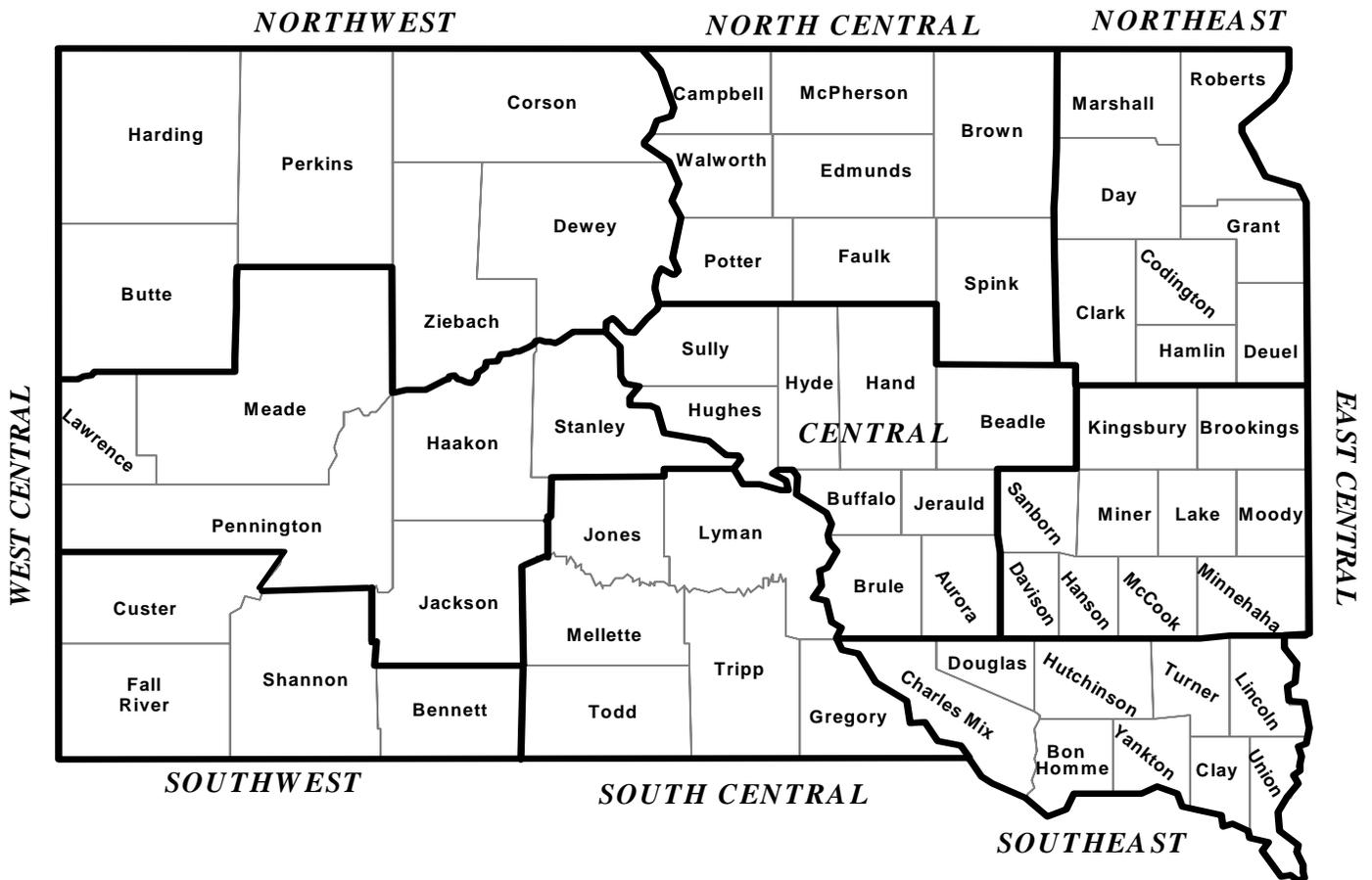


SOUTH DAKOTA AGRICULTURAL STATISTICS DISTRICTS



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

2005

presented by

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STATE OF SOUTH DAKOTA
M. MICHAEL ROUNDS, GOVERNOR

My Fellow South Dakotans:

It is my pleasure to report to you that despite continuing impacts of the region's lingering drought, our state increased agricultural production in several areas last year.

South Dakota ranked second in the nation for 2004 production of sunflowers, honey, oats and millet and third in the nation for alfalfa hay, flax, rye and lambs.

South Dakota increased sunflower seed production to 606.7 million pounds and ranked second in the nation in production of that commodity.

Our rank in honey production last year rose from fourth to second place. Honey producers in our state reported 22.6 million pounds.

Both corn and soybean production increased from the previous year. Corn production was 539.5 million bushels while soybean growers produced 140.1 million bushels.

We're moving forward in agriculture development as well as production. We've funded 21 feasibility or marketing studies with the Value-Added Subfund in the past 2 years in areas such as bio-diesel, beef processing, oilseed crushing, custom dried forage and using swine for diabetes research.

In the past year, ten new dairy production facilities have been built, representing \$40 million in new investments in South Dakota. The South Dakota Certified Beef program was approved by the legislature, and a new turkey processing facility is near completion in Huron. The plant will process a large portion of the 4.5 million turkeys raised in our state annually.

I congratulate all the hard-working men and women involved in South Dakota agriculture for a job well done. The statistics show you have moved forward and made progress in some difficult times.

You are a vital component of our state's economy and we are all grateful for your contributions.

Sincerely,

M. Michael Rounds





South Dakota Department of Agriculture

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OFFICE OF THE SECRETARY

My Fellow South Dakotans:

There are two ways to look at the statistics in this publication. Both are valuable. They can be viewed as a measure of accomplishments or as a measure of new opportunities.

The first view is what I call the traditional view. The production statistics are bulk commodities produced by the hard work of our farmers and ranchers who contribute about \$6 billion to our economy each year.

They are doing a good job and the production reports show increases in several areas during 2004. We can look at these numbers as a measure of their accomplishment and contribution.

There is another way to look at these numbers. When the maker of corn chips or ethanol sees the figure of 500-million-plus bushels of corn in the middle of the continental United States, he might view that as a business opportunity, and he would be right.

A very large supply of raw commodities, located far from the nearest port, in a state with no income tax and having a reliable labor supply is real opportunity to multiply the value of that commodity by turning it into products.

That's the value-added view.

That's the pro-development view.

That's market-product view and it's also our future knocking.

We rank number two in honey production but much of it is sold in bulk and blended with other honey to improve the quality of that honey.

We can change that by moving from the traditional view to the market-product view. When we do that, a greater share of the end market value will stay in our state.

The market-product view is what our "Certified Beef"© program is all about. Right now, we are working on beef. In the future, "SD Certified" may expand to other products like honey.

It is my hope that the information reported to you in this document will be viewed by South Dakotans as real business opportunities we can explore together in the future.

Sincerely,

Larry E. Gabriel

S.D. SECRETARY OF AGRICULTURE





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Dear Data User:

The South Dakota Agricultural Statistics Office is proud to present the 65th annual "**South Dakota Agriculture**" bulletin. This publication is made possible through the cooperation of producers, agribusinesses, county extension educators, and Farm Service Agency county directors, as well as the South Dakota Department of Agriculture, which provides funding for this publication.

Production agriculture continues to be a rewarding but extremely challenging industry across the U.S. However, the hard work and dedication of the state's farmers and ranchers make agriculture South Dakota's leading industry. The national, state, and county level statistics in this publication serve as the foundation for fact-based decision making.



Carter Anderson, Director



Steve Noyes, Deputy
Director

We would like to extend a special thank you to the many farmers and ranchers who took the time to participate in our surveys. This information is the most effective way of producing actual, timely, and accurate statistics that are most useful for everyone in agriculture. Thank you, also, to the agribusinesses, elevators, county extension educators, and Farm Service Agency directors for their continued support in preparing these statistics.

