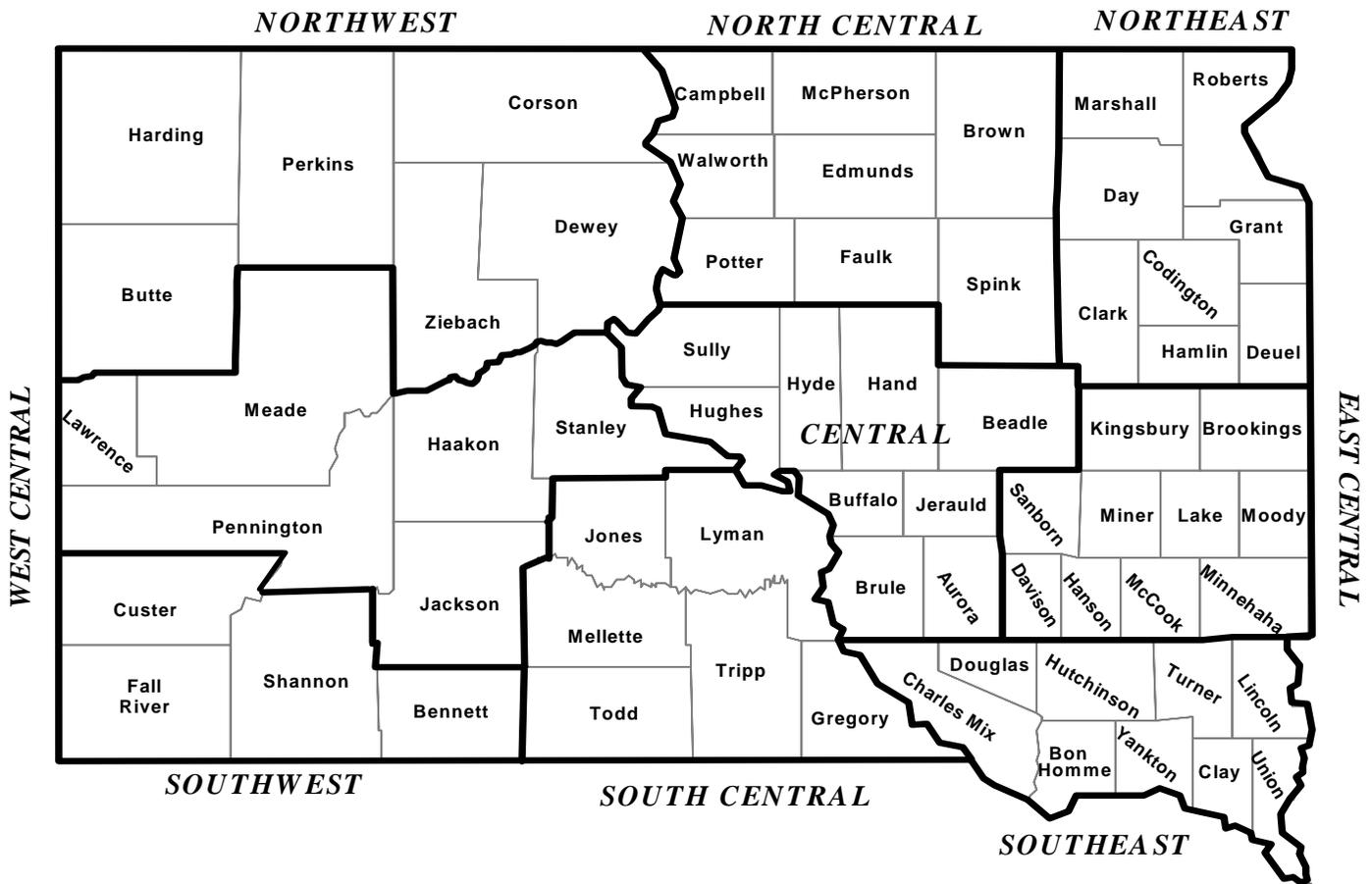


SOUTH DAKOTA AGRICULTURAL STATISTICS DISTRICTS



PREFACE

Supporting funds for this publication were provided by the South Dakota Department of Agriculture.

County crop data for 2003-2004 are contained in this bulletin. State crop, livestock, price, and income data are also included.

For county crop data prior to 2003 and other historic data before 2000 please go to our online data base at www.nass.usda.gov/sd/ and select "Historic Data".

All current data in this bulletin are preliminary and subject to revision the following year and after review of the United States Census of Agriculture data, every five years.

Acknowledgment is given to the many South Dakota farmers, ranchers, and merchants as well as numerous commercial, educational, and government agencies who have voluntarily contributed basic information used in compilation of these data.

This publication was prepared by the staff of the South Dakota Agricultural Statistics Service -- a field office of the National Agricultural Statistics Service, United States Department of Agriculture.

PHOTOGRAPHS by South Dakota Tourism

SOUTH DAKOTA AGRICULTURE

2006

presented by

UNITED STATES DEPARTMENT OF AGRICULTURE'S NATIONAL AGRICULTURAL STATISTICS SERVICE SOUTH DAKOTA FIELD OFFICE

Carter Anderson, State Director
Steve Noyes, Deputy Director

PO Box 5068
Sioux Falls, SD 57117-5068

Phone (605) 323-6500
Fax (605) 323-6521

Internet Reports
South Dakota: www.nass.usda.gov/sd
National: www.nass.usda.gov
E-Mail: nass-sd@nass.usda.gov

STAFF

ADMINISTRATIVE UNIT

Sandra Hoff
Jayne Ott

SURVEY SECTION

Travis Smith, Leader
Karla Koudelka
Sandy Heither
Victoria Jorgenson
Enumerator Staff

ESTIMATES SECTION

Randy Ingerson, Leader
Gary Krull
Steve Susemihl
Diane Greene
Barbara Johnson

ADP & PRINT/MAIL SECTION

Rhonda Dinan, Leader
Nancy Weber
Judy Gohl
Vickie Lowry

cooperating with

S.D. DEPARTMENT OF AGRICULTURE

Larry Gabriel, Secretary
523 E. Capitol
Pierre, SD 57501
(605) 773-3375

U.S. DEPARTMENT OF AGRICULTURE

National Agricultural Statistics Service
Ron Bosecker, Administrator
Washington, DC 20250
(202) 720-2707



STATE OF SOUTH DAKOTA
M. MICHAEL ROUNDS, GOVERNOR

My Fellow South Dakotans:

It is my pleasure to welcome you to this statistical report of agricultural progress in South Dakota. This publication exemplifies the spirit of cooperation that enables our agricultural industry to compete in world markets while continuing to feed our nation and adapt to changing consumer demand.



The state of South Dakota works closely with the United States Department of Agriculture's National Agricultural Statistics Service to bring this information to you. However, these government agencies depend upon cooperation from thousands of farmers, ranchers, businessmen and other organizations to assist in gathering the statistics.

