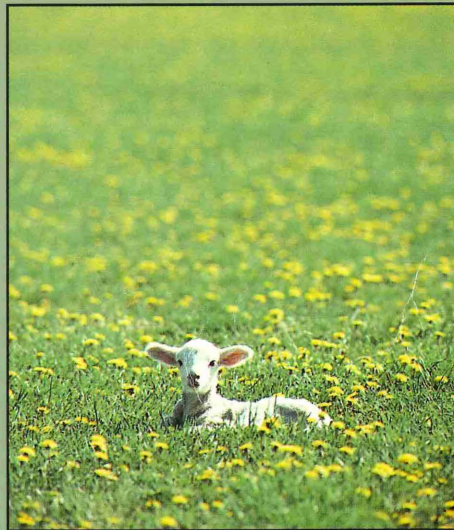


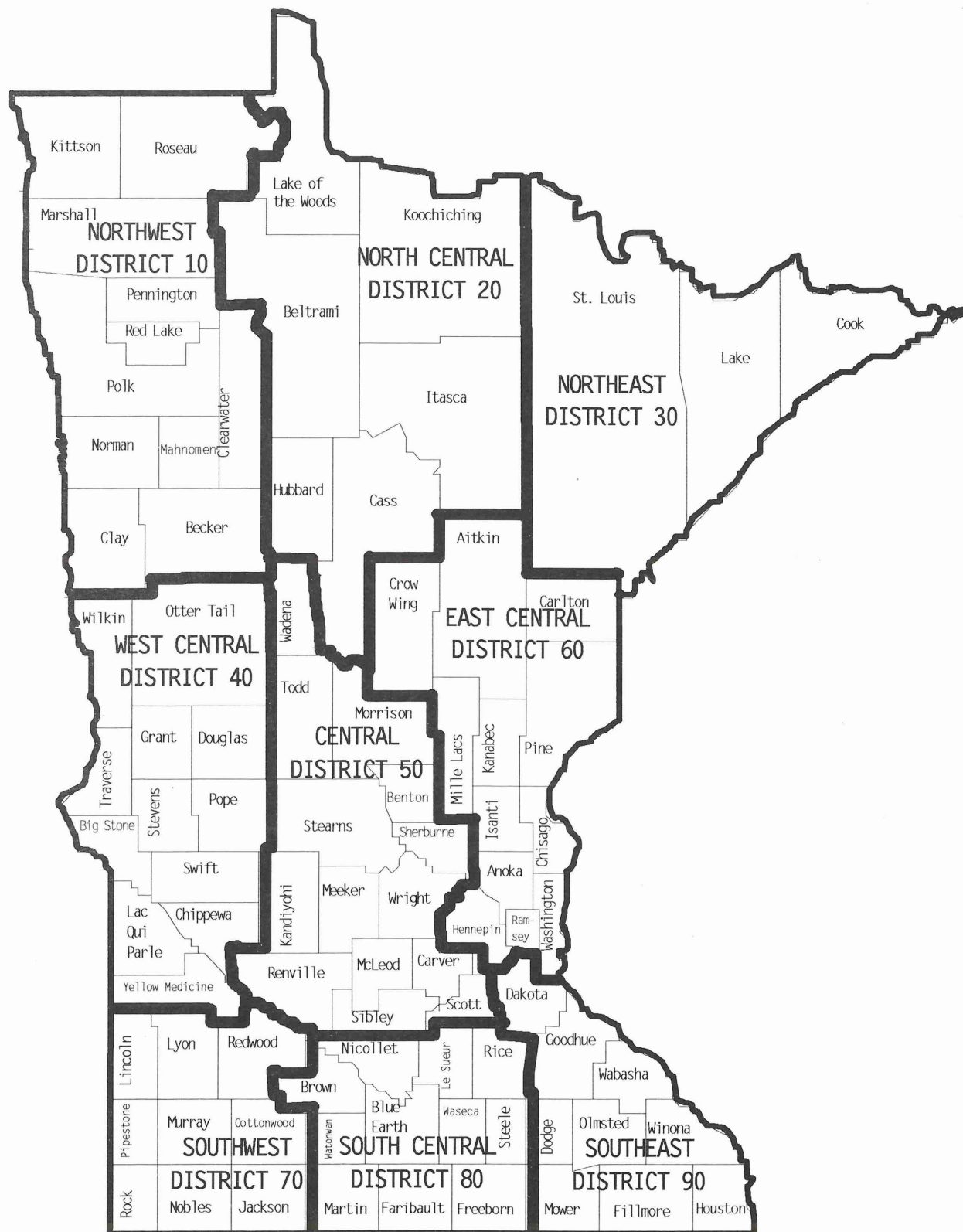
Minnesota Agricultural Statistics



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MINNESOTA'S AGRICULTURAL STATISTICS DISTRICTS



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Minnesota Agricultural Statistics

1997

Michael Hunst, State Statistician
George Howse, Deputy State Statistician

ADMINISTRATION

Sally Carlson
Carolyn Hayes

DATA MANAGEMENT

Lois Kieffer
Jenny Peterson
Larry Vogler

COVER DESIGN

Stacy Gulden

ESTIMATES

Chris Engen
Cecil Foss
Lisa Isaacson
Greg Kimmet
Tessa Lanz
Kerry Siekmann
Phillip Stiens
Eileen Thurman
Bob Waldera
Justin Williamson