Finally, we would like to thank our office staff and enumerators for their dedication in providing our state with the highest quality statistics possible. The staff of the South Dakota Agricultural Statistics Office is committed to serving the agricultural data needs of all users. If at any time you have questions, comments, or information requests, please feel free to contact us.

Sincerely,

Carter Anderson
Director

Sincerely,

Steve Noyes
Deputy Director



**National Agricultural Statistics Service
Fact Finders for Agriculture**

An Equal Opportunity Provider and Employer

GENERAL INFORMATION

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**NUMBER OF FARMS, AVERAGE SIZE OF FARM, AND LAND IN FARMS,
SOUTH DAKOTA, 1975-2004**

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
1975	43.0	1,056	45,400	1990	35.0	1,266	44,300
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

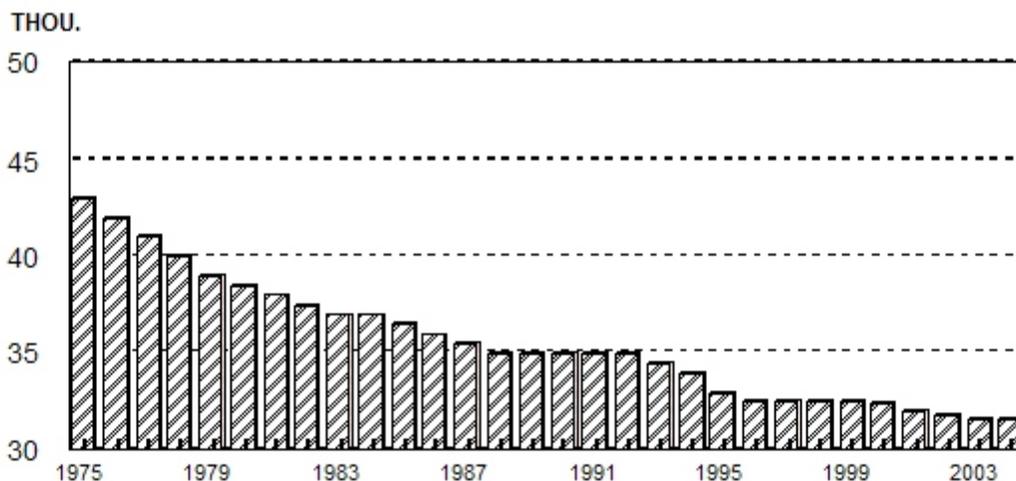
**NUMBER AND AVERAGE SIZE OF FARMS, BY SALES CLASS,
SOUTH DAKOTA, 2000-2004**

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)
2000	7,800	372	14,300	888	6,800	2,029	2,400	3,375	1,100	5,909
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

**NUMBER OF LIVESTOCK FARMS,
SOUTH DAKOTA, 2000-2004**

ITEM	2000	2001	2002	2003	2004
	----- (1,000) -----				
ALL CATTLE	20.0	19.5	19.0	18.0	17.5
BEEF COWS	17.0	17.0	16.5	15.5	15.5
MILK COWS	1.5	1.4	1.2	1.1	1.0
HOGS	1.9	1.6	1.5	1.5	1.4
ALL SHEEP	2.3	2.3	2.3	2.1	2.1

NUMBER OF FARMS, SOUTH DAKOTA, 1975-2004



**NUMBER OF FARMS, AVERAGE SIZE OF FARM, AND LAND IN FARMS,
UNITED STATES, 1975-2004**

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
1975	2,521	420	1,059,420	1990	2,146	460	986,850
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	936,600

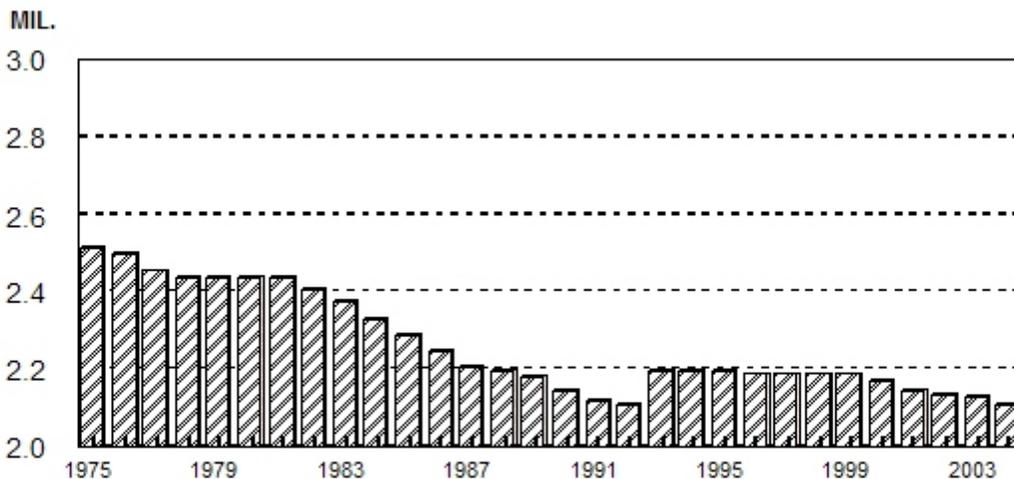
**NUMBER AND AVERAGE SIZE OF FARMS, BY SALES CLASS,
UNITED STATES, 2000-2004**

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)
2000	1,183,480	108	638,380	437	182,900	1,086	89,370	1,648	72,650	2,636
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	1,180,560	102	599,170	445	167,930	1,155	89,070	1,702	76,740	2,656

**NUMBER OF LIVESTOCK FARMS,
UNITED STATES, 2000-2004**

ITEM	2000	2001	2002	2003	2004
	----- (1,000) -----				
ALL CATTLE	1,076.4	1,049.2	1,036.4	1,013.6	989.5
BEEF COWS	831.3	814.5	808.1	792.1	774.6
MILK COWS	105.1	97.5	91.2	86.4	81.4
HOGS	87.5	81.2	76.3	73.7	69.4
ALL SHEEP	69.2	68.6	68.2	67.7	67.2

NUMBER OF FARMS, UNITED STATES, 1975-2004



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.

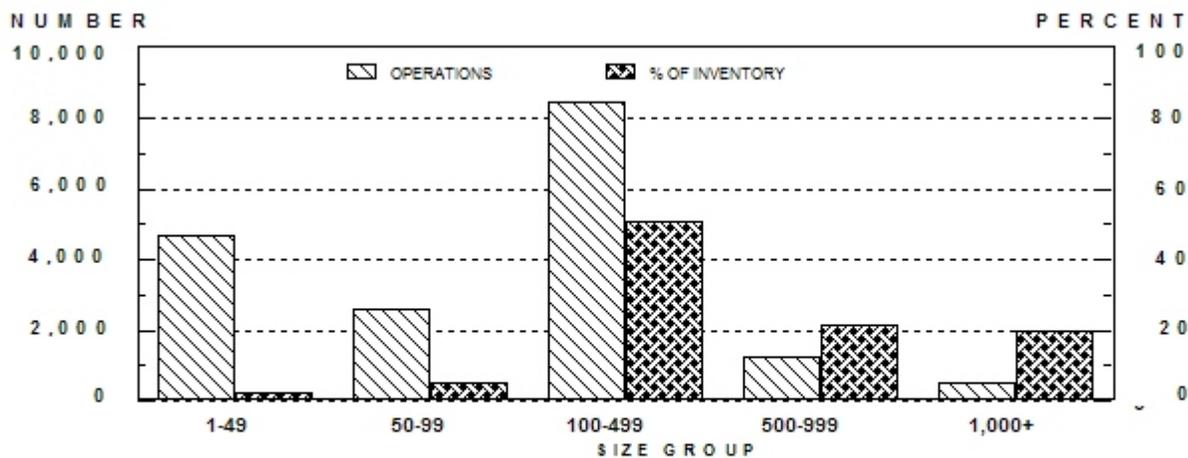
**CATTLE AND BEEF COW OPERATIONS,
SOUTH DAKOTA, 2000-2004**

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				
2000	5,600	3,600	9,000	1,300	500	20,000	7,300	3,400	5,900	400	17,000
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