South Dakota ranks near the top among the states in the production of several products, but in my view, we rank *first* in the spirit of cooperation. That spirit has been a hallmark of our state since the days of early settlement and just may be one of the most valuable "products" grown in our rural communities.

I congratulate all the hard-working men and women in South Dakota agriculture at every level for a job well done. We are progressing and we are doing it together in some difficult times.

We are all grateful for the many and bountiful contributions of agriculture. When agriculture does well, South Dakota does well. I look forward to working with my many friends in agriculture as we make this great state even better for all who live here.

Sincerely,

M. Michael Rounds



South Dakota Department of Agriculture

523 East Capitol Avenue, Pierre, SD 57501-3182
(605) 773-3375 (605) 773-5926 FAX

OFFICE OF THE SECRETARY

My Fellow South Dakotans:

The statistics in this publication are valuable. They are a measure of our accomplishments and a map to our future.

Every good plan for the future requires knowing where we have been and where we are currently. Every good idea for a new product is based on knowledge of the resources we have at hand. This report provides that key information.

A ready, reliable and abundant supply of raw material is critical to most processing or manufacturing enterprises. Developers of new projects need these statistics.



The bulk commodities produced by the hard work of our farmers and ranchers contribute about \$6 billion to our economy each year, but that is only a small portion of their potential economic impact. Transforming commodities into products (such as ethanol) adds to their economic impact on our state.

South Dakota often ranks number two nationally in honey production. Much of our high quality honey is sold in bulk to people outside South Dakota and blended with lower quality honey. That is an opportunity.

We produce an abundance of beef, but much of it is finished and processed outside of our state. That is an opportunity.

We produce an abundance of corn, and although we process much of it into ethanol, the distillers grain (a valuable livestock feed) is mostly shipped out of state. That is an opportunity.

In many areas we can expand our processing and product development to capture a greater share of the end value of our resources. This report is a guide to seeking an opportunity to do that.

We greatly appreciate the cooperation of everyone who provides these statistics and congratulate the South Dakota Agricultural Statistics office on a job well done.

Sincerely,

Larry E. Gabriel
SD Secretary of Agriculture



United States
Department of
Agriculture

National
Agricultural
Statistics Service

South Dakota
Field Office

PO Box 5068
Sioux Falls SD
57117-5068

Phone:
605-323-6500

Fax:
605-323-6521

E-mail:
nass-sd@nass
.usda.gov

Web site:
<http://www.nass.usda.gov/sd/>

Dear Data User:

We are proud to present you with the 65th edition of “**South Dakota Agriculture**”. This annual bulletin shows current and recent history of national, state and county agriculture statistics for South Dakota’s number one industry. It is published cooperatively with funds provided by the South Dakota Department of Agriculture.

We greatly appreciate the cooperation of producers, agribusinesses, county extension educators, and county FSA directors who respond to our surveys. A special thanks goes to our farmers and ranchers for taking the time from their busy schedules to complete our surveys. Most understand the importance of current agriculture information and recognize that they are the best source for this information.



Carter Anderson, Director



Steve Noyes, Deputy Director

This publication continues to be the primary reference tool for people involved in South Dakota Agriculture. Current year statistics are available on our web page, which is identified on the first page of this publication. The information we provide is used by producers and others in the industry to make informed business decisions based on facts. The agricultural statistics in this publication are used to administer many of the USDA farm programs such as crop insurance. Ag statistics are also utilized to determine location and feasibility of many of the new value-added ventures in the state.

Thanks to our office staff and enumerators for their dedication in providing South Dakota with high quality agriculture statistics. Our staff is dedicated to serving agriculture data needs of all users. Please contact us anytime with your questions, comments and requests for information.

Sincerely,
Carter Anderson

Carter Anderson
Director

Sincerely,
Steve Noyes

Steve Noyes
Deputy Director



National Agricultural Statistics Service
Fact Finders for Agriculture

NASS

An Equal Opportunity Provider and Employer

GENERAL INFORMATION

	PAGE		PAGE
Message from South Dakota Governor.....	2	Number of Livestock Farms, U.S., 2001-2005.....	7
Message from South Dakota Secretary of Agriculture.....	3	Cattle and Beef Cow Operations, S.D., 2001-2005.....	8
Number, Average Size, and Land in Farms, S.D., 1976-2005.....	6	Hog Operations, S.D., 2001-2005.....	9
Number and Average Size of Farms, by Sales Class, S.D., 2001-2005.....	6	Milk Cow Operations, S.D., 2001-2005.....	10
Number of Livestock Farms, S.D., 2001-2005.....	6	Crop Weather Summary, 2005.....	11
Number, Average Size, and Land in Farms, U.S., 1976-2005.....	7	Precipitation, 2004-2005.....	12
Number and Average Size of Farms, by Sales Class, U.S., 2001-2005.....	7	2005 and 30-year Average Precipitation Maps.....	13

CROPS

Crop Production Summary and Charts, 2005.....	14	Crop Production, U.S. and Selected Foreign Countries, 2004-2005.....	23
Planting and Harvesting Progress Charts, 2003, 2004, 2005 and Average.....	15	Grain and Hay Stocks, 2002-2006.....	24
Acres Planted and Harvested, S.D., 2001-2005.....	16	Grain Storage Facilities, 1991-2005.....	25
Yield and Production, S.D., 2001-2005.....	17	Crop Marketing, Monthly Percents, 2003-2005.....	25
Acres Planted and Harvested, U.S., 2001-2005.....	18	Exports and Imports, S.D. and U.S., Selected Years.....	26
Yield and Production, U.S., 2001-2005.....	19	Commercial Fertilizer.....	27
Crop Record Highs and Lows.....	20	Agricultural Chemical Usage, Selected Years.....	28
Crop Acres Planted and Yield, S.D., 1981-2005.....	21	Barley Varieties, 2001-2005.....	30
Crop Production: Corn, Soybeans, and All Wheat, 1905-2005.....	22	Winter Wheat Varieties, 1996, 1999, 2002 and 2005.....	31
Crop Production, State Ranking.....	23	Spring Wheat Varieties, 1996, 1999, 2002 and 2005.....	32