SURVEYS & LIST

SAMPLING FRAME

Roger Binning
Stephanie Brown
Barbara Campbell
Todd Karolczak
Mike Krizan
Linda Lieder
Mark Miller

FIELD INTERVIEWERS

Orene Amberg - Bird Island
Delores Amundson - Lowry
Grace Anderson - Newfolden
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Viola Bjornson - Barnesville
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Marie Bottelberghe - Marshall
Elizabeth Buck - Zumbrota
Diane Corey - Herman
Barbara DeVos - Marshall
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Dorothy Eischens - Tracy
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Jessie Gramstrup - Gilbert
Erliss Grass - Owatonna
Ann Hardcopf - Owatonna
Christine Hill - Milaca
Odean Johnson - New Richland
Edna Kawlewski - Richville
Beverly Mackenthun - Glencoe
Judith Martin - Middle River
Lemay Moe - Thief River Falls

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Lillian Russell - Byron
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Lael Schmidt - Grand Forks, ND
Donald Simonsen - Sleepy Eye
Carol Skarsten - Benson
Barbara Smith - Darwin
Sue Sodeman - St. James
Arleda Tisdell - New York Mills
Sylvia Vavra - Cambridge
Janice Vierzba - Clearwater
Evelyn Weiland - Willmar
Karen Wendroth - Richmond
Roger Wenschlag - Gary

TELEPHONE INTERVIEWERS

Elizabeth Andrews
Ellen Mae Erickson
Josephine Gonzalez
Gloria Griffin
Marguerite Harrington
Joan Kaiser
Gwen Kearney
Barbara King
Lorraine Lauren
Lucille Lyons
Erma McGuire
Beverly Olson
Eleanor Stafstrom
Elizabeth Strom

Minnesota Agricultural Statistics Service

P.O. Box 7068

St. Paul, Minnesota 55107

Phone (612) 296-2230

<http://www.nass.usda.gov/mn/>

U.S. Department of Agriculture
National Agricultural Statistics Service
Donald M. Bay, Administrator

Issued Cooperatively by

Minnesota Department of Agriculture
Gene Hugoson, Commissioner

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Foreword

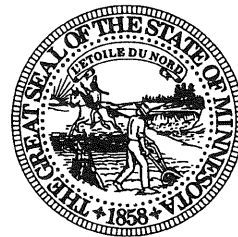
One of the duties and responsibilities of my office (under Minnesota Statutes, Chapter 17) is to collect, compile, and supply statistics and information on Minnesota agriculture. Much of this work is accomplished through a cooperative agreement with the USDA's National Agricultural Statistics Service. This *Minnesota Agricultural Statistics* book is a product of the effort. This year marks the 75th year of this State-Federal cooperative agreement, which promotes economy and efficiency of data collection efforts, minimizes respondent burden, and avoids duplication of effort.

Agriculture is the cornerstone of Minnesota's economy. It is the best alternative we have for economic development in our rural counties. Growing world populations and a growing demand for food will create tremendous opportunities for those involved in the agricultural industry. There is increasing interest in exporting both our commodities and processed food products to nations that want to buy them. Export markets need current and accurate statistics on the supply of crop and livestock products in order to function properly.

I want to say "thank you" to all the farmers and agribusinesses who made this book possible by their voluntary cooperation on surveys conducted by the Minnesota Agricultural Statistics Service.



Gene Hugoson, Commissioner
Minnesota Department of Agriculture



We are pleased to present the 1997 issue of the *Minnesota Agricultural Statistics* book. As the Commissioner said in his message, this book is made possible through a State-Federal cooperative effort which dates back to 1922.

As always, we are open to suggestions for improving the book. Each year we incorporate additional statistics which we hope are useful to our data users, and in addition this year, we are also planning to make the book available on our home page for downloading or browsing. Information on accessing our home page appears in the back of this book.

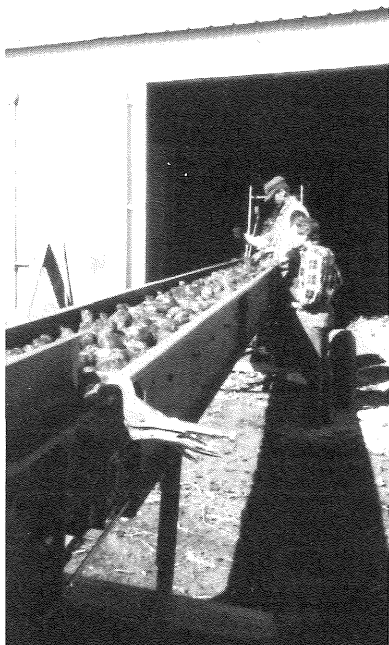
We hope this publication will help tell the story of the importance of agriculture to Minnesota. If your information needs are not met, please let us know. We need your ideas to help us improve this important service.