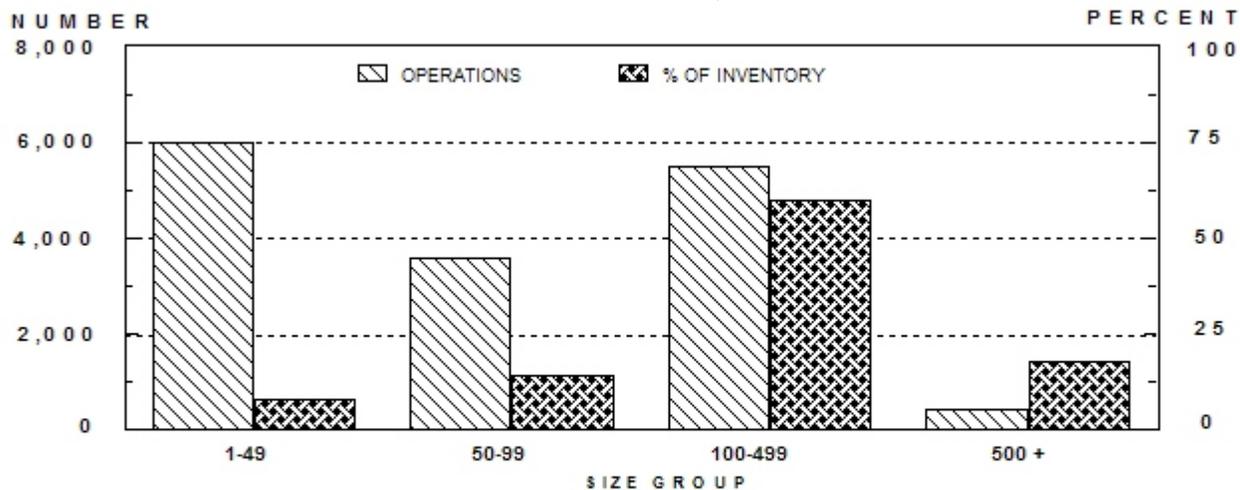
**CATTLE AND BEEF COWS, PERCENT OF INVENTORY,
SOUTH DAKOTA, 2000-2004**

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				
2000	3.1	6.4	50.0	21.0	19.5	100.0	9.5	13.0	61.0	16.5	100.0
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

**CATTLE OPERATIONS AND PERCENT OF INVENTORY,
SOUTH DAKOTA, 2004**



**BEEF COW OPERATIONS AND PERCENT OF INVENTORY,
SOUTH DAKOTA, 2004**



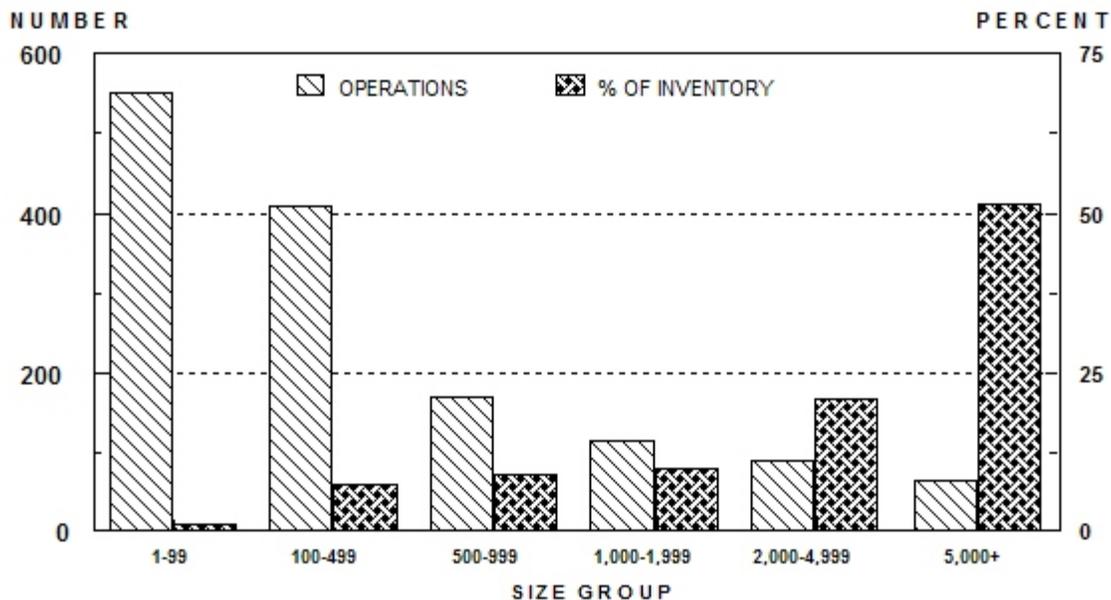
HOG OPERATIONS, SOUTH DAKOTA, 2000-2004

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						
2000	800	600	220	130	90	60	1,900
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

HOGS, PERCENT OF INVENTORY, SOUTH DAKOTA, 2000-2004

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						
2000	2.0	10.0	11.0	12.0	21.0	44.0	100.0
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

HOG OPERATIONS AND PERCENT OF INVENTORY, SOUTH DAKOTA, 2004



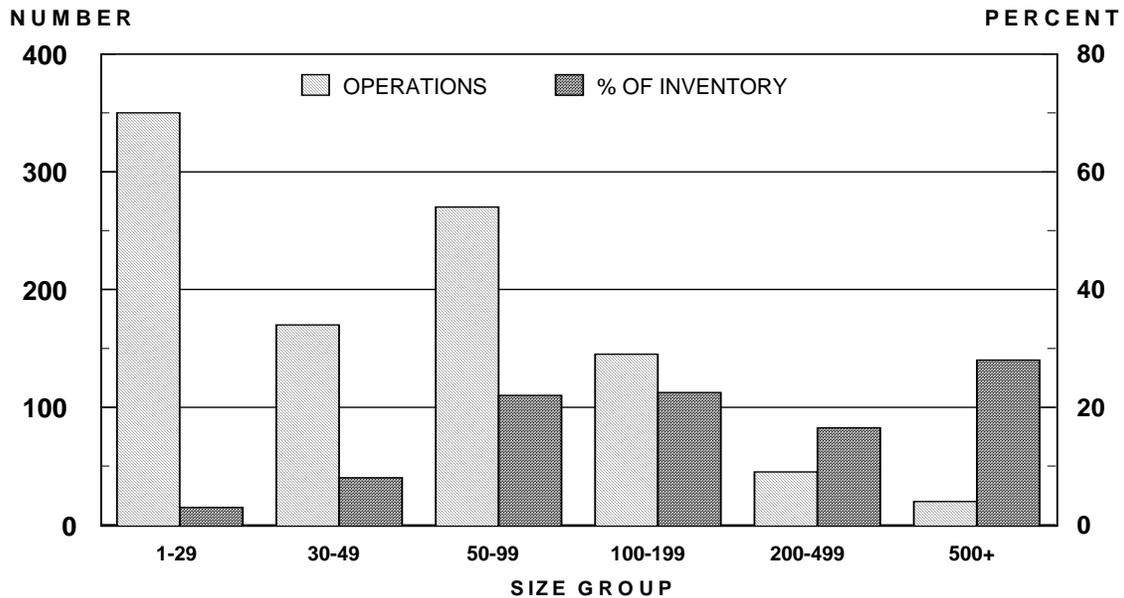
**MILK COW OPERATIONS,
SOUTH DAKOTA, 2000-2004**