LIVESTOCK AND POULTRY

Livestock and Poultry Summary and Charts, 2005.....	33	Sheep Inventory, U.S., 2001-2006.....	41
Livestock State Ranking and Record Highs and Lows.....	34	Sheep Production, Disposition and Income, U.S., 2001-2005.....	41
Cattle Inventory, U.S., 2001-2006.....	35	Sheep Inventory, S.D., 2001-2006.....	42
Cattle Production, Disposition and Income, U.S., 2001-2005.....	35	Sheep Production, Disposition and Income, S.D., 2001-2005.....	42
Cattle Inventory, S.D., 2001-2006.....	36	Sheep Shorn, Wool Production and Value, 2001-2005.....	43
Cattle Production, Disposition and Income, S.D., 2001-2005.....	36	Sheep and Lamb Slaughter, 2001-2005.....	43
Cattle on Feed, 2004-2005.....	37	Goat Inventory.....	43
Cattle Slaughter, 2001-2005.....	37	Milk Production and Utilization, 2001-2005.....	44
Number of Feedlots and Fed Cattle Marketed, 2001-2005.....	37	Manufactured Cheese Production, 2001-2005.....	44
Hog Inventory, U.S., 2001-2006.....	38	Bee and Honey Production, 2001-2005.....	44
Hog Production, Disposition and Income, U.S., 2001-2005.....	38	Chicken Inventory, 2001-2005.....	45
Hog Inventory, S.D., 2001-2006.....	39	Egg Production and Value, 2001-2005.....	45
Hog Production, Disposition and Income, S.D., 2001-2005.....	39	Turkey Production and Value, 2001-2005.....	45
Sows Farrowed, Pigs Per Litter, and Pig Crop, 2003-2005.....	40	Mink, 2001-2005.....	45
Hog Slaughter, 2001-2005.....	40	Livestock Imports and Exports, U.S., 1996-2005.....	46

INCOME AND PRICES

Income and Prices Summary and Chart, 1950-2004.....	47	Crop Prices Received, Monthly Average, 2004-2005.....	53
Cash Receipts and Government Payments, 2002-2004.....	48	Crop Prices Received Charts, 2000-2004 Average and 2005.....	54
State Ranking, 2004.....	48	Value of Production per Harvested Acre, 1996-2005.....	55
Charts, 1999-2003 Average and 2004.....	49	Livestock Prices Received, Monthly and Annual Average, 2004-2005.....	55
Monthly and Percent Distribution, 2005.....	50	Livestock Prices Received Charts, 2000-2004 Average and 2005.....	57
Farm Production Expenses, 2002-2004.....	50	Grazing Fees, 1990-2005.....	57
Net Farm Income, 2000-2004.....	51	Prices Paid, Production Commodities, Northern Plains, 2004-2006.....	58
Income Chart, 1990-2004 and Expense Chart, 1999-2003 Average and 2004.....	52	Prices Paid, Production Commodities, U.S., 2004-2006.....	59
Crop Prices Received.....		Farm Real Estate Values, 1996-2005 and Cash Rents, 2001-2005.....	60
Marketing Year Average Price, S.D. and U.S., 2001-2005.....	53	Farm Labor and Wage Rates, Regional and U.S., 2001-2006.....	61
Crop Prices Received, Monthly Average, 2004-2005.....	53		

COUNTY DATA AND MISCELLANEOUS

Crop County Estimates, 2004-2005.....		Crop Production, County Ranking, 2005.....	98
Soybeans.....	62	Cattle, County Ranking, 2006.....	99
Corn.....	64	Cattle County Estimates, January 1, 2005-2006.....	100
All Wheat.....	72	Cash Receipts, S.D., 2003-2004.....	102
Winter Wheat.....	74	Cropland Cash Rent and Value, S.D., 2006.....	103
Other Spring Wheat.....	76	Pastureland Cash Rent and Value, S.D., 2006.....	104
Durum Wheat.....	78	U.S. Census of Agriculture, 2002.....	
Flax.....	79	Farm Numbers, Land, Land Value, Irrigation, Value of Products Sold.....	105
Rye.....	79	Hogs and Pigs.....	106
Oats.....	80	Cattle and Calves.....	107
Barley.....	82	Sheep and Lambs.....	109
Sorghum.....	84	Bison.....	110
All Sunflower.....	86	Horses and Ponies.....	111
Oil Sunflower.....	88	Farms Harvesting Crops.....	112
Non-Oil Sunflower.....	90	County Profiles.....	113
All Hay.....	92	Data Products and Services.....	137
Alfalfa Hay.....	94	State Offices.....	138
Other Hay.....	96	Index.....	139

**NUMBER OF FARMS, AVERAGE SIZE OF FARM, AND LAND IN FARMS,
SOUTH DAKOTA, 1976-2005**

YEAR	NUMBER OF FARMS (1,000)	AVERAGE SIZE FARM ACRES	LAND IN FARMS 1,000 ACRES	YEAR	NUMBER OF FARMS (1,000)	AVERAGE SIZE FARM ACRES	LAND IN FARMS 1,000 ACRES
1976	42.0	1,076	45,200	1991	35.0	1,263	44,200
1977	41.0	1,100	45,100	1992	35.0	1,263	44,200
1978	40.0	1,125	45,000	1993	34.5	1,281	44,200
1979	39.0	1,154	45,000	1994	34.0	1,300	44,200
1980	38.5	1,169	45,000	1995	33.0	1,333	44,000
1981	38.0	1,176	44,700	1996	32.5	1,354	44,000
1982	37.5	1,187	44,500	1997	32.5	1,354	44,000
1983	37.0	1,203	44,500	1998	32.5	1,354	44,000
1984	37.0	1,203	44,500	1999	32.5	1,354	44,000
1985	36.5	1,219	44,500	2000	32.4	1,358	44,000
1986	36.0	1,236	44,500	2001	32.0	1,372	43,900
1987	35.5	1,248	44,500	2002	31.8	1,377	43,800
1988	35.0	1,266	44,300	2003	31.6	1,386	43,800
1989	35.0	1,266	44,300	2004	31.6	1,386	43,800
1990	35.0	1,266	44,300	2005	31.4	1,392	43,700

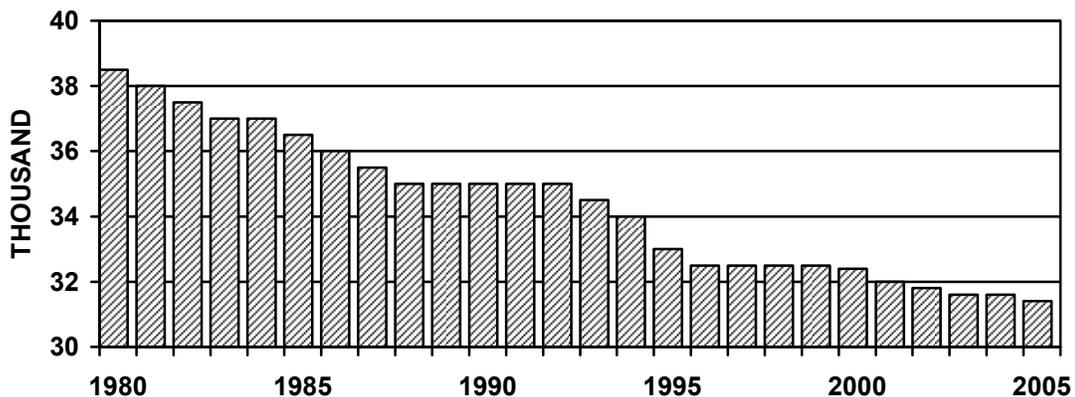
**NUMBER AND AVERAGE SIZE OF FARMS, BY SALES CLASS,
SOUTH DAKOTA, 2001-2005**

YEAR	\$1,000-9,999		\$10,000-99,999		\$100,000-249,999		\$250,000-499,999		\$500,000+	
	NUMBER	AVG. SIZE (ACRES)	NUMBER	AVG. SIZE (ACRES)	NUMBER	AVG. SIZE (ACRES)	NUMBER	AVG. SIZE (ACRES)	NUMBER	AVG. SIZE (ACRES)
2001	8,200	390	13,600	882	6,500	2,108	2,500	3,360	1,200	5,500
2002	8,800	386	12,800	898	6,300	2,159	2,600	3,308	1,300	5,154
2003	8,800	398	12,700	898	6,200	2,194	2,600	3,308	1,300	5,154
2004	8,600	384	12,600	873	6,200	2,194	2,700	3,185	1,500	4,867
2005	8,300	386	12,500	856	6,200	2,194	2,800	3,143	1,600	4,625

