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## Field Crop Varieties in South Dakota, 1963

Ralph A. Cline

Elmer E. Sanderson

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# Field Crop Varieties in South Dakota

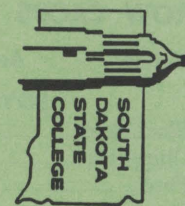
By Ralph A. Cline and Elmer E. Sanderson  
Associate Extension Agronomists

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.

# Field Crop Varieties, 1963

Cooperative Extension Service



## SMALL GRAIN

Variety Area of Best Adaptation

### WINTER WHEAT

Cheyenne	B3,* B4, C2, C3
Minter	D4, E
Nebred	B3, B4, C2, C3
Omaha	B4, C2, C3, D4, E
Warrior	B3,* B4, C2, C3

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

### SPRING WHEAT

Canthatch	B1
Justin	B1, B2,† C1,† D1, D2, D3
Lee†	A, B1, B2, B3, B4, C2, D4, E
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
Langdon	B1, B2, C1, C2, D1, D2, D3
Ramsey	B1, B2, C1, C2, D1, D2, D3
Wells	B1, B2, C1, C2, D1, D2, D3

### OATS

Andrew†	Statewide
Bonkee	D4, E
Burnett†	C1, C2, D1, D2, D3, D4, E
Clintland 60	D3, D4, E
CI 7440§	B2,* B3,* B4, C2, C3
Dodge	C1,† D1, D2, D3
Dupree†	B1, B2, B3, B4, C2
Garland	C1, D1, D2, D3
Garry	C1, D1, D2, D3
Marion	C1, D2, D3, D4, E

Minhafer	Statewide
Mo-0-205†	Statewide, except B1
Nehawka	B3, B4, C2, C3
Ortley	C1,† D1, D2, D3
Portage	C1,† D1, D2, D3
Ransom	Statewide
Rodney	D1, D2, D3

### FEED BARLEY

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

### MALTING BARLEY

Kindred	B2,† C1, D1, D2, D3
Larker	A, B2, C1, D2, D3
Traill†	A, B2,† C1, D1, D2, D3
Trophy	A, B2,† C1,† D1, D2, D3

## FLAX

Army	C1, D1, D2, D3
B-5128	C1, D1, D2, D3
B-5128(SS)	C1, D1, D2, D3
Bolley	B1, B2, C1, D1, D2, D3, D4, E
Marine	B1, B2, C1, D1, D2, D3, D4, E
Marine 62	B1, B2, C1, D1, D2, D3, D4, E
Redwood	C1, D1, D2, D3
Windom	C1, D1, D2, D3

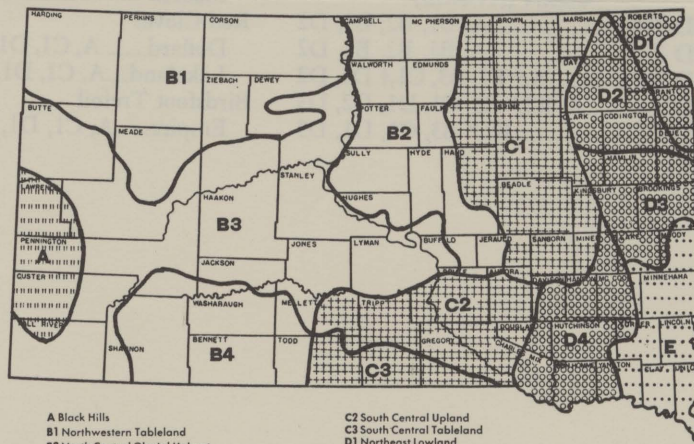
## RYE

Antelope	Statewide
Caribou	Statewide

\*Southern counties of this area.  
†Northern counties of this area.  
‡For both irrigation and dryland.  
§Will be given variety name later.

## CROP ADAPTATION AREAS OF SOUTH DAKOTA

South Dakota State College



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

Pierre ..... Statewide

### ROW CROPS

Variety ..... Area of Best Adaptation

#### SOYBEANS

Blackhawk..... D1, D3, D4, E  
 Chippewa..... D1, D2, D3  
 Ford..... D4, E  
 Grant..... D1, D2, D3  
 Harosoy..... D3,\* D4, E  
 Hawkeye..... D4, E  
 Lindarin..... D3,\* D4, E  
 L59g1R§..... D3,\* D4, E  
 L59g2R§..... D4, E

#### SORGHUM (GRAIN)

Norghum|| ..... Statewide  
 Reliance|| ..... Statewide  
 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

#### SORGHUM (FORAGE)

Dual ..... Statewide  
 Leoti Red..... B2,\* B3,\* B4, C1,\*  
 C2, C3, D4, E  
 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.*

#### SUDAN GRASS

Piper ..... Statewide

#### 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 250..... A, B2,\* B3, C1, D1, D2, D3  
 SD 262..... B2,\* B3, C1, D1, 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 620..... 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 College 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

#### LEGUMES

Alfalfa  
 Cossack\*\* ..... Statewide  
 Grimm\*\* ..... Statewide  
 Ladak..... A, B1, B2, B3, C1, D2  
 Rambler ..... Statewide  
 Ranger ..... Statewide  
 Teton ..... Statewide  
 (seed and pasturage)  
 Travois..... B1, B2, B3, B4, C2, C3  
 Vernal ..... Statewide  
 Narragansett\*\*..... A, B1, B2, B3, B4,  
 C1, C2, C3  
 Rhizoma\*\*..... A, B1, B2, B3, B4,  
 C1, C2, C3  
 Sweet Clover  
 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

Crested Wheatgrass  
 Fairway ..... Statewide  
 Nordan ..... Statewide  
 Green Needlegrass  
 Green Stipa..... B3, B4, C2, C3  
 Pubescent Wheatgrass  
 Mandan 759..... Statewide  
 Russian Wild Rye  
 Vinall..... B1, B2, B3, B4, C2, C3  
 Side-oats Grama  
 Butte..... B3, B4, C2, C3  
 Smooth Brome  
 Homesteader ..... Statewide  
 Lincoln..... A, D4, E  
 Lancaster..... A, D4, E  
 Switch Grass  
 Nebraska 28..... B3, B4, C3, D4, E  
 Tall Wheatgrass  
 PI 98526..... Low, wet alkaline areas  
 (Statewide)  
 Needle Ricegrass  
 Mandan Ricegrass B1, B2, B3, B4, C3  
 Intermediate Wheatgrass  
 Amur ..... Statewide  
 Greenar ..... Statewide  
 Oahe ..... Statewide  
 Other approved certified varieties  
 MILLET  
 Foxtail  
 German ..... Statewide  
 Hungarian ..... Statewide  
 Kursk ..... 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.

§Will be given variety name later.

||Recommended only for late planting in areas

D4 and E.

\*\*Recommended for seed production only.