Michael Hunst
State Statistician

Section 1

*Ag Rankings,
Land Values,
Farm Numbers,
Farm Income,
Weather Summary*



STATE RANKINGS: MINNESOTA'S RANK AMONG STATES

Item	1	2	3	4	5	6	7	8	9	10
Cash Receipts, 1995:										
Total	CA	TX	IA	NE	IL	KS	<u>MN</u>	NC	FL	WI
Livestock & Livestock Products	TX	CA	NE	IA	KS	WI	NC	<u>MN</u>	AR	GA
Crops	CA	IL	IA	TX	FL	WA	<u>MN</u>	NE	NC	IN
Crop Production, 1996:										
Corn	IA	IL	NE	<u>MN</u>	IN	SD	KS	MO	WI	OH
Soybeans	IA	IL	<u>MN</u>	IN	OH	MO	NE	AR	SD	KS
All Wheat	ND	KS	WA	MT	SD	ID	<u>MN</u>	OK	CO	TX
Spring Wheat	ND	MT	<u>MN</u>	SD	ID	WA	OR	CO	UT	WY
Oats	SD	ND	WI	<u>MN</u>	IA	PA	NE	OH	IL	NY
Barley	ND	ID	MT	<u>MN</u>	WA	CA	WY	CO	OR	UT
All Sunflowers	ND	SD	KS	<u>MN</u>	CO	NE	TX			
Dry Edible Beans	ND	MI	NE	CA	CO	ID	<u>MN</u>	WY	WA	KS
All Hay	SD	CA	TX	NE	KS	MO	WI	<u>MN</u>	KY	IA
All Potatoes	ID	WA	CO	OR	WI	ND	<u>MN</u>	ME	CA	MI
Sugarbeets	<u>MN</u>	ID	ND	CA	MI	MT	CO	WY	NE	OR
Flax	ND	SD	<u>MN</u>							
Rye	GA	SD	OK	ND	SC	NC	<u>MN</u>	NE	WI	MI
Sweet Corn for Processing	<u>MN</u>	WI	WA	OR	NY	ID	IL	MI	PA	
Green Peas for Processing	<u>MN</u>	WI	WA	OR	NY					
Cultivated Wild Rice 1/	CA	<u>MN</u>								
Livestock, Dairy, Poultry:										
Red Meat Production, 1996	NE	IA	KS	TX	IL	<u>MN</u>	CO	NC	SD	PA
Cattle/Calves, January 1, 1997 2/	TX	KS	NE	OK	CA	MO	IA	SD	WI	CO
Milk Cows, January 1, 1997	WI	CA	NY	PA	<u>MN</u>	TX	MI	OH	ID	WA
Cattle/Calves Marketed, 1996 3/	TX	KS	NE	OK	CO	CA	IA	MO	SD	KY
Cattle/Calves on Feed, Jan 1, 1997 4/	TX	KS	NE	CO	IA	OK	CA	SD	<u>MN</u>	ID
Hogs, December 1, 1996	IA	NC	<u>MN</u>	IL	IN	NE	MO	OH	KS	OK
Pig Crop, 1996	IA	NC	<u>MN</u>	IL	IN	MO	NE	OK	OH	KS
Hogs Marketed, 1996	IA	NC	<u>MN</u>	IL	MO	IN	NE	OH	OK	KS
Breeding Sheep & Lambs, Jan 1, 1997 5/	TX	WY	CA	MT	SD	UT	CO	ID	NM	OR
Lamb Crop, 1996 6/	TX	WY	MT	SD	CA	UT	ID	CO	IA	OR
All Chickens, December 1, 1996 7/	OH	CA	GA	PA	IN	IA	AR	TX	NC	AL
Eggs Produced, Dec 1995-Nov 1996	CA	OH	IN	PA	IA	GA	TX	AR	<u>MN</u>	NC
Turkeys Raised, 1996	NC	<u>MN</u>	AR	VA	CA	MO	IN	PA	SC	IA
Milk Production, 1996	CA	WI	NY	PA	<u>MN</u>	TX	MI	WA	ID	OH
Dairy Products Manufactured, 1996:										
Total Cheese	WI	CA	<u>MN</u>	NY	ID	PA	IA	MO	SD	VT
American Cheese	WI	<u>MN</u>	CA	ID	IA	NY	WA	SD	UT	OH
Italian Cheese	WI	CA	NY	PA	MI	<u>MN</u>	VT	SD	ID	
Butter	CA	WI	WA	PA	<u>MN</u>	NY	MI	OR	ND	
Ice Cream	CA	TX	IN	OH	<u>MN</u>	IL	NY	MI	NC	WA
Mink Pelts Produced, 1995	WI	UT	<u>MN</u>	OR	ID	WA	IA	SD	OH	PA
Honey Produced, 1996	CA	FL	SD	ND	<u>MN</u>	MI	MT	TX	NY	WI
Agricultural Exports, Fiscal 1996:	CA	IA	IL	TX	NE	KS	<u>MN</u>	IN	WA	ND

1/ SOURCE: MINNESOTA CULTIVATED WILD RICE COUNCIL

2/ Minnesota ranks 11th., Kansas and Nebraska tied for 2nd place.

3/ Minnesota ranks 14th.

4/ Kansas and Nebraska tied for 2nd place.

5/ Minnesota ranks 12th.

6/ Minnesota ranks 11th. Montana and South Dakota tied for 3rd place.

7/ Minnesota ranks 11th.