**NUMBER OF LIVESTOCK FARMS,
SOUTH DAKOTA, 2001-2005**

ITEM	2001	2002	2003	2004	2005
	(1,000)				
ALL CATTLE	19.5	19.0	18.0	17.5	17.0
BEEF COWS	17.0	16.5	15.5	15.5	15.0
MILK COWS	1.4	1.2	1.1	1.0	0.8
HOGS	1.6	1.5	1.5	1.4	1.2
ALL SHEEP	2.3	2.3	2.1	2.1	2.1

NUMBER OF FARMS, SOUTH DAKOTA, 1980-2005



**NUMBER OF FARMS, AVERAGE SIZE OF FARM, AND LAND IN FARMS,
UNITED STATES, 1976-2005**

YEAR	NUMBER OF FARMS	AVERAGE SIZE FARM	LAND IN FARMS	YEAR	NUMBER OF FARMS	AVERAGE SIZE FARM	LAND IN FARMS
	(1,000)	ACRES	1,000 ACRES		(1,000)	ACRES	1,000 ACRES
1976	2,497	422	1,054,075	1991	2,117	464	981,736
1977	2,456	427	1,047,785	1992	2,108	464	978,503
1978	2,436	429	1,044,790	1993	2,202	440	968,845
1979	2,437	428	1,042,015	1994	2,198	440	965,935
1980	2,440	426	1,038,885	1995	2,196	438	962,515
1981	2,440	424	1,034,190	1996	2,191	438	958,675
1982	2,407	427	1,027,795	1997	2,191	436	956,010
1983	2,379	430	1,023,425	1998	2,192	434	952,080
1984	2,334	436	1,017,803	1999	2,187	434	948,460
1985	2,293	441	1,012,073	2000	2,167	436	945,080
1986	2,250	447	1,005,333	2001	2,149	438	942,070
1987	2,213	451	998,923	2002	2,135	440	940,300
1988	2,201	452	994,423	2003	2,127	441	938,650
1989	2,175	456	990,723	2004	2,113	443	936,295
1990	2,146	460	986,850	2005	2,101	444	933,400

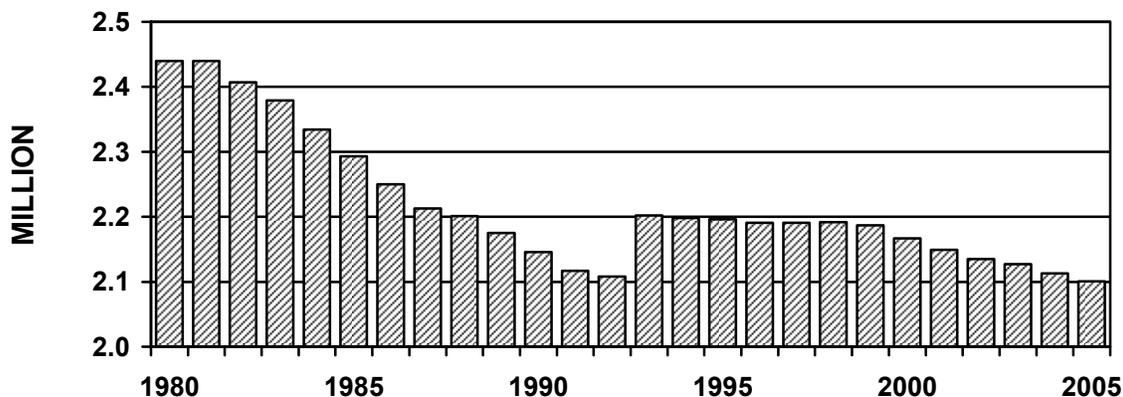
**NUMBER AND AVERAGE SIZE OF FARMS, BY SALES CLASS,
UNITED STATES, 2001-2005**

YEAR	\$1,000-9,999		\$10,000-99,999		\$100,000-249,999		\$250,000-499,999		\$500,000+	
	NUMBER	AVG. SIZE (ACRES)	NUMBER	AVG. SIZE (ACRES)	NUMBER	AVG. SIZE (ACRES)	NUMBER	AVG. SIZE (ACRES)	NUMBER	AVG. SIZE (ACRES)
2001	1,189,920	107	621,490	442	176,290	1,118	87,400	1,700	73,530	2,644
2002	1,201,840	105	604,570	449	168,820	1,163	86,550	1,724	73,580	2,678
2003	1,199,270	104	600,540	450	167,220	1,172	86,550	1,735	73,280	2,697
2004	1,181,190	102	599,280	445	167,030	1,159	88,980	1,701	76,490	2,664
2005	1,168,220	101	596,440	437	166,880	1,152	90,040	1,691	79,410	2,643

**NUMBER OF LIVESTOCK FARMS,
UNITED STATES, 2001-2005**

ITEM	2001	2002	2003	2004	2005
	----- (1,000) -----				
ALL CATTLE	1,049.2	1,036.4	1,013.6	989.5	982.5
BEEF COWS	814.5	808.1	792.1	774.9	770.2
MILK COWS	97.5	91.2	86.4	81.5	78.3
HOGS	81.2	76.3	73.7	69.5	67.3
ALL SHEEP	68.6	68.2	67.7	67.6	68.3

NUMBER OF FARMS, UNITED STATES, 1980-2005



NOTE: A CHANGE IN FARM DEFINITION, APPLIED FROM 1993 ON, NOW INCLUDES OPERATIONS HAVING MAPLE SYRUP, SHORT ROTATION WOODY CROPS, OR FIVE OR MORE HORSES OR PONIES WITH NO OTHER AGRICULTURE.