YEAR	MILK COWS						TOTAL
	1-29 HEAD	30-49 HEAD	50-99 HEAD	100-199 HEAD	200-499 HEAD	500+ HEAD	
	----- NUMBER -----						
2000	550	290	430	170	45	15	1,500
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

**MILK COWS, PERCENT OF INVENTORY,
SOUTH DAKOTA, 2000-2004**

YEAR	MILK COWS						TOTAL
	1-29 HEAD	30-49 HEAD	50-99 HEAD	100-199 HEAD	200-499 HEAD	500+ HEAD	
	----- PERCENT -----						
2000	6.0	11.5	30.5	23.0	13.0	16.0	100.0
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

**MILK COW OPERATIONS AND PERCENT OF INVENTORY,
SOUTH DAKOTA, 2004**



SOUTH DAKOTA CROP WEATHER SUMMARY, 2004

GENERAL

South Dakota dealt with another year of predominantly dry weather, and many areas continued to struggle with drought. Small grain seeding and row crop planting advanced ahead of normal, however, cool weather caused row crops to mature much slower than normal, pushing row crop harvest behind as well. Range and pasture conditions as well as soil moisture and stock water supplies varied during 2004, as precipitation was scattered and several areas received below normal precipitation for the year.

JANUARY

January started with above-normal temperatures and below-normal snowfall, with temperatures dropping and snow falling toward the end of the month. The average snow depth for the state at month's end was 4.2 inches. With much of the state lacking snow cover for the majority of the month, many were unsure of the winter's effects on fall seedings. Mild weather was beneficial to livestock producers, with feed and stock water supplies adequate in most areas.

FEBRUARY

Temperatures during February averaged slightly above normal, with precipitation slightly below normal. The average snow depth for the state at the end of the month was 1.9 inches. Moisture levels and snow cover were the main concerns for producers this month. Calving and lambing season was welcomed with favorable weather, with livestock in mostly fair to good condition for the month.

MARCH

Warm weather and precipitation were common throughout the state during March. Temperatures averaged 7.5 degrees above normal for the month, with soil moisture levels rated slightly higher than last year. Some producers got an early start on spring field activity, and most anticipated March 31st as the starting date for fieldwork.

APRIL

Warm temperatures started off the month, with temperatures falling below normal by month's end. Precipitation totals were below normal during April, causing stock water supplies and soil moisture levels to be very short to short throughout the state. Seeding of small grains neared completion by the end of the month, well ahead of 2003's progress. The average emergence rate of small grains was at 45 percent by the end of the month.

MAY

May started off with significant soil moisture level decreases, due to high temperatures and minimal precipitation; but by the end of the month, subsoil moisture levels had risen to 47 percent adequate to surplus. With precipitation falling frequently, only 18.3 days were suitable for fieldwork during May. Small grain seeding wrapped up early in the month, with row crop planting progressing ahead of average rates. By month's end, corn and soybeans were 97 and 72 percent planted, respectively.

JUNE

Cool, damp weather was common throughout the state in June, with only 18.1 days suitable for fieldwork during the month. Soil moisture levels improved. Crops and livestock were rated in mostly fair to excellent condition. Small grain development advanced ahead of average. Row crop planting and

development was in line with the five-year averages, with the first cutting of alfalfa 70 percent complete by the end of the month.

JULY

Cool weather in early July gave way to hot, dry weather by the end of the month, causing soil moisture levels to decline during crucial crop development stages. Topsoil was rated at 45 percent very short to short with subsoil moisture levels rated at 49 percent very short to short by month's end. Stock water supplies also deteriorated during the month, with livestock rated in good to excellent condition throughout much of the state. Small grain harvest began later than normal, with winter wheat harvest 81 percent complete by the end of the month.

AUGUST

August started off with showers and thunderstorms, with strong winds and hail causing damage to crops and livestock throughout several areas of the state. Cool, dry weather caused crop maturity to remain behind normal, with corn and sorghum silage harvest only 9 and 15 percent complete, respectively, by month's end. Stock water supplies and soil moisture levels declined, with topsoil moisture rated 56 percent very short to short and subsoil moisture rated 52 percent very short to short by the end of the month.

SEPTEMBER

September started off with above-normal temperatures, which fell to below normal by the end of the month. Soil moisture levels improved throughout the month, and stock water supplies also improved. Precipitation was also beneficial to range and pasture conditions, with cattle and sheep rated in good to excellent condition throughout the state. With crops reaching maturity later than normal, due to cooler temperatures earlier in the growing season, harvest also began later than normal. By month's end, corn was 2 percent harvested and soybeans were 6 percent harvested.

OCTOBER

Temperatures varied from above normal to below normal for the month, with precipitation doing little to improve soil moisture levels. Row crop harvest advanced during the 20.8 days suitable for fieldwork this month, yet harvest remained well behind normal throughout the state. Alfalfa harvest was in line with average, wrapping up towards the end of the month. Many producers began to utilize field residue for grazing, as pasture and range land continued to be dry.

NOVEMBER

Warm, dry weather for much of November allowed producers to make significant advancements in harvest progress. Winter wheat emergence was primarily completed mid-month, with corn harvest 93 percent complete by month's end. Soil moisture levels varied little throughout the month, with topsoil moisture rated 81 percent adequate to surplus and subsoil moisture rated 68 percent adequate to surplus by the end of the month.

DECEMBER

December brought mild weather, along with minimal snowfall. The average snow depth for the state at month's end was 0.20 inch. Many producers worried that much more snow would be required to protect winter wheat and alfalfa from harsh winter temperatures. Mild weather allowed producers to graze fields longer, helping to save on feed supplies.