COUNTY RANKINGS: MINNESOTA'S LEADING AGRICULTURAL COUNTIES

Item	1	2	3	4	5	6	7	8	9	10
1994 Cash Farm Receipts: 1/										
Total	Stearns	Polk	Renville	Otter Tail	Kandiyohi	Redwood	Martin	Clay	Nobles	Cottonwood
Crops	Polk	Renville	Clay	Redwood	Chippewa	Martin	Marshall	Freeborn	Faribault	Wilkin
Livestock	Stearns	Otter Tail	Kandiyohi	Morrison	Todd	Nobles	Goodhue	Fillmore	Redwood	Winona
Government Payments	Marshall	Polk	Nobles	Jackson	Cottonwood	Kittson	Murray	Martin	Renville	Freeborn
1996 Crop Production:										
Corn for Grain	Renville	Martin	Redwood	Faribault	Jackson	Blue Earth	Nobles	Freeborn	Mower	Lyon
Soybeans	Redwood	Renville	Martin	Nobles	Jackson	Blue Earth	Cottonwood	Yellow Med	Faribault	Lyon
All Wheat	Polk	Marshall	Clay	Kittson	Norman	Wilkin	Roseau	Grant	Traverse	Pennington
Oats	Stearns	Otter Tail	Roseau	Fillmore	Todd	Wabasha	Pennington	Douglas	Winona	Red Lake
Barley	Polk	Marshall	Norman	Roseau	Clay	Pennington	Kittson	Mahnomen	Red Lake	Wilkin
Sunflowers	Polk	Marshall	Kittson	Roseau	Pennington	Red Lake	Norman	Clay	Wilkin	Otter Tail
Sugarbeets	Polk	Clay	Norman	Renville	Wilkin	Chippewa	Marshall	Kittson	Kandiyohi	Grant
Rye	Morrison	Stearns	Sherburne	Isanti	Marshall	Anoka	Todd	Benton	Hubbard	
Flax	Roseau									
Dry Edible Bean 2/	Polk	Otter Tail	Marshall	Hubbard	Renville	Wadena	Kandiyohi	Norman	Clay	Becker
All Hay 3/	Stearns	Otter Tail	Todd	Winona	Fillmore	Goodhue	Morrison	Houston	Roseau	Wabasha
Potatoes 4/	Sherburne	Polk	Morrison	Marshall	Clay	Kittson	Freeborn	Todd	Red Lake	Lk of Wood
Green Peas 5/	Renville	Brown	Mower	Sibley	Olmsted	Faribault	Goodhue	Steele	Redwood	Dakota
Sweet Corn	Renville	Brown	Faribault	Sibley	Freeborn	Waseca	Mower	Olmstead	Dodge	Goodhue
Livestock, Dairy & Poultry:										
Cattle & Calves, Jan 1, 1997	Stearns	Otter Tail	Fillmore	Morrison	Todd	Winona	Goodhue	Wabasha	Houston	Olmsted
Beef Cows, Jan 1, 1997	Fillmore	Otter Tail	Cass	Houston	Olmsted	Beltrami	Morrison	Roseau	Clearwater	Polk
Milk Cows, Jan 1, 1997	Stearns	Otter Tail	Morrison	Winona	Todd	Goodhue	Wabasha	Fillmore	Wright	Carver
Milk Prod., 1996	Stearns	Otter Tail	Morrison	Todd	Winona	Goodhue	Wabasha	Fillmore	Wright	Carver
Breeding Sheep & Lambs, Jan 1, 1997 6/	Otter Tail	Pipestone	Murray	Lincoln	Nobles	Lyon	Jackson	Goodhue	Fillmore	Todd
Hogs, Dec 1, 1996	Martin	Blue Earth	Nobles	Redwood	Nicollet	Jackson	Brown	Renville	Freeborn	Faribault
Pig Crop, 1996 7/	Martin	Nobles	Blue Earth	Freeborn	Renville	Jackson	Redwood	Nicollet	Fillmore	Faribault
Cattle & Calves on Feed, Jan 1, 1997 8/	Nobles	Cottonwood	Murray	Rock	Redwood	Stevens	Lyon	Stearns	Renville	Blue Earth

1/ 1995 numbers were not available at time of publication.

2/ Renville and Wadena tied for 5th; Kandiyohi and Norman tied for 7th.

3/ Houston and Roseau tied for 8th.

4/ Includes published counties only.

5/ Mower and Sibley tied for 3rd; Faribault and Goodhue tied for 6th.

6/ Fillmore and Todd tied for 9th.

7/ Freeborn and Renville tied for 4th; Faribault and Stearns tied for 10th.

8/ Murray and Rock tied for 3rd.

FARM NUMBERS

The number of farms in Minnesota remained the same at 87,000 during the period of June 1, 1995 to June 1, 1996.

The increase in farm numbers from 1994 to 1995 is mainly due to a change in the farm definition which includes places with 5 or more horses, except horses in boarding stables and racetracks.

The number of farms in the United States in 1996 was estimated at 2,063,010, down 0.4% from 1995.

Total land in U.S. farms for 1996 was 968 million acres, down from the 972 million in 1995. Land in farms has declined every year since reaching its peak at 1,206 million acres in 1954.