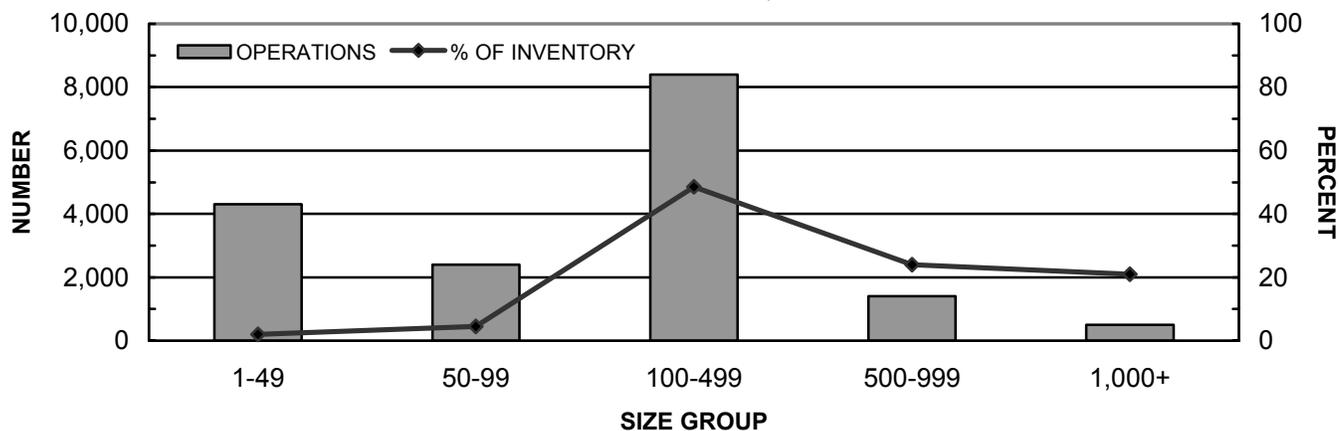
**CATTLE AND BEEF COW OPERATIONS,
SOUTH DAKOTA, 2001-2005**

YEAR	CATTLE AND CALVES						BEEF COWS				
	1-49 HEAD	50-99 HEAD	100-499 HEAD	500-999 HEAD	1,000+ HEAD	TOTAL	1-49 HEAD	50-99 HEAD	100-499 HEAD	500+ HEAD	TOTAL
	-----NUMBER-----						-----NUMBER-----				
2001	5,000	3,400	9,200	1,350	550	19,500	7,000	3,690	5,900	410	17,000
2002	4,600	3,400	9,200	1,300	500	19,000	6,700	3,570	5,800	430	16,500
2003	4,400	3,000	9,000	1,150	450	18,000	6,300	3,490	5,300	410	15,500
2004	4,700	2,600	8,500	1,200	500	17,500	6,000	3,560	5,500	440	15,500
2005	4,300	2,400	8,400	1,400	500	17,000	5,700	3,350	5,500	450	15,000

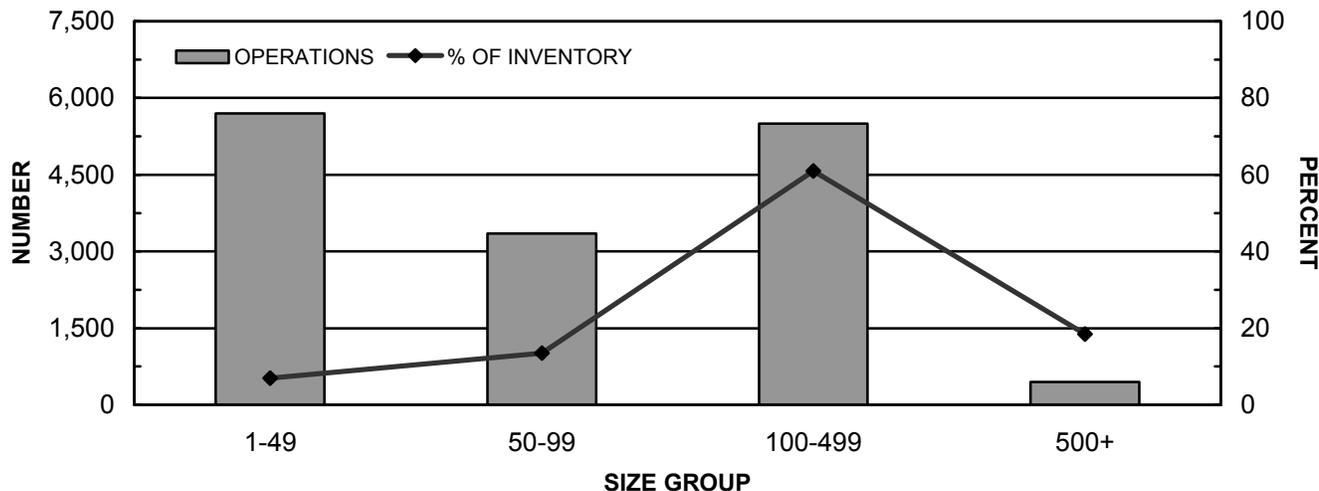
**CATTLE AND BEEF COWS, PERCENT OF INVENTORY,
SOUTH DAKOTA, 2001-2005**

YEAR	CATTLE AND CALVES						BEEF COWS				
	1-49 HEAD	50-99 HEAD	100-499 HEAD	500-999 HEAD	1,000+ HEAD	TOTAL	1-49 HEAD	50-99 HEAD	100-499 HEAD	500+ HEAD	TOTAL
	-----PERCENT-----						-----PERCENT-----				
2001	2.7	5.8	50.0	21.0	20.5	100.0	9.0	14.0	61.0	16.0	100.0
2002	2.5	6.0	50.0	21.5	20.0	100.0	9.0	13.0	61.0	17.0	100.0
2003	2.7	5.8	51.0	20.5	20.0	100.0	8.5	14.0	60.0	17.5	100.0
2004	2.5	5.0	51.0	21.5	20.0	100.0	8.0	14.0	60.0	18.0	100.0
2005	2.0	4.5	48.5	24.0	21.0	100.0	7.0	13.5	61.0	18.5	100.0

