

South Dakota State University

Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange

SDSU Extension Fact Sheets

SDSU Extension

1965

Field Crop Varieties in South Dakota

Ralph A. Cline

Elmer E. Sanderson

Follow this and additional works at: https://openprairie.sdstate.edu/extension_fact

Recommended Citation

Cline, Ralph A. and Sanderson, Elmer E., "Field Crop Varieties in South Dakota" (1965). *SDSU Extension Fact Sheets*. 1297.

https://openprairie.sdstate.edu/extension_fact/1297

This Fact Sheet is brought to you for free and open access by the SDSU Extension at Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. It has been accepted for inclusion in SDSU Extension Fact Sheets by an authorized administrator of Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. For more information, please contact michael.biondo@sdstate.edu.

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.



For current policies and practices, contact SDSU Extension

Website: extension.sdstate.edu

Phone: 605-688-4792

Email: sdsu.extension@sdstate.edu

SDSU Extension is an equal opportunity provider and employer in accordance with the nondiscrimination policies of South Dakota State University, the South Dakota Board of Regents and the United States Department of Agriculture.

Field Crop Varieties

By RALPH A. CLINE and ELMER E. SANDERSON,
Extension Agronomists—Crops

Published and distributed in furtherance of the Acts of Congress of May 8 and June 30, 1914, by the Cooperative Extension Service of South Dakota State University, Brookings, John T. Stone, Director, U. S. Department of Agriculture cooperating.
10M-1-65-File: 1.1-replaces FS 179-2098

Field Crop Varieties in South Dakota

The crop adaptation areas of the state, shown on the map, have been outlined on the basis of 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 these possibilities.

SMALL GRAIN

variety area of best adaptation

Winter Wheat

Gage	B4, C2, C3
Lancer	B3*, B4, C2, C3
Minter	D4, E
Nebred	B3, B4, C2, C3
Omaha	B4, C2, C3, D4, E
Ottawa	B3*, B4, C2, C3
Scout	B4, C2, C3
Warrior	B3*, B4, C2, C3
Winalta	B1, B3, C2

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

Canthatch	B1
Crim	Statewide
Justin	B1, B2†, C1†, D1, D2, D3
Lee†	Statewide
Pembina	B1, B2, C1, D1, D2, D3
Rushmore	A, B1, B2, B3, B4, C2
Selkirk†	B1, B2, C1, D1, D2, D3

Durum

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

Oats

Andrew†	Statewide
Bonkee	D4, E
Brave	Statewide
Burnett†	C1, C2, D1, D2, D3, D4, E
Clintland 64	C2, C3, D2, D3, D4, E
Dodge	C1, D1, D2, D3, D4, E
Dupree	B1, B2, B3, B4, C2, C3
Garrland	C1, D1, D2, D3, D4, E
Garry	C1, D1, D2, D3
Lodi	D1, D2, D3†
Minhafer	Statewide
Mo-0-205†	Statewide, except B1
Neal	B2*, B3*, B4, C2, C3, D4
Ortley	C1†, D1, D2, D3

Portage	C1†, D1, D2, D3
Rodney	C1†, D1, D2, D3
Tippecanoe	C1*, C2, C3, D3, D4, E

Feed Barley

Liberty†	Statewide
Plains	Statewide
Spartan	A, B1, B2*, B3, B4, C2, C3

Malting Barley

Larker	A, B2, C1, D2, D3
Trail†	A, B2†, C1, D1, D2, D3
Trophy	A, B2†, C1†, D1, D2, D3

Flax

B-5128	C1, D1, D2, D3
B-5128 (SS)	C1, D1, D2, D3
Bolley	All flax areas
Redwood	C1, D1, D2, D3
Summit	All flax areas
Windom	All flax areas

The above flax varieties are resistant to all prevalent races of flax rust, including Race 300.

Rye

Antelope	Statewide
Caribou	Statewide
Pierre	Statewide

ROW CROPS

variety area of best adaptation

Soybeans

Blackhawk	D1, D3, D4, E
Chippewa	D1, D2, D3
Chippewa 64	D1, D2, D3
Ford	D4, E
Grant	D1, D2, D3
Harosoy	D3*, D4, E
Harosoy 63	D3*, D4, E
Hawkeye	D4, E
Hawkeye 63	D4, E
Lindarin	D3*, D4, E
Lindarin 63	D3*, D4, E

Sorghum (Grain)

RS 501	Statewide
RS 608	B4, C2*, C3, D4*, E*
RS 610	B4, C2*, C3, D4*, E*
SD 102§	Statewide
SD 441§	Statewide
SD 451	Statewide
SD 502	B4, C2, C3, D4, E
SD 503	B4, C2, C3, D4, E
Winner (emergency crop)	Statewide