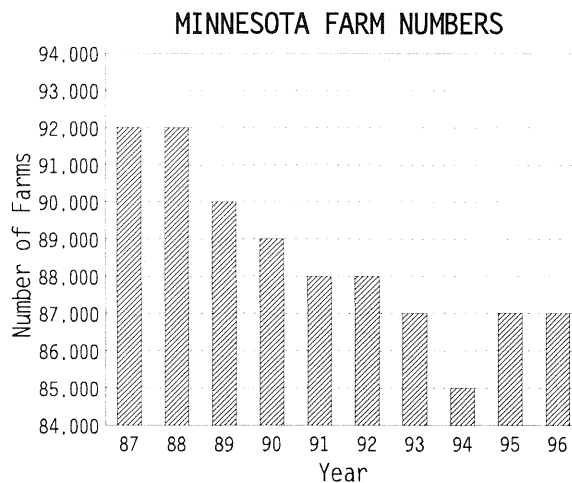
NUMBER OF FARMS, AVERAGE SIZE, AND LAND IN FARMS: MINNESOTA, 1985-96 1/

Year	Number of Farms	Land in Farms	Avg. Size of Farms
	Number	1,000 Acres	Acres
1985	96,000	30,400	317
1986	93,000	30,000	323
1987	92,000	30,000	326
1988	92,000	30,000	326
1989	90,000	30,000	333
1990	89,000	30,000	337
1991	88,000	30,000	341
1992	88,000	29,800	339
1993	87,000	29,700	341
1994	85,000	29,700	349
1995	87,000	29,800	343
1996	87,000	29,800	343

1/ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

NUMBER OF FARMS AND LAND IN FARMS: BY SALES CLASS, MINNESOTA, 1991-96

Year	Sales Class					
	\$1,000-9,999	\$10,000-99,999	\$100,000 & over	\$1,000-9,999	\$10,000-99,999	\$100,000 & over
	Number of Farms			Land in Farms (1,000 Acres)		
1991	32,000	36,000	20,000	3,200	11,100	15,700
1992	31,000	33,500	23,500	2,800	9,700	17,300
1993	31,000	34,000	22,000	3,200	9,700	16,800
1994	30,000	34,000	21,000	3,400	9,700	16,600
1995	35,000	34,000	18,000	3,600	9,600	16,600
1996	31,000	33,000	23,000	3,400	9,300	17,100



UNITED STATES AVERAGE ANNUAL PER CAPITA CONSUMPTION FOR SELECTED ITEMS, SELECTED YEARS

Item	1970-74	1975-79	1980-84	1985-89	1990-94	1992	1993	1994
	Pounds							
Red Meats 1/ 2/ 3/	130.2	128.6	123.8	120.0	113.0	114.1	112.1	114.8
Beef	79.1	82.8	73.1	70.5	63.0	62.8	61.5	63.6
Veal	1.7	2.3	1.4	1.3	0.8	0.8	0.8	0.8
Pork	47.6	42.4	48.3	47.1	48.3	49.5	48.9	49.5
Lamb and Mutton	1.9	1.1	1.1	1.0	1.0	1.0	1.0	0.9
Poultry 1/ 3/	34.1	36.3	42.3	50.0	60.4	60.9	62.6	63.7
Chicken	27.4	29.4	33.9	38.7	46.3	46.7	48.5	49.5
Turkey	6.7	6.9	8.4	11.3	14.1	14.2	14.1	14.2
Fish & Shellfish 1/ 4/	12.1	12.8	13.0	15.4	14.9	14.7	14.9	15.1
Eggs 3/	38.3	34.9	33.9	32.1	30.3	30.3	30.3	30.6
All Dairy Products, Including Butter 5/	554.2	542.3	558.6	586.5	572.0	565.8	574.1	586.2
Fluid Milk 6/	270.7	256.7	239.3	238.2	230.0	230.9	226.8	225.7
Whole	198.6	161.6	131.7	107.6	81.5	81.4	77.8	75.8
2 Percent Fat	34.2	46.8	59.0	73.6	77.5	78.5	76.7	74.9
1 Percent Fat	4.2	13.8	15.1	15.8	20.6	21.0	20.5	20.7
Skim	12.8	11.6	11.1	15.3	25.4	25.0	26.7	28.8
Yogurt	1.2	2.3	2.9	4.4	4.4	4.3	4.4	4.7
Cheese 1/ 7/	12.9	16.0	19.5	23.5	25.7	26.0	26.3	26.8
American 8/	7.7	9.1	10.9	11.8	11.3	11.3	11.4	11.6
Italian	2.5	3.8	5.0	7.5	9.7	10.0	9.8	10.3
Other 9/	2.6	3.1	3.6	4.1	4.8	4.7	5.0	5.0
Frozen Dairy Products 6/ 10/	28.1	27.5	26.7	28.1	29.2	28.9	29.3	30.0
Ice Cream	17.6	17.8	17.7	17.7	16.1	16.3	16.1	16.1
Fats and Oils (Product Weight) 6/	55.9	57.5	61.4	66.1	68.5	68.8	71.5	69.8
Butter	5.0	4.4	4.6	4.6	4.5	4.4	4.7	4.8
Margarine	11.0	11.4	10.8	10.6	10.7	11.0	11.1	9.9
Fresh Fruit 1/	93.3	96.9	102.9	113.2	115.4	117.8	119.3	120.8
Citrus	27.0	25.7	23.9	22.9	22.4	23.5	25.1	24.1
Noncitrus	66.4	71.1	79.0	90.3	93.0	94.3	94.1	96.7
Vegetables, Fresh 11/	80.2	83.2	86.5	99.0	105.0	107.0	106.8	104.7
Vegetables, Processing (Farm Weight) 1/ 12/	115.7	114.3	113.6	116.8	130.5	129.7	133.4	127.1
Mushrooms	1.2	1.9	2.5	2.9	3.0	3.0	3.1	3.0
Fresh Potatoes	53.3	47.5	46.5	46.6	46.3	46.9	47.9	48.2
Frozen Potatoes	14.9	20.2	19.8	23.0	26.5	25.5	27.2	28.9
Dry Edible Beans (Farm Weight)	6.5	6.2	5.8	6.3	7.3	7.8	7.4	7.5
Flour and Cereal Products 6/	135.1	141.2	147.0	167.9	191.5	190.7	195.8	198.7
Wheat Flour	111.0	116.1	117.3	128.3	139.8	138.8	143.3	144.5
Corn Products 13/	10.2	11.8	14.1	19.8	23.1	23.2	23.5	23.7
Oat Products 14/	4.7	4.1	3.8	5.3	9.0	9.0	9.2	9.2
Barley Products 15/	0.9	1.0	1.0	1.0	1.5	1.6	1.7	1.7
Refined Sugar	100.5	91.5	74.7	62.0	64.4	64.6	64.3	65.0