AVERAGE TEMPERATURES, 1971-2000

WEATHER STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
ABERDEEN	11.0	18.7	30.7	45.4	57.9	66.8	72.2	70.5	59.8	46.8	29.3	16.0	43.8
ACADEMY	17.3	23.3	33.4	45.5	57.6	67.4	73.5	71.4	61.7	48.6	32.0	21.1	46.1
ALEXANDRIA	16.5	23.3	34.8	48.2	60.3	69.7	74.7	72.9	63.6	50.7	33.3	20.5	47.4
ARMOUR	19.1	25.9	36.7	49.3	60.8	70.5	75.9	74.1	64.5	51.5	34.6	22.8	48.8
BELLE FOURCHE	23.3	28.2	35.8	46.6	57.0	66.7	72.9	71.6	60.8	49.0	34.1	25.3	47.6
BISON	17.2	23.7	32.7	45.2	56.6	66.0	72.2	71.6	60.7	47.9	31.3	20.7	45.5
BONESTEEL	18.3	24.1	34.0	45.4	57.4	67.3	73.4	71.5	61.8	49.1	33.0	22.1	46.5
BRIDGEWATER	14.0	21.1	32.4	46.3	58.9	69.0	73.8	71.2	61.7	48.7	31.9	18.7	45.6
BRITTON	9.8	17.5	29.8	44.9	57.9	66.3	71.6	70.3	60.4	47.5	28.8	15.3	43.3
BROOKINGS	10.9	17.9	30.1	44.2	56.7	66.1	70.7	68.6	59.1	46.3	30.0	16.3	43.1
CAMP CROOK	18.6	24.4	33.0	44.2	54.7	64.2	70.6	69.7	58.7	46.4	30.9	21.5	44.7
CANTON	15.6	22.8	34.6	48.1	60.5	69.7	73.4	71.0	62.5	50.2	32.9	19.9	46.8
CASTLEWOOD	9.8	17.0	28.6	43.1	56.1	65.6	70.5	68.2	58.3	45.4	28.7	15.0	42.2
CEDAR BUTTE	21.1	26.4	35.3	46.8	58.6	68.3	75.2	73.7	63.9	50.2	34.1	24.2	48.2
CENTERVILLE	15.4	22.1	33.8	47.2	59.5	69.4	73.7	71.5	62.3	49.7	33.4	20.0	46.5
CLARK	10.6	17.2	28.9	43.5	56.8	65.9	71.3	69.0	59.0	46.1	28.7	15.5	42.7
CLEAR LAKE	9.7	16.8	28.1	43.3	56.7	66.0	70.8	68.9	58.9	46.0	28.9	14.4	42.4
COLUMBIA	8.2	15.5	27.9	43.7	56.9	66.0	71.2	68.9	58.2	45.1	27.2	13.8	41.9
CUSTER	24.0	28.2	33.3	40.9	50.4	59.7	66.1	65.0	56.1	45.1	32.6	25.9	43.9
DE SMET	12.1	19.3	30.8	45.3	57.5	67.3	72.1	70.0	60.2	47.2	29.7	16.7	44.0
DUPREE	16.4	22.8	32.3	45.1	57.0	66.4	72.7	71.4	60.4	47.6	30.5	19.6	45.2
EUREKA	10.3	17.8	29.2	44.0	56.7	65.6	71.4	70.0	59.4	46.4	28.0	15.3	42.8
FAITH	18.1	24.4	33.6	46.4	57.7	67.3	73.9	72.9	62.3	49.1	32.4	21.6	46.6
FAULKTON	12.4	19.3	30.8	45.4	57.7	66.9	72.6	71.1	61.0	47.7	29.7	16.9	44.3
FLANDREAU	11.5	17.9	30.1	44.3	57.2	66.9	71.5	69.1	59.1	46.6	30.2	17.0	43.5
FORESTBURG	15.4	22.6	34.2	48.0	59.7	69.2	74.5	72.7	63.0	49.9	32.8	20.0	46.8
FORT MEADE	24.2	28.7	35.5	45.8	56.1	65.5	72.2	71.3	61.3	49.0	34.3	26.5	47.5
GANN VALLEY	13.3	20.0	31.6	44.9	57.3	67.1	73.1	71.3	61.0	47.3	30.0	17.8	44.6
GETTYSBURG	13.2	19.9	30.7	44.5	56.5	65.9	71.9	70.6	60.0	47.1	30.1	17.8	44.0
GLAD VALLEY	14.0	20.4	29.7	42.7	54.9	64.7	71.2	69.5	58.6	45.4	29.3	17.7	43.2
GREGORY	17.6	23.2	33.5	45.5	57.3	67.4	73.4	71.4	61.9	48.5	31.7	21.1	46.0
HIGHMORE	14.6	21.5	32.1	45.4	57.3	66.7	72.8	71.7	61.4	48.3	30.7	18.6	45.1
HOT SPRINGS	24.3	29.3	37.0	46.2	56.0	65.5	71.7	70.1	60.2	48.4	33.9	25.8	47.4
HOWARD	12.6	19.4	31.3	44.8	57.7	67.2	72.5	69.9	59.9	47.5	30.4	17.3	44.2
HURON	14.2	21.0	32.6	46.1	58.2	67.9	73.4	71.5	61.0	47.9	31.3	18.6	45.3
INTERIOR	24.2	29.7	38.6	49.6	60.3	69.8	76.4	75.6	65.5	52.4	36.4	27.2	50.5
KENNEBEC	18.8	25.3	35.8	48.2	60.1	69.9	76.2	74.8	64.5	50.8	33.3	22.1	48.3
LEAD	23.3	26.8	32.1	40.1	49.9	59.3	65.7	65.0	55.6	44.3	31.5	24.9	43.2
LEMMON	15.8	22.6	31.8	44.8	56.7	65.4	71.4	70.6	59.8	47.3	30.6	19.7	44.7
LEOLA	11.4	18.7	29.9	44.7	57.3	66.1	71.6	70.1	59.7	46.8	28.9	16.1	43.4
LONG VALLEY	23.1	28.3	36.1	46.8	57.8	67.7	74.1	73.2	63.5	50.9	35.1	26.1	48.6
LUDLOW	16.3	22.5	30.8	42.8	53.5	62.6	68.9	68.1	57.3	45.0	29.3	19.5	43.1
MARION	14.7	21.8	33.5	47.4	59.6	69.3	74.1	71.8	62.4	49.3	32.6	19.0	46.3
MC INTOSH	13.7	21.1	31.3	45.0	57.4	66.3	72.4	71.1	60.0	47.3	29.9	18.1	44.5
MELLETTTE	10.1	17.5	29.8	44.8	57.4	66.7	71.9	70.0	59.1	45.9	28.8	15.5	43.1
MENNO	17.4	24.4	35.8	49.0	61.0	70.5	74.8	72.6	63.6	51.0	33.6	21.1	47.9
MIDLAND	19.0	25.4	34.6	46.6	58.3	67.7	74.0	72.7	61.8	48.9	32.8	22.3	47.0
MILBANK	10.7	17.5	29.6	44.3	57.7	67.1	71.7	69.6	59.9	46.9	29.6	16.1	43.4
MILESVILLE	19.0	25.3	34.8	47.2	58.1	67.8	74.2	73.2	62.5	49.6	33.0	22.0	47.2
MILLER	14.6	20.5	30.9	44.2	57.0	66.8	72.9	70.8	60.8	47.8	30.7	18.8	44.7
MISSION	20.3	25.5	33.9	45.2	56.7	66.9	73.5	71.8	61.5	48.6	33.2	23.8	46.7
MITCHELL	15.1	21.9	33.2	46.8	59.1	68.9	74.2	72.0	62.0	48.8	32.4	19.8	46.2
MOBRIDGE	13.7	20.9	31.3	45.0	57.6	66.9	73.2	71.9	61.3	48.3	31.2	18.6	45.0
MURDO	18.9	24.9	34.6	46.4	57.7	67.6	74.2	72.9	62.9	49.6	32.5	21.9	47.0
NEWELL	19.0	24.8	33.4	45.0	55.9	66.0	72.8	71.7	60.8	47.7	32.3	21.8	45.9
OAHE DAM	17.7	23.2	32.9	45.6	57.6	67.9	74.7	73.2	62.5	49.8	33.7	22.5	46.8
OELRICHS	21.3	26.8	35.3	45.8	56.4	66.5	73.8	72.4	61.3	48.7	32.7	23.5	47.0
ONIDA	14.2	20.9	31.8	45.3	57.4	66.9	73.2	71.4	61.2	47.9	30.2	18.0	44.9
PHILIP	18.9	24.6	34.0	46.1	57.9	67.8	74.4	73.4	62.1	48.6	32.5	22.0	46.9
PICKSTOWN	19.7	26.0	35.9	47.8	59.5	69.4	75.1	73.6	63.6	51.1	35.1	23.6	48.4
PIERRE	17.8	24.5	34.7	47.2	58.9	68.7	75.5	74.1	63.2	49.7	33.3	21.9	47.5
POLLOCK	11.8	19.5	30.5	45.3	58.1	67.1	72.9	71.5	60.6	47.1	29.3	16.3	44.2
RAPID CITY	22.4	27.3	34.9	44.7	55.0	64.6	71.7	71.1	60.6	48.2	33.4	24.7	46.6
REDFIELD	13.0	21.3	32.8	46.7	58.6	67.9	73.6	72.1	61.3	48.3	31.6	18.9	45.5
REDIG	17.0	23.2	31.7	43.4	54.3	63.6	70.3	69.3	58.6	46.3	30.5	20.4	44.1
SIOUX FALLS	14.0	20.8	32.6	45.7	57.8	67.5	73.0	70.8	60.9	48.0	31.3	18.3	45.1
SISETON	11.4	18.4	30.2	45.0	58.2	66.7	72.1	70.2	60.1	47.7	29.9	16.6	43.9
SPEARFISH	24.6	28.6	35.1	45.1	55.3	65.0	71.7	70.4	59.8	47.6	34.1	27.2	47.0
STEPHAN	12.8	18.8	30.5	44.1	56.5	66.4	72.4	70.6	60.4	46.5	29.0	16.6	43.7
SUMMIT	9.2	16.2	27.9	42.9	55.7	64.3	69.1	67.6	58.2	45.7	27.5	14.0	41.5
TIMBER LAKE	14.9	21.8	31.6	45.1	57.1	66.2	72.2	70.9	60.3	47.4	30.2	18.7	44.7
TYNDALL	17.9	24.4	35.3	48.3	60.3	70.2	75.3	73.1	63.6	50.5	34.2	21.8	47.9
VERMILLION	19.2	25.9	37.4	50.3	61.9	71.4	76.0	74.0	65.3	52.6	35.5	22.9	49.4
WAGNER	20.1	26.4	36.9	49.6	61.5	71.2	76.5	74.6	64.9	51.9	34.9	23.5	49.3
WASTA	19.7	25.7	34.9	46.5	57.8	67.5	74.1	72.4	61.6	48.3	32.3	22.5	46.9
WATERTOWN	10.0	17.0	28.7	43.0	55.8	65.2	70.4	68.0	58.0	45.3	28.3	14.8	42.0
WEBSTER	10.0	16.7	28.8	43.7	57.1	66.2	71.6	69.5	58.8	46.1	28.5	15.0	42.7
WENTWORTH	13.8	20.7	32.5	46.7	59.2	68.2	72.5	70.5	61.3	48.7	31.5	18.3	45.3
WHITE LAKE	17.2	23.9	34.8	47.7	59.5	68.9	74.5	72.8	63.0	49.8	32.7	21.0	47.2
WINNER	22.7	28.6	37.7	49.2	60.6	70.4	76.3	74.9	65.3	52.5	35.6	25.6	50.0
YANKTON	18.1	24.2	35.0	47.5	59.2	69.4	74.5	72.4	63.1	50.9	34.5	22.0	47.6