Sorghum (Forage)

Leoti Red	B2*, B3*, B4, C1*, C2, C3, D4, E
-----------	----------------------------------

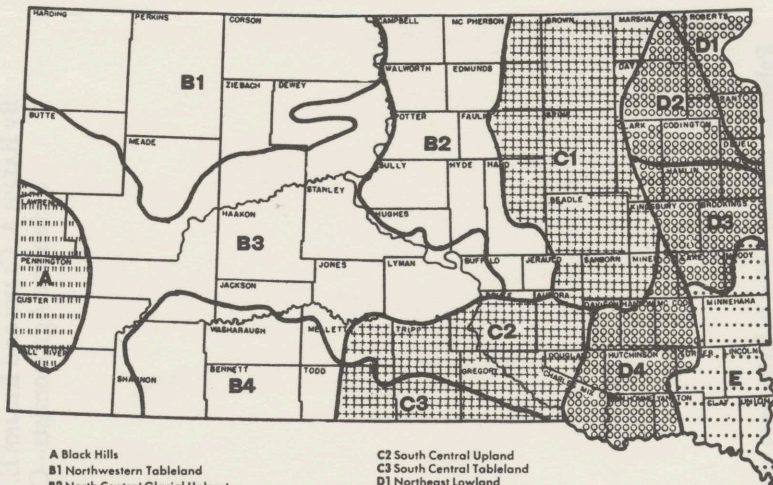
*Southern counties of this area.

†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

Norkan _____
 B2*, B3*, B4, C1*, C2, C3, D4, E
 Rancher _____ Statewide
 Rox Orange _____
 B2*, B3*, B4, C1*, C2, C3, D4, E
 39-30-S _____ Statewide
 SD 252 F _____ Statewide

Several commercial hybrid sorghum varieties are available and can be grown satisfactorily. Early to medium early varieties usually are superior to late varieties.

Corn (Hybrid)

SD 210 _____ A, B1, B2, B3, D2
 SD 220 _____ 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 400 _____
 A, B2*, B4, C1*, C2, C3, D4, E
 SD 420 _____ A, B4, C1*, C2, C3, D4, E
 SD 604 _____ A, B4, C3, D4, E
 SD 622 _____ 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 annual corn performance report.

Open Pollinated Corn

Open-pollinated corn varieties are still being grown in central and western areas. They fulfill special needs and have given satisfactory yields.

PASTURE AND FORAGE CROPS

variety _____ area of best adaptation _____

Sudangrass

Piper _____ Statewide

Legumes

Alfalfa (hay type)

Ladak _____ A, B1, B2, B3, C1, D2
 Ranger _____ Statewide
 Vernal _____ Statewide

Alfalfa (pasture type)

Rambler _____ Statewide
 Teton _____ Statewide
 Travois _____ B1, B2, B3, C2, C3

Sweetclover

Denta _____ Statewide
 Goldtop _____ Statewide
 Hubam _____ D1, D2, D3, D4, E
 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

Grasses (Cool Season)

Crested wheatgrass

Fairway _____ Statewide
 Nordan _____ Statewide

Green needlegrass

Green Stipa _____ B1, B2, B3, B4, C2, C3
 Mandan 2611 _____
 B1, B2, B3, B4, C2, C3

Intermediate wheatgrass

Amur _____ Statewide
 Greenar _____ Statewide
 Oahe _____ Statewide
 Other approved certified varieties.

Meadow foxtail

Garrison (creeping) _____
 Low, wet areas statewide

Pubescent wheatgrass

Mandan 759 _____ Statewide

Reed canarygrass

Low, wet areas statewide
 Any acceptable varieties.

Russian wildrye

Vinall _____ B1, B2, B3, B4, C2, C3

Smooth brome

Homesteader _____ Statewide
 Lincoln _____ A, D4, E
 Lancaster _____ A, D4, E

Tall wheatgrass

PI 98526 _____
 Low, wet alkaline areas statewide

Grasses (Warm Season)

Side-oats grama

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

Switchgrass

Nebraska 28 _____ B3, B4, C2, C3, D4, E
 Summer _____ B3, B4, C2, C3, D4, E

Millet

Foxtail

German _____ Statewide
 Hungarian _____ Statewide
 Manta _____ Statewide
 Siberian _____ Statewide

Proso

Black Voronezh (medium early) _____
 Statewide
 Crown (medium) _____ Statewide
 Early Fortune (early) _____ Statewide
 Red Thurghai (medium early) _____
 Statewide

*Southern counties of this area.

†Northern counties of this area.

‡For both irrigation and dryland.