**CATTLE OPERATIONS AND PERCENT OF INVENTORY,
SOUTH DAKOTA, 2005**



**BEEF COW OPERATIONS AND PERCENT OF INVENTORY,
SOUTH DAKOTA, 2005**



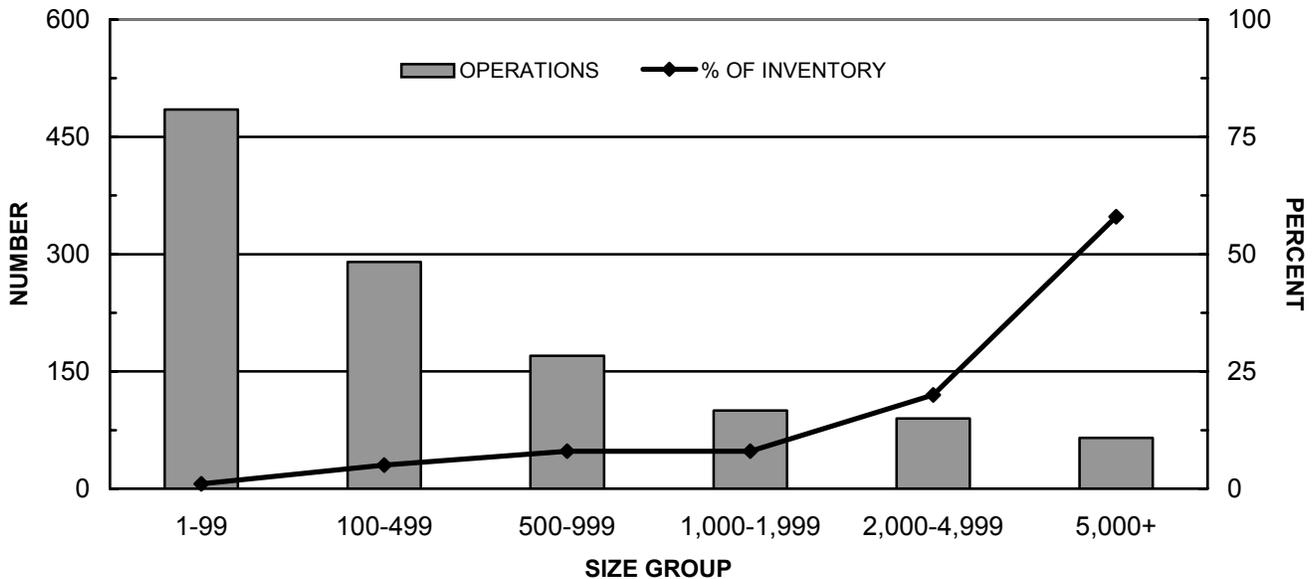
HOG OPERATIONS, SOUTH DAKOTA, 2001-2005

YEAR	HOGS AND PIGS						TOTAL
	1-99 HEAD	100-499 HEAD	500-999 HEAD	1,000-1,999 HEAD	2,000-4,999 HEAD	5,000+ HEAD	
	----- NUMBER -----						
2001	600	500	220	130	90	60	1,600
2002	550	450	220	125	90	65	1,500
2003	550	450	220	125	90	65	1,500
2004	550	410	170	115	90	65	1,400
2005	485	290	170	100	90	65	1,200

HOGS, PERCENT OF INVENTORY, SOUTH DAKOTA, 2001-2005

YEAR	HOGS AND PIGS						TOTAL
	1-99 HEAD	100-499 HEAD	500-999 HEAD	1,000-1,999 HEAD	2,000-4,999 HEAD	5,000+ HEAD	
	----- PERCENT -----						
2001	1.5	10.0	11.0	11.5	21.0	45.0	100.0
2002	1.0	9.0	11.0	10.0	21.0	48.0	100.0
2003	1.5	8.5	11.0	10.0	20.0	49.0	100.0
2004	1.0	7.5	9.0	10.0	21.0	51.5	100.0
2005	1.0	5.0	8.0	8.0	20.0	58.0	100.0

HOG OPERATIONS AND PERCENT OF INVENTORY, SOUTH DAKOTA, 2005



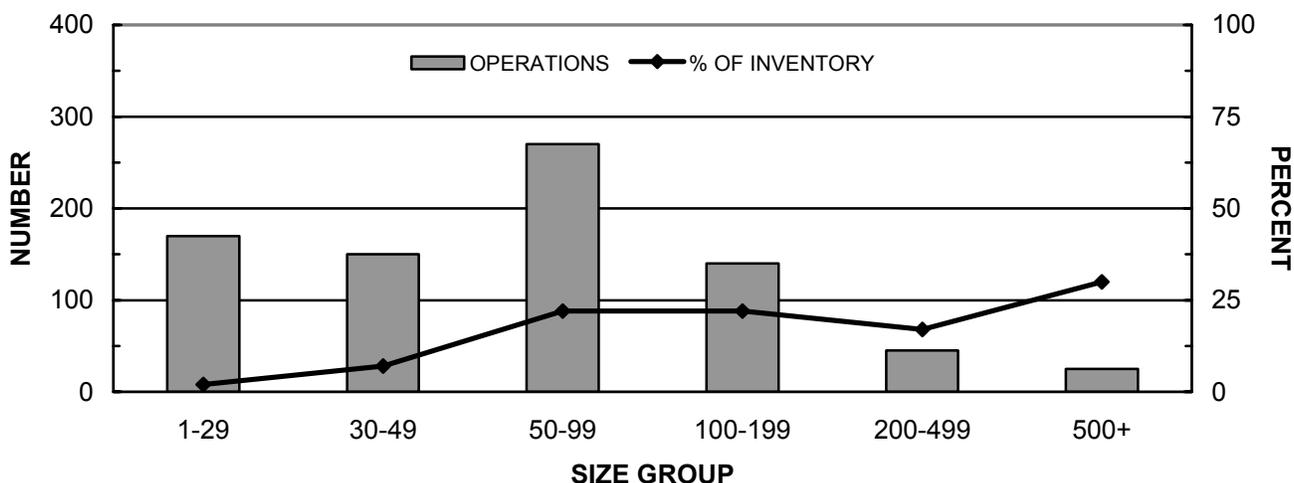
MILK COW OPERATIONS, SOUTH DAKOTA, 2001-2005

YEAR	MILK COWS						TOTAL
	1-29 HEAD	30-49 HEAD	50-99 HEAD	100-199 HEAD	200-499 HEAD	500+ HEAD	
	-----NUMBER-----						
2001	500	270	400	170	45	15	1,400
2002	430	230	330	150	40	20	1,200
2003	400	190	300	150	40	20	1,100
2004	350	170	270	145	45	20	1,000
2005	170	150	270	140	45	25	800

MILK COWS, PERCENT OF INVENTORY SOUTH DAKOTA, 2001-2005

YEAR	MILK COWS						TOTAL
	1-29 HEAD	30-49 HEAD	50-99 HEAD	100-199 HEAD	200-499 HEAD	500+ HEAD	
	-----PERCENT-----						
2001	5.5	11.0	28.5	22.0	14.0	19.0	100.0
2002	5.0	10.0	25.5	21.0	13.5	25.0	100.0
2003	4.5	8.5	24.0	22.5	14.0	26.5	100.0
2004	3.0	8.0	22.0	22.5	16.5	28.0	100.0
2005	2.0	7.0	22.0	22.0	17.0	30.0	100.0

MILK COW OPERATIONS AND PERCENT OF INVENTORY, SOUTH DAKOTA, 2005



SOUTH DAKOTA CROP WEATHER SUMMARY, 2005

GENERAL

South Dakota experienced a year of variability, with several months bringing above-normal temperatures and below-normal precipitation. Small grain seeding progressed ahead of average, with row crop planting in-line with the average. Mild weather helped small grains develop at an average pace, and while row crop development started off slow, they reached maturity ahead of normal. Scattered precipitation led to areas of dry soil moisture and range and pastures; however, some areas received above-normal precipitation during the year, leading to adequate moisture levels.

JANUARY

January started with temperatures slightly above average and snowfall levels below normal, with the average snow depth for the state at month's end at 0.10 inch. While minimal snow cover allowed for extended use of field residue for grazing, many producers were unsure of the winter's effects on fall seedings. Feed and stock water supplies were adequate in most areas during the month, with livestock rated in mostly good to excellent condition.