SOURCE: SOUTH DAKOTA STATE CLIMATOLOGIST.

AVERAGE PRECIPITATION, 1971-2000

WEATHER STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
ABERDEEN	0.48	0.48	1.34	1.83	2.69	3.49	2.92	2.42	1.81	1.63	0.75	0.38	20.22
ACADEMY	0.49	0.63	1.52	2.68	3.78	3.34	2.97	2.17	2.24	1.82	0.99	0.41	23.04
ALEXANDRIA	0.44	0.56	1.49	2.58	3.25	3.39	2.88	2.62	2.27	1.73	1.18	0.39	22.78
ARDMORE	0.40	0.55	1.04	1.91	2.87	2.80	2.29	1.59	1.38	1.32	0.61	0.45	17.21
BELLE FOURCHE	0.46	0.54	1.06	1.97	2.99	3.10	2.05	1.39	1.30	1.74	0.71	0.62	17.93
BISON	0.44	0.49	1.21	2.11	2.72	2.82	2.27	1.47	1.20	1.46	0.57	0.50	17.26
BONESTEEL	0.33	0.62	1.82	2.97	4.41	3.73	3.55	2.89	2.96	1.91	0.98	0.43	26.60
BRIDGEWATER	0.40	0.47	1.58	2.45	3.86	3.63	3.23	3.52	2.78	2.03	1.12	0.43	25.50
BRITTON	0.63	0.51	1.03	1.72	2.87	3.44	3.33	2.28	2.08	1.60	0.82	0.37	20.68
BROOKINGS	0.34	0.40	1.29	2.03	2.95	4.23	3.11	2.94	2.48	1.78	1.00	0.26	22.81
CAMP CROOK	0.31	0.28	0.62	1.43	2.75	2.58	2.05	1.19	1.11	1.23	0.52	0.30	14.37
CANTON	0.37	0.40	1.53	2.45	3.06	3.68	3.18	3.19	2.14	1.83	1.24	0.46	23.53
CASTLEWOOD	0.70	0.55	1.33	1.99	2.95	4.15	3.41	2.87	2.31	1.94	0.96	0.49	23.65
CEDAR BUTTE	0.36	0.42	1.30	2.12	3.22	3.47	2.86	1.78	1.40	1.50	0.58	0.35	19.36
CENTERVILLE	0.43	0.52	1.64	2.47	3.65	3.95	3.35	2.83	2.26	1.80	1.36	0.55	24.81
CLARK	0.65	0.61	1.31	1.98	2.86	3.75	3.14	2.90	1.99	1.76	1.04	0.47	22.46
CLEAR LAKE	0.78	0.66	1.79	2.25	3.12	4.27	3.46	3.12	2.44	2.03	1.32	0.53	25.77
COLUMBIA	0.56	0.45	1.42	1.80	2.78	3.19	2.95	2.31	1.99	1.72	0.76	0.37	20.30
CUSTER	0.39	0.63	1.07	2.06	3.31	3.17	3.02	2.38	1.50	1.47	0.67	0.52	20.19
DE SMET	0.62	0.62	1.53	2.21	3.08	3.92	3.55	2.76	2.36	1.68	1.06	0.45	23.84
DUPREE	0.34	0.49	1.15	1.86	3.06	3.34	2.25	1.70	1.17	1.57	0.53	0.38	17.84
EUREKA	0.35	0.45	0.93	1.79	2.63	3.17	2.78	2.30	1.43	1.66	0.72	0.33	18.54
FAITH	0.41	0.59	1.15	1.88	3.05	2.81	2.65	1.32	1.23	1.56	0.59	0.41	17.65
FAULKTON	0.49	0.57	1.49	2.01	3.00	2.85	2.58	2.68	1.73	1.66	0.84	0.41	20.31
FLANDREAU	0.41	0.39	1.34	2.22	3.00	3.84	3.37	3.06	2.55	2.05	1.08	0.40	23.71
FORESTBURG	0.46	0.58	1.60	2.65	3.38	3.29	2.80	2.12	1.94	1.74	1.19	0.43	22.18
FORT MEADE	0.56	0.67	1.50	2.70	3.79	3.71	2.20	1.50	1.31	1.88	1.01	0.60	21.43
GANN VALLEY	0.27	0.41	1.17	2.00	3.03	3.20	2.58	2.21	1.82	1.67	0.70	0.40	19.46
GETTYSBURG	0.41	0.55	1.20	1.93	2.86	3.07	2.64	2.15	1.37	1.57	0.72	0.47	18.94
GLAD VALLEY	0.38	0.53	1.03	2.00	3.13	2.91	2.48	1.43	1.20	1.48	0.56	0.39	17.52
GREGORY	0.52	0.61	1.88	2.89	3.93	3.75	3.37	2.41	2.58	2.29	1.12	0.60	25.95
HIGHMORE	0.40	0.54	1.38	2.59	3.07	3.16	3.25	2.26	1.66	1.79	0.75	0.38	21.23
HOT SPRINGS	0.36	0.45	0.92	1.95	3.03	2.81	2.57	1.77	1.33	1.26	0.53	0.35	17.33
HOWARD	0.54	0.63	1.57	2.45	3.03	3.64	3.13	2.90	2.25	1.90	1.20	0.49	23.73
HURON	0.49	0.57	1.67	2.29	3.00	3.28	2.86	2.07	1.80	1.59	0.89	0.39	20.90
INTERIOR	0.39	0.50	1.11	2.09	3.19	2.94	2.36	1.78	1.24	1.47	0.65	0.32	18.04
KENNEBEC	0.33	0.43	1.24	2.06	3.02	2.98	2.78	2.02	1.43	1.48	0.61	0.33	18.71
LEAD	1.34	1.44	2.62	3.78	4.30	3.79	2.73	2.07	1.66	2.74	1.85	1.53	29.85
LEMMON	0.44	0.51	0.98	1.86	2.68	3.09	2.68	1.90	1.35	1.42	0.75	0.58	18.24
LEOLA	0.53	0.53	1.37	1.95	2.73	3.16	2.71	2.11	1.70	1.45	0.88	0.39	19.51