1/ Total may not add due to rounding.

2/ Excludes game meat and edible offals.

3/ Excludes shipments to U.S. territories.

4/ Excludes game fish.

5/ Milk equivalent, milkfat basis.

6/ Will not add to total due to some categories not being listed.

7/ Natural equivalent of cheese and cheese products. Excludes full-skim American, cottage, pot., and baker's cheese.

8/ Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

9/ Swiss, brick Muenster, blue, and other miscellaneous cheeses.

10/ Includes mellorine and nonstandardized frozen dairy products.

11/ Artichokes, asparagus, snap beans, broccoli, Brussels sprouts, cabbage, carrots, cauliflower, celery, sweet corn, cucumbers, eggplant, escarole/endive, garlic, head lettuce, romaine and lettuce leaf, onions, bell peppers, radishes, spinach, and tomatoes.

12/ Includes dehydrated onions.

13/ Corn flour, meal, hominy, grits, and cornstarch; excludes corn sweeteners.

14/ Oatmeal, oat cereal, oat flour, and oat bran.

15/ Barley flour, pear barley, and malt and malt extract.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

EXPORTS

Minnesota ranked 7th in farm exports for fiscal year 1996. The value of the state's exports came to \$3.04 billion versus \$2.44 billion in 1995. This is an increase of \$600.0 million.

The table below shows the value of farm exports by commodity group. These figures are not actual exports but are derived from Minnesota's contribution to U.S. production and/or sales. They reflect Minnesota's important stake in the national export market.

AGRICULTURAL EXPORTS: MINNESOTA, 1996

Commodity	Value
	Million Dollars
Feed Grains & Products	1,076.2
Soybeans & Products	854.1
Wheat & Products	315.0
Live Animals & Meat (Excludes Poultry)	221.3
Vegetables & Preparations	140.2
Feeds & Fodders	109.4
Dairy Products	61.6
Hides & Skins	62.9
Poultry & Products	54.4
Sunflower Seed & Oil	32.4
Fats, Oils, Greases	26.0
Seeds	36.6
Other 1/	53.5
TOTAL	3,043.4

1/ Includes confectionary, nursery and greenhouse, essential oils, beverages (excluding juice), and other miscellaneous animal and vegetable products.

Note: Totals may not add due to rounding.

AGRICULTURAL EXPORTS: STATE RANKINGS, 1996

Rank	State	Value
		Million Dollars
First	CA	7,266.0
Second	IA	4,651.2
Third	IL	3,984.5
Fourth	TX	3,565.9
Fifth	NE	3,521.1
Sixth	KS	3,115.3
Seventh	MN	3,043.4
Eighth	IN	2,057.1
Ninth	WA	2,023.0
Tenth	ND	1,725.9

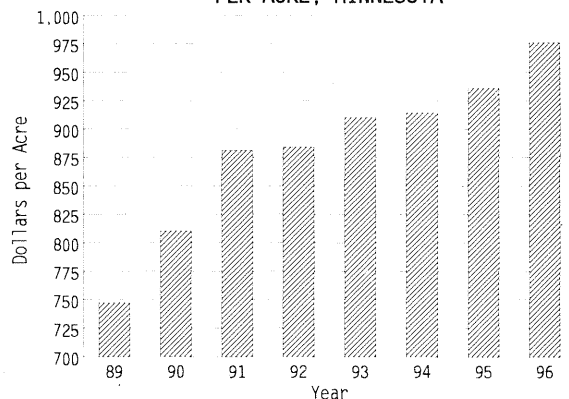
AVERAGE PER ACRE VALUE OF FARMLAND AND BUILDINGS, MINNESOTA AND SELECTED STATES, 1993-1996 1/

State	1993	1994	1995	1996	Change 1995-96
	Dollars Per Acre				Percent
MN	910	914	936	976	4.2
IA	1,212	1,281	1,349	1,442	6.9
ND	335	353	373	383	2.5
SD	273	286	302	319	5.5
WI	925	968	1,065	1,175	10.3
48 States	736	782	832	890	7.0

1/ Value of farmland and buildings in nominal dollars (not adjusted for inflation.)