FEBRUARY

Temperatures during the month averaged 5 to 11 degrees above normal, with precipitation totals below normal for much of the state. Concerns for producers included the continued lack of snow cover and minimal precipitation, with the average snow depth for the state rated at 0.2 inch. Mild weather was welcomed by livestock producers, with calving and lambing season off to a good start, and livestock remaining in mostly good to excellent condition.

MARCH

Weather remained mild through March, with a few snow storms bringing some much-needed moisture to several areas. Subsoil moisture levels were rated slightly higher than the previous year, with some early field activity occurring. Overall, producers anticipated April 5th as the starting date for fieldwork. By March 27th, calving was 32 percent complete, with lambing 51 percent complete.

APRIL

Above-normal temperatures were almost daily occurrences during April, with below-normal precipitation totals in early April moving to above-normal totals in some areas towards the end of the month. Soil moisture levels remained mostly adequate to surplus, while significant progress was made in the seeding of small grains. The average emergence rate of small grains was 44 percent by the end of the month.

MAY

May started off cooler than normal, with precipitation throughout the month improving topsoil and subsoil moisture levels, as well as stock water supplies. By month's end, calving and lambing were both rated 99 percent complete, with livestock, range and pasture rated in mostly good to excellent condition. With 16.4 days reported suitable for fieldwork during May, small grain seeding was completed by mid-May, while corn planting was 97 percent complete, and soybean planting was 68 percent complete by month's end.

JUNE

Temperatures varied from above to below normal during the month, with precipitation keeping soil moisture levels rated at mostly adequate to surplus. Although only 14.2 days were suitable for fieldwork during June, row crop planting was virtually complete by the end of the month. Crops and

livestock were rated in mostly good to excellent condition. While small grain development was in line with the average progress, hay cutting was slightly behind average with the first cutting of alfalfa 72 percent complete by month's end.

JULY

Dry weather caused subsoil moisture levels to fall from 89 percent adequate to surplus to only 56 percent adequate to surplus in late July. Stock water supplies were also strained during the month, with livestock, range and pasture conditions deteriorating slightly. Row crop condition also fell, with small grain harvest starting in mid-July. Winter wheat harvest was 92 percent complete by the end of the month.

AUGUST

Mild, dry weather caused soil moisture and stock water levels to remain stressed during the month. Small grain harvest was virtually completed by late August. Row crop conditions were mostly fair to excellent with development falling slightly behind normal. Corn silage and sorghum silage were 21 percent and 25 percent complete, respectively, with the third cutting of alfalfa 49 percent complete by month's end. Range and pasture remained in mostly fair to excellent condition.

SEPTEMBER

September passed with mostly above-normal temperatures, and enough precipitation to improve topsoil and subsoil moisture levels, as well as stock water supplies. Crop conditions also improved, with row crops reaching maturity ahead of normal, and harvest off to an early start. By month's end, corn was approximately 12 percent harvested, with soybeans 29 percent harvested.

OCTOBER

Temperatures started off below normal in early October, yet moved to above normal by the end of the month. Precipitation was scattered during the month, yet soil moisture levels and stock water supplies remained similar to the previous month, mostly adequate to surplus. With about 24.1 days reported suitable for fieldwork, row crop harvest progressed ahead of average, with alfalfa harvest wrapping up in mid-October. Many producers began to utilize field residue for grazing, while livestock remained in mostly good to excellent condition.

NOVEMBER

Warm, dry weather allowed producers to make significant advancements in row crop harvest. Harvest was completed by mid to late-November for much of the state, ahead of the average progress. Winter wheat emergence was virtually complete by mid-month. Warm weather early in the month was beneficial to livestock, with many farmers and ranchers continuing to graze cattle on field residue. However, a major ice storm after Thanksgiving and other winter storms in late November were common.

DECEMBER

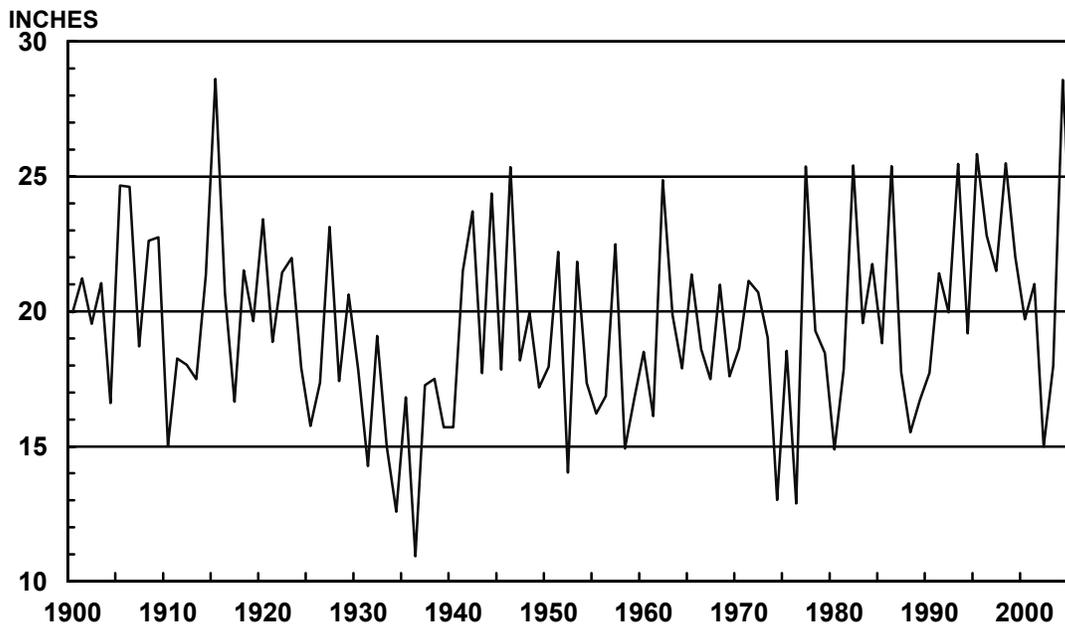
While much of December included above-normal temperatures, snowfall and severe weather were common in several areas, causing much difficulty in caring for livestock. Weather variability also stressed livestock, with temperatures ranging from mild to frigid. Lack of snow cover and previous ice storms were a concern for producers throughout the state. The average snow depth for the state at month's end was 4.1 inches.