LONG VALLEY	0.35	0.48	1.43	2.19	3.08	3.07	2.78	1.69	1.40	1.39	0.64	0.37	18.87
LUDLOW	0.43	0.33	0.72	1.91	2.90	3.12	2.23	1.33	1.25	1.48	0.57	0.40	16.67
MARION	0.54	0.56	1.86	2.73	3.41	3.59	2.85	2.94	2.57	1.86	1.42	0.58	24.91
MC INTOSH	0.36	0.45	0.82	1.68	2.58	3.00	2.27	1.69	1.30	1.41	0.51	0.37	16.44
MELLETTTE	0.54	0.56	1.39	2.14	2.82	3.39	2.86	2.94	1.96	1.67	0.84	0.43	21.54
MENNO	0.42	0.51	1.66	2.50	3.51	3.43	3.15	2.44	2.32	1.72	1.23	0.47	23.36
MIDLAND	0.31	0.45	1.27	1.86	2.77	3.17	2.36	1.71	1.26	1.27	0.54	0.28	17.25
MILBANK	0.53	0.43	1.36	2.16	2.47	3.46	3.44	2.64	1.91	2.15	1.10	0.40	22.05
MILESVILLE	0.41	0.56	1.23	1.95	3.43	3.09	2.92	1.97	1.32	1.71	0.60	0.44	19.63
MILLER	0.41	0.55	1.29	2.11	3.14	2.90	2.60	2.01	1.80	1.77	0.74	0.44	19.76
MISSION	0.33	0.46	1.16	2.12	3.58	3.21	2.97	1.90	1.59	1.58	0.70	0.47	20.07
MITCHELL	0.47	0.67	1.66	2.71	3.33	3.52	2.64	2.32	2.27	1.54	1.20	0.53	22.86
MOBRIDGE	0.33	0.41	1.04	1.64	2.63	2.94	2.27	1.87	1.34	1.54	0.55	0.38	16.94
MURDO	0.46	0.55	1.67	2.24	2.98	3.33	2.79	1.63	1.25	1.64	0.76	0.47	19.77
NEWELL	0.38	0.44	0.94	1.69	2.70	2.80	1.91	1.30	0.99	1.40	0.58	0.35	15.48
OAHE DAM	0.27	0.34	0.77	1.47	2.71	2.72	2.28	1.43	1.16	1.10	0.41	0.28	14.94
OELRICHS	0.42	0.49	0.98	1.96	3.12	2.80	2.14	1.67	1.30	1.30	0.65	0.42	17.25
ONIDA	0.59	0.64	1.38	1.93	2.85	3.11	2.69	2.14	1.54	1.58	0.82	0.57	19.84
PHILIP	0.34	0.46	1.15	1.79	3.14	2.85	2.26	1.68	1.16	1.32	0.62	0.33	17.10
PICKSTOWN	0.43	0.55	1.61	2.77	3.70	3.48	2.82	2.47	2.28	1.76	1.02	0.48	23.37
PIERRE	0.52	0.54	1.19	2.02	3.14	3.49	2.75	1.86	1.55	1.64	0.70	0.48	19.88
POLLOCK	0.39	0.45	1.02	1.66	2.58	2.98	2.34	2.10	1.35	1.48	0.63	0.36	17.34
RAPID CITY RGNL	0.37	0.46	1.03	1.86	2.96	2.83	2.03	1.61	1.10	1.37	0.61	0.41	16.64
REDFIELD	0.37	0.51	1.19	1.92	2.97	3.17	3.00	2.41	1.85	1.64	0.60	0.33	19.96
REDIG	0.32	0.40	0.77	1.54	2.93	3.04	2.10	1.44	0.99	1.34	0.50	0.32	15.69
SIOUX FALLS	0.51	0.51	1.81	2.65	3.39	3.49	2.93	3.01	2.58	1.93	1.36	0.52	24.69
SISETON	0.73	0.64	1.53	2.04	2.76	3.30	3.13	2.59	1.95	1.82	1.13	0.46	22.08
SPEARFISH	0.58	0.69	1.40	2.46	3.57	3.82	2.20	1.68	1.47	2.08	0.98	0.73	21.66
STEPHAN	0.41	0.50	1.31	1.98	2.95	2.95	2.62	2.07	1.77	1.75	0.65	0.41	19.37
SUMMIT	0.59	0.52	1.44	2.03	2.83	3.65	3.64	3.23	2.06	1.86	0.93	0.35	23.13
TIMBER LAKE	0.41	0.54	1.20	1.96	2.90	3.17	2.46	1.89	1.26	1.63	0.67	0.51	18.60
TYNDALL	0.46	0.71	1.68	2.54	3.61	3.12	3.53	2.68	2.28	1.64	1.31	0.60	24.16
VERMILLION	0.37	0.49	1.80	2.76	3.74	3.61	3.40	2.82	2.41	1.97	1.47	0.52	25.36
WAGNER	0.58	0.81	1.79	2.78	4.03	3.32	3.13	2.73	2.59	1.96	1.27	0.65	25.64
WASTA	0.35	0.48	1.10	1.95	3.05	2.68	2.17	1.68	1.12	1.53	0.74	0.39	17.24
WATERTOWN	0.57	0.48	1.30	1.96	2.61	4.01	2.91	2.85	2.03	1.92	0.91	0.39	21.94
WEBSTER	0.75	0.57	1.10	1.84	2.63	3.48	3.73	3.06	1.88	1.69	0.85	0.48	22.06
WENTWORTH	0.50	0.69	1.59	2.31	3.22	3.95	3.21	3.11	2.58	1.76	1.32	0.52	24.76
WHITE LAKE	0.28	0.59	1.43	2.49	3.60	3.19	2.88	2.21	2.09	1.59	0.90	0.34	21.59
WINNER	0.53	0.63	1.73	2.63	3.85	3.38	3.30	2.17	2.09	1.91	0.96	0.54	23.72
YANKTON	0.43	0.53	1.77	2.51	3.87	3.91	3.36	2.93	2.17	1.85	1.25	0.51	25.09

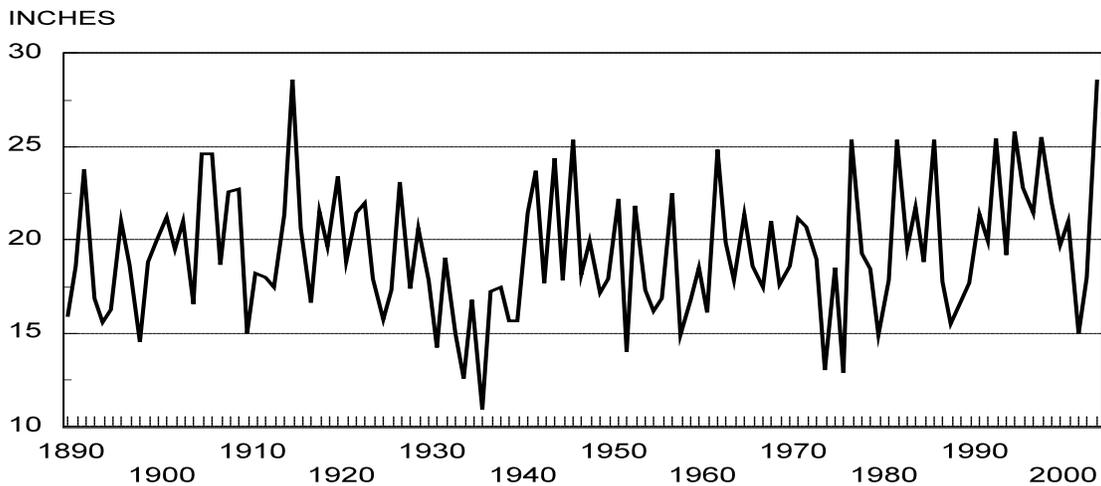
SOURCE: SOUTH DAKOTA STATE CLIMATOLOGIST.

