1, D2, D3†
Portal	B2, C1, D1, D2, D3, D4, E
Rodney	C1†, D1, D2, D3
Santee	B3*, B4, C2, C3, D4, E
Sioux	B2†, C1†, D1, D2, D3
Tippecanoe**	Statewide
Tyler**	Statewide

Barley

Dickson	A, B2, C1, D1, D2, D3
Larker	A, B2, C1, D1, D2, D3
Liberty‡	Statewide
Primus‡	Statewide
Spartan	A, B1, B2*, B3, B4, C2, C3

Larker and Dickson approved for malting; Primus not yet approved.

Flax

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

Rye

Antelope	Statewide
Caribou	Statewide
Pierre	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.

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

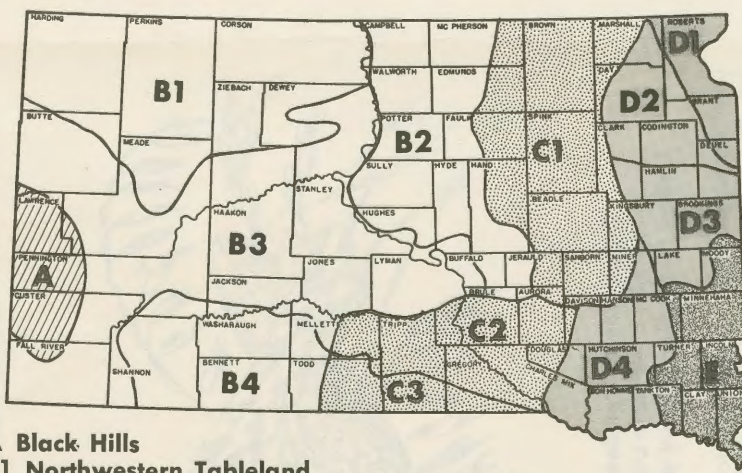
Forage Sorghum

Rancher	Statewide
Rox Orange (Waconia)	Statewide
39-30-S	Statewide
SD 252 F	Statewide

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."

*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.

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

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, D1, 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."

PASTURE AND FORAGE CROPS

variety	area of best adaptation
	Sudangrass
Piper	Statewide

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

Several other varieties are approved for cost-sharing under the ACP program because they are suf-

ficiently winter hardy to maintain a stand for 2 or 3 years. Some are not recommended for hay or pasture production because they lack yielding ability or have not been adequately tested. As with other commercially developed crops, the policy of the Experiment Station is not to make specific recommendations even though they may perform satisfactorily.

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)

PI 98526	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

Crown (gray)	Statewide
Early Fortune (red)	Statewide
Red Turghai	Statewide
White	Statewide

*Southern counties of this area

**Where straw strength is needed

†Northern counties of this area

‡For both irrigation and dryland

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