PRECIPITATION SOUTH DAKOTA, 2004-2005

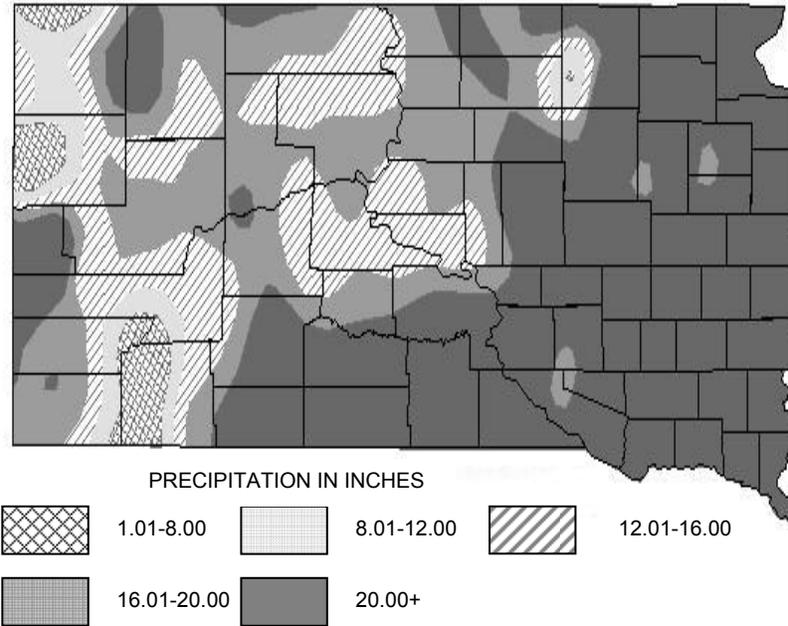
DIST.	STATION	GROWING SEASON				ANNUAL			
		APR 1-SEPT 30 2004		APR 1-SEPT 30 2005		2004		2005	
		TOTAL	DEPARTURE FROM NORMAL	TOTAL	DEPARTURE FROM NORMAL	TOTAL	DEPARTURE FROM NORMAL	TOTAL	DEPARTURE FROM NORMAL
-----INCHES-----									
NW	CAMP CROOK	10.00	-1.11	10.83	-0.28	13.85	-0.52	13.85	-0.52
	NEWELL	9.43	-1.96	14.35	+2.96	13.16	-2.32	16.55	+1.07
	LEMMON	9.40	-4.16	15.83	+2.27	11.82	-6.42	19.75	+1.51
	DUPREE	14.51	+1.13	14.65	+1.27	19.75	+1.91	16.79	-1.05
NC	MOBRIDGE	11.48	-1.21	12.46	-0.23	14.52	-2.42	14.33	-2.61
	FAULKTON	20.89	+6.04	18.26	+3.41	25.22	+4.91	22.54	+2.23
	ABERDEEN	16.91	+1.75	14.09	-1.07	21.77	+1.55	18.70	-1.52
NE	WAUBAY	19.28	+3.39	17.51	+1.62	24.71	+3.76	22.74	+1.79
	WATERTOWN	19.65	+3.28	16.50	+0.13	27.12	+5.18	21.90	-0.04
	MILBANK	21.45	+5.37	16.20	+0.12	26.55	+4.50	22.51	+0.46
WC	SPEARFISH	10.43	-4.77	13.84	-1.36	14.43	-7.23	19.76	-1.90
	RAPID CITY	9.87	-2.52	11.28	-1.11	13.16	-3.48	14.41	-2.23
	COTTONWOOD	9.71	-3.03	12.96	+0.22	13.13	-4.03	16.37	-0.79
	MILESVILLE	16.36	+1.68	15.70	+1.02	20.99	+1.36	18.84	-0.79
C	PIERRE	14.10	-0.71	11.20	-3.61	18.70	-1.18	13.34	-6.54
	HIGHMORE	19.19	+3.20	15.97	-0.02	24.00	+2.77	19.54	-1.69
	HURON	21.90	+6.60	19.65	+4.35	29.71	+8.81	25.78	+4.88
EC	MITCHELL	22.46	+5.67	23.47	+6.68	28.10	+5.24	28.86	+6.00
	BROOKINGS	22.00	+4.26	26.27	+8.53	24.99	+2.18	33.12	+10.31
	SIOUX FALLS	25.48	+7.43	22.98	+4.93	30.92	+6.23	31.71	+7.02
SW	OELRICHS	7.41	-5.58	17.62	+4.63	10.92	-6.33	19.72	+2.47
	PORCUPINE	9.87	-3.37	17.03	+3.79	14.55	NA	20.63	+3.11
SC	MURDO	12.78	-1.44	15.15	+0.93	17.94	-1.83	19.39	-0.38
	KENNEBEC	14.67	+0.38	16.85	+2.56	22.01	+3.30	22.83	+4.12
	WINNER	16.33	-1.09	18.11	+0.69	22.41	-1.31	22.70	-1.02
SE	PICKSTOWN	16.62	-0.90	18.82	+1.30	21.51	-1.86	24.83	+1.46
	YANKTON	NA	NA	22.36	+3.61	NA	NA	30.62	+5.53

NA = NOT AVAILABLE.
SOURCE: SOUTH DAKOTA STATE CLIMATOLOGIST.

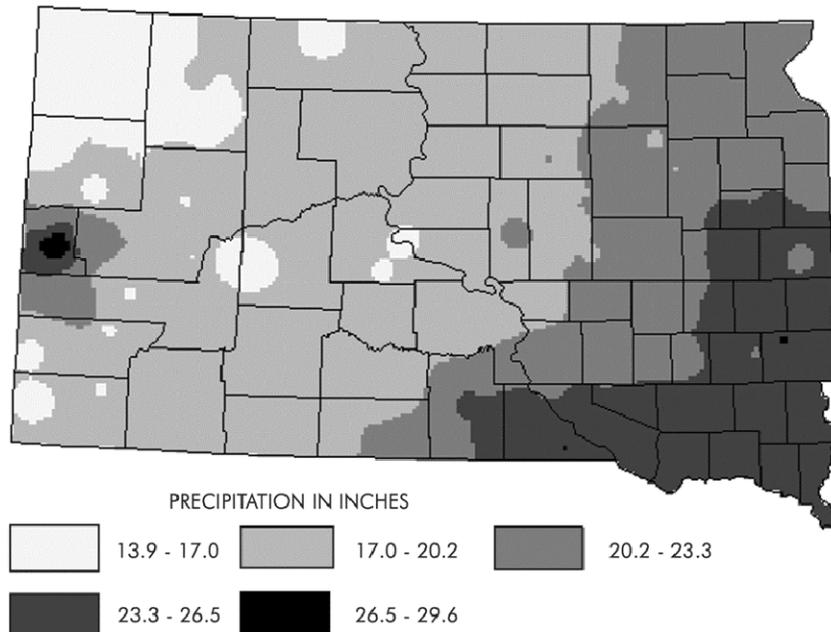
AVERAGE ANNUAL PRECIPITATION, SOUTH DAKOTA, 1900-2005



**GROWING SEASON PRECIPITATION,
SOUTH DAKOTA, APRIL THROUGH SEPTEMBER, 2005**



**GROWING SEASON PRECIPITATION
SOUTH DAKOTA, APRIL THROUGH SEPTEMBER AVERAGE, 1971-2000**



SOURCE: SOUTH DAKOTA STATE CLIMATOLOGIST