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### **Field Crop Varieties in South Dakota**

Cooperative Extension, South Dakota State University

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# Field Crop Varieties in South Dakota

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The crop Adaptation Areas of the state, illustrated below, 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 for these areas 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.

(Varieties are listed alphabetically.)

## Small Grain

Variety	Area of Best Adaptation
	<b>Winter Wheat</b>
Cheyenne	B3,* B4, C2, C3
Minter	D4, E
Nebred	B3, B4, C2, C3
Omaha	B4, C2, C3, D4, E
Warrior	B3,* B4, C2, C3
	<b>Spring Wheat</b>
Canthatch	B1
Lee†	A, B1, B2, B3, B4, C2, D4, E
Rushmore	A, B1, B2, B3, B4, C2
Selkirk‡	B1, B2, C1, D1, D2, D3
Pembina	B1, B2, C1, D1, D2, D3

*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 having a favorable climate and using the best cultural practices.*

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†	State Wide
Burnett‡	C1, C2, D1, D2, D3, D4, E
Clintland 60	D3, D4, E
Dodge	D1, D2, D3, C1†

Dupree‡	B1, B2, B3, B4, C2
Garry	C1, D1, D2, D3
Marion	C1, D2, D3, D4, E
Minhafer	State Wide
Mo-O-205‡	State Wide, except B1
Nehawka	B3, B4, C2, C3
Ransom	State Wide
Rodney	D1, D2, D3
	<b>Barley</b>
Feebar	B2,† C1,† D1, D2, D3†
Kindred	B2,† C1, D1, D2, D3
Larker	A, B2, C1, D2, D3
Liberty‡	State Wide
Plains	State Wide
Trail†	A, B2,† C1, D1, D2, D3
Trophy	A, B2,† C1,† D1, D2, D3

Spartan	A, B1, B2,* B3, B4, C2, C3
	<b>Flax</b>
Arny	C1, D1, D2, D3
B-5128	C1, D1, D2, D3
Bolley	B1, B2, C1, D1, D2, D3, D4, E
Marine	B1, B2, C1, D1, D2, D3, D4, E
Redwood	C1, D1, D2, D3
	<b>Rye</b>
Antelope	State Wide
Caribou	State Wide
Pierre	State Wide

\*Southern counties of this area.

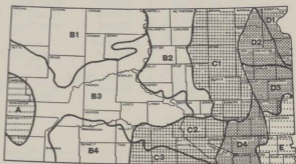
†Northern counties of this area.

‡For both irrigation and dryland.

§Recommended for seed production only.

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

## CROP ADAPTATION AREAS OF SOUTH DAKOTA



A Black Hills  
B1 Northwestern Tableland  
B2 North Central Blackland  
B3 Plains Plain  
B4 Southwestern Tableland  
C1 Northeast James Valley  
C2 South Central Upland  
C3 South Central Upland  
D1 Northeast Upland  
D2 Northeast Prairie Plateau  
D3 Central Prairie Plateau  
D4 Southeast James Plateau  
E Southeast Prairie Upland

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## 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 D3,\* D4, E  
 Lindarin D4, E

### Sorghum (Grain)

Norghum| State Wide  
 Reliance| State Wide  
 RS 501 State Wide  
 RS 608 B4, C2,\* C3, D4,\* E\*  
 RS 610 B4, C2,\* C3, D4,\* E\*  
 SD 102| State Wide  
 SD 441| State Wide  
 SD 451 State Wide

### Sorghum (Forage)

Dual State Wide  
 Leoti Red B2,\* B3,\* B4, C1,\*  
 C2, C3, D4, E  
 Norkan B2,\* B3,\* B4, C1,\*  
 C2, C3, D4, E  
 Rancher State Wide  
 Rox Orange B2,\* B3,\* B4, C1,\*  
 C2, C3, D4, E  
 39-30-S State Wide  
 SD 252 F State Wide

*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 State Wide

### 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 State Wide  
 Cossack‡ State Wide  
 Grimm‡ State Wide  
 Ladak A, B1, B2, B3, C1, D2  
 Rambler State Wide  
 Ranger State Wide  
 Teton State Wide (Seed and  
 pasturage)  
 Vernal State Wide  
 Narragansett‡ A, B1, B2, B3, B4, C1,  
 C2, C3  
 Rhizoma‡ A, B1, B2, B3, B4, C1,  
 C2, C3  
 Sweet Clover State Wide  
 Goldtop D1, D2, D3, D4, E  
 Hubam State Wide  
 Madrid State Wide  
 Red Clover A, C1, D1, D2, D3,  
 D4, E  
 Birdsfoot Trefoil A, C1, D1, D2, D3,  
 D4, E  
 Empire A, C1, D1, D2, D3,  
 D4, E

### Grasses

Crested Wheatgrass  
 Fairway State Wide  
 Nordan State Wide  
 Green Needlegrass  
 Green Stipa B3, B4, C2, C3  
 Pubescent Wheatgrass  
 Mandan 759 State Wide  
 Russian Wild Rye  
 Vinall B1, B2, B3, B4, C2,  
 C3  
 Side-oats Grama  
 Butte B3, B4, C2, C3  
 Smooth Brome  
 Homesteader State Wide  
 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 (State Wide)  
 Needle Ricegrass  
 Mandan Rice-  
 grass B1, B2, B3, B4, C3  
 Intermediate Wheatgrass  
 Amur State Wide  
 Greinar State Wide  
 Oahe State Wide  
 Other approved certified varieties

### Millet

Foxtail  
 German State Wide  
 Hungarian State Wide  
 Kursk State Wide  
 Manta State Wide  
 Siberian State Wide  
 Proso  
 Black Voronezh  
 (medium early) State Wide  
 Crown  
 (medium) State Wide  
 Early Fortune  
 (early) State Wide  
 Red Thurgai  
 (medium early) State Wide

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