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

VALUE OF LAND & BUILDINGS PER ACRE, MINNESOTA



LAND VALUES

The basis of this price series is the recorded sales price for land previously classified as "agricultural" and for which the buyer has not indicated an intention of changing the use.

Transactions were compiled from October 1, 1995 to September 30, 1996. The reported prices include values for buildings and other improvements. These sales were reported to the Minnesota Department of Revenue by local assessors and auditors.

Statewide, there were 1,584 sales reported during the recording period with an average value of \$954 per acre, up \$164 per acre from the average of the transactions reported the previous year. The average price per acre in the northeast district increased \$103 per acre from 1995, or a 39.6 percent increase in value. The southeast district increased \$180 per acre for an increase of 15.6 percent.

FARMLAND PRICES: CHANGE IN AVG. RECORDED PRICES, MINNESOTA, 1995-96

District	1995 Area Avg.	1996 Area Avg.	1995-96 Change
	Dollars		Percent
East Central	520	593	+14.0
Northeast	260	363	+39.6
Northwest	490	517	+5.5
Southeast	1,152	1,332	+15.6
Southwest	1,197	1,296	+8.3
West Central	817	886	+8.4
Statewide	790	954	+20.8

SALES PRICE DISTRIBUTION BY REPORTING DISTRICT, MINNESOTA, 1995-96

District	# of Sales	1996 Per-Acre Sales Price Percentiles				
		5	25	50	75	95
	Number	Dollars				
East Central	355	199	350	492	775	1,813
Northeast	90	125	217	308	485	1,149
Northwest	162	150	266	373	777	1,335
Southeast	333	595	901	1,263	1,645	3,750
Southwest	448	606	1,050	1,373	1,628	2,000
West Central	196	360	600	813	1,045	1,607
Statewide	1,584	225	500	911	1,400	2,051

CROPLAND RENTAL RATES PAID BY FARM BUSINESS RECORD FARMS (COUNTIES WITH TWENTY OR MORE PARTICIPANTS), MINNESOTA, 1995

County	Number of Farms	1995 Per Acre Rental Rate in Dollars				
		20th Percentile	Median	80th Percentile	Farm Mean	Area Mean
	Number			Dollars		
Becker	28	13	24	44	28	38
Big Stone	22	46	52	61	55	55
Clay	77	50	61	76	62	66
Cottonwood	73	73	85	94	82	85
Douglas	21	31	40	54	42	46
Fillmore	25	52	75	87	70	77
Freeborn	24	70	82	93	82	85
Grant	22	54	58	66	60	65
Jackson	47	70	90	99	86	89
Lyon	30	60	72	80	71	72
Mahnomen	26	23	35	45	34	38
Marshall	23	24	32	51	36	39
Martin	107	85	101	109	96	99
Mille Lacs	21	12	20	26	21	21
Morrison	45	20	26	38	31	30
Murray	50	63	73	83	73	72
Nobles	74	70	81	91	80	85
Otter Tail	23	20	34	50	33	44
Pipestone	23	57	64	74	61	62
Polk	40	29	43	64	45	46
Redwood	33	74	78	91	79	80
Renville	22	70	84	96	84	87
Sibley	23	79	89	95	88	91
Stearns	59	26	38	52	40	44
Stevens	39	51	60	68	60	61
Swift	28	48	55	71	58	60
Todd	21	18	20	28	24	29
Watonwan	21	73	91	98	85	84
Wright	38	47	57	66	57	59

SOURCE: "MINNESOTA AGRICULTURAL ECONOMIST", STEVEN V. TAFF, DEPARTMENT OF APPLIED ECONOMICS, UNIVERSITY OF MINNESOTA, 1997

CORN: PRODUCTION CASH COSTS AND RETURNS, NORTH CENTRAL REGION, 1988-95 1/

Item	1988	1989	1990	1991	1992	1993	1994	1995
	Dollars per Planted Acre							
Gross value of production: (excluding direct Government payments) Corn - gross value of production	197.61	260.44	265.05	247.82	272.90	219.38	293.83	318.44
Cash expenses:								
Seed	19.21	21.22	20.70	21.42	21.96	22.38	22.19	23.80
Fertilizer, lime, and gypsum	50.77	51.76	46.60	45.26	43.55	43.47	46.28	54.82
Chemicals	22.59	23.66	24.88	22.94	23.91	24.63	25.52	26.59
Custom operations 2/	4.47	5.76	6.05	8.80	9.18	8.27	9.55	8.97
Fuel, lube, and electricity	13.00	17.46	21.39	12.58	12.65	11.05	12.48	11.26
Repairs	6.27	7.16	7.61	12.15	13.87	12.74	15.31	14.91
Hired labor	6.90	7.21	7.64	5.99	6.29	6.05	6.07	6.47
Other variable cash expenses 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total, variable cash expenses	123.21	134.23	134.87	129.14	131.41	128.59	137.40	146.82
General farm overhead	11.94	11.56	13.37	9.65	9.84	8.32	12.48	11.55
Taxes and insurance	16.60	16.84	16.86	18.21	18.47	18.22	20.41	19.63
Interest	17.14	17.44	19.20	15.49	13.65	10.90	14.60	15.26
Total, fixed cash expenses	45.68	45.84	49.43	43.35	41.96	37.44	47.49	46.44
Total, cash expenses	168.89	180.07	184.30	172.49	173.37	166.03	184.89	193.26
Gross value of production less cash expenses	28.68	80.37	80.75	75.33	99.53	53.35	108.94	125.18
Harvest-period price (dollars/bu.)	2.56	2.18	2.16	2.29	2.01	2.26	2.02	2.74
Yield (bu./planted acre)	77.19	119.47	122.71	108.22	135.77	97.07	145.46	116.22