PRECIPITATION, SOUTH DAKOTA, 2003-2004

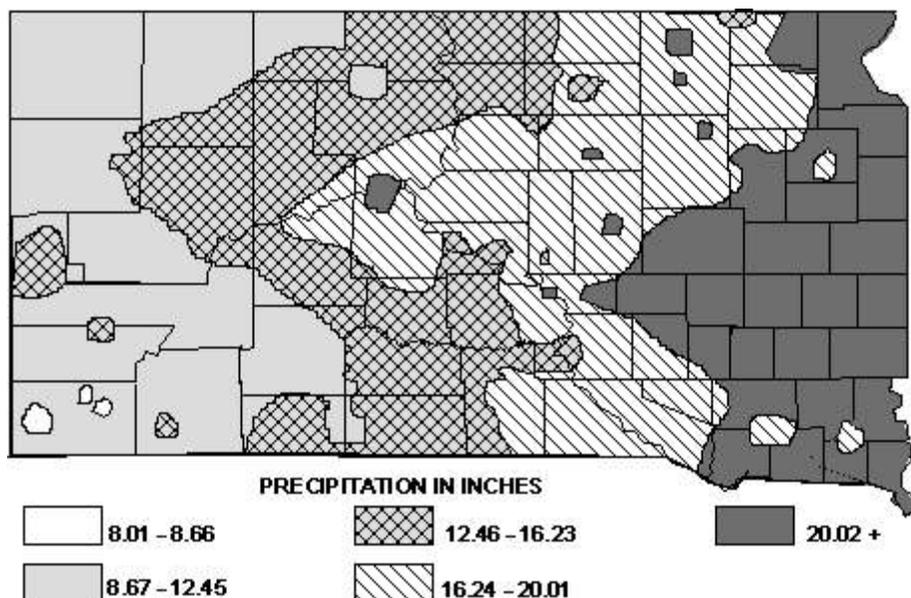
DIST.	STATION	GROWING SEASON				ANNUAL				
		APR 1 - SEPT 30 2003		APR 1 - SEPT 30 2004		2003		2004		
		TOTAL	DEPARTURE FROM NORMAL	TOTAL	DEPARTURE FROM NORMAL	TOTAL	DEPARTURE FROM NORMAL	TOTAL	DEPARTURE FROM NORMAL	
----- INCHES -----										
NW	CAMP CROOK	9.35	-1.76	10.00	-1.11	14.80	+0.43	13.85	-0.52	
	NEWELL	8.94	-2.45	9.43	-1.96	12.75	-2.73	13.16	-2.32	
	LEMMON	12.43	-1.13	9.40	-4.16	15.59	-2.65	11.82	-6.42	
	DUPREE	9.12	-4.26	14.51	+1.13	13.32	-4.52	19.75	+1.91	
NC	MOBRIDGE	10.74	-1.95	11.48	-1.21	12.84	-4.10	14.52	-2.42	
	FAULKTON	13.75	-1.10	20.89	+6.04	18.08	-2.23	25.22	+4.91	
	ABERDEEN	18.11	+2.95	16.91	+1.75	21.28	+1.06	21.77	+1.55	
NE	WAUBAY	17.52	+1.63	19.28	+3.39	19.95	-1.00	24.71	+3.76	
	WATERTOWN	14.08	-2.29	19.65	+3.28	18.14	-3.80	27.12	+5.18	
	MILBANK	13.64	-2.44	21.45	+5.37	16.17	-5.88	26.55	+4.50	
WC	SPEARFISH	14.10	-1.10	10.43	-4.77	20.10	-1.56	14.43	-7.23	
	RAPID CITY	8.13	-4.26	9.87	-2.52	10.97	-5.67	13.16	-3.48	
	COTTONWOOD	7.42	-5.32	9.71	-3.03	11.24	-5.92	13.13	-4.03	
	MILESVILLE	8.59	-6.09	16.36	+1.68	12.89	-6.74	20.99	+1.36	
C	PIERRE	10.61	-4.20	14.10	-0.71	13.60	-6.28	18.70	-1.18	
	HIGHMORE	12.98	-3.01	19.19	+3.20	15.39	-5.84	24.00	+2.77	
	HURON	12.60	-2.70	21.90	+6.60	16.42	-4.48	29.71	+8.81	
EC	MITCHELL	NA	NA	22.46	+5.67	NA	NA	28.10	+5.24	
	BROOKINGS	NA	NA	22.00	+4.26	NA	NA	24.99	+2.18	
	SIoux FALLS	18.07	+0.02	25.48	+7.43	21.81	-2.88	30.92	+6.23	
SW	OELRICHS	12.36	-0.63	7.41	-5.58	18.15	+0.90	10.92	-6.63	
	PORCUPINE	9.10	-4.14	9.87	-3.37	14.99	NA	14.55	NA	
SC	MURDO	11.18	-3.04	12.78	-1.44	15.22	-4.55	17.94	-1.83	
	KENNEBEC	15.21	+0.92	14.67	+0.38	18.87	+0.16	22.01	+3.30	
	WINNER	11.22	-6.20	16.33	-1.09	15.44	-8.28	22.41	-1.31	
SE	PICKSTOWN	13.42	-4.10	16.62	-0.90	NA	NA	21.51	-1.86	
	YANKTON	23.57	+4.82	NA	NA	29.05	+3.96	NA	NA	

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

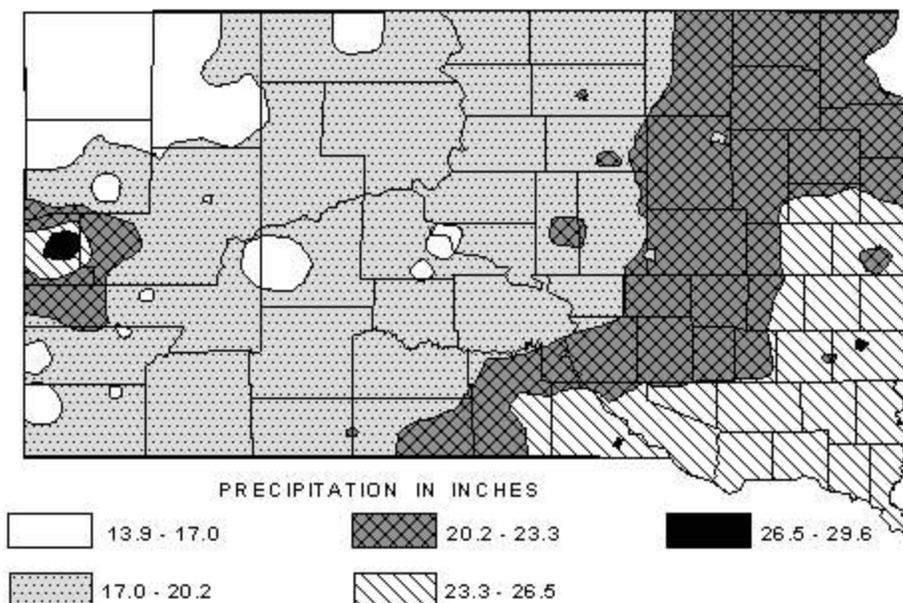
AVERAGE ANNUAL PRECIPITATION, SOUTH DAKOTA, 1890-2004



**GROWING SEASON PRECIPITATION,
SOUTH DAKOTA, APRIL THROUGH SEPTEMBER, 2004**



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



SOURCE: SOUTH DAKOTA STATE CLIMATOLOGIST