1/ The North Central Region includes Minnesota, Iowa, Missouri, Wisconsin, Illinois, Michigan, Indiana, and Ohio.

2/ Cost of custom operations, technical services, and commercial drying.

3/ Cost of purchased irrigation water.

Note: Survey base changed in 1991.

SOYBEANS: PRODUCTION CASH COSTS AND RETURNS, NORTH CENTRAL REGION, 1988-95 1/

Item	1988	1989	1990	1991	1992	1993	1994	1995
	Dollars per Planted Acre							
Gross value of production: Soybeans - gross value of production	207.05	199.55	220.65	199.10	206.19	203.47	234.75	236.69
Cash expenses:								
Seed	12.60	16.64	13.52	13.89	13.30	13.40	14.65	14.37
Fertilizer, lime, and gypsum	5.11	9.02	8.39	8.64	8.43	7.96	8.52	9.19
Chemicals	12.78	20.52	21.51	23.57	24.59	25.18	25.63	25.99
Custom operations 2/	4.15	3.93	3.97	4.04	4.03	3.88	4.12	4.04
Fuel, lube, and electricity	9.03	7.15	7.82	8.20	7.27	7.26	6.86	6.68
Repairs	7.00	8.00	8.00	8.19	8.73	8.88	9.72	10.01
Hired labor	2.80	3.82	4.06	4.48	4.67	4.46	4.51	4.63
Other variable cash expenses 3/	0.00	0.02	0.03	0.02	0.02	0.02	0.02	0.03
Total, variable cash expenses	53.47	69.10	67.30	71.03	71.04	71.04	74.03	74.94
General farm overhead	13.20	9.92	9.22	10.23	9.72	10.81	12.17	12.69
Taxes and insurance	16.59	19.08	19.02	20.32	20.26	20.51	21.78	21.43
Interest	21.77	14.24	15.60	17.84	14.65	14.29	15.06	17.01
Total, fixed cash expenses	51.56	43.24	43.84	48.39	44.63	45.61	49.01	51.13
Total, cash expenses	105.03	112.34	111.14	119.42	115.67	116.65	123.04	126.07
Gross value of production less cash expenses	102.09	87.21	109.51	79.68	90.52	86.82	111.71	110.62
Harvest-period price (dollars/bu.)	7.54	5.52	5.87	5.50	5.24	6.09	5.34	6.25
Yield (bu./planted acre)	27.46	36.15	37.59	36.20	39.35	33.41	43.96	37.87

1/ The North Central Region includes Minnesota, Iowa, Missouri, Wisconsin, Illinois, Michigan, Indiana, and Ohio.

2/ Cost of custom operations and technical services.

3/ Cost of purchased irrigation water.

Note: Survey base changed in 1989.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

WHEAT: PRODUCTION CASH COSTS AND RETURNS, NORTHERN PLAINS REGION, 1988-95 1/

Item	1988	1989	1990	1991	1992	1993	1994	1995
<u>Dollars per Planted Acre</u>								
Gross value of production: (excluding direct Government payments)								
Wheat	47.99	93.95	83.46	74.67	117.81	102.82	92.18	120.59
Wheat straw	2.77	0.83	0.84	0.53	0.61	0.64	0.60	0.51
Total, gross value of production	50.76	94.78	84.30	75.20	118.42	103.46	92.78	121.10
Cash expenses:								
Seed	6.19	7.47	7.24	4.91	6.40	6.45	7.83	7.44
Fertilizer, lime, and gypsum	10.87	10.84	9.16	9.95	9.74	9.38	12.25	15.34
Chemicals	4.35	6.40	6.88	7.31	7.76	8.08	7.61	7.98
Custom operations 2/	2.25	2.54	2.78	2.63	2.68	2.68	2.54	2.59
Fuel, lube, and electricity	4.57	7.00	8.15	7.90	7.66	7.81	5.82	5.99
Repairs	5.27	6.35	6.83	6.91	7.08	7.41	12.07	12.51
Hired labor	1.77	3.58	3.51	3.77	3.96	3.85	2.16	2.30
Other variable cash expenses 3/	0.00	0.01	0.01	0.01	0.01	0.01	0.03	0.03
Total, variable cash expenses	35.27	44.19	44.56	43.39	45.29	45.67	50.31	54.18
General farm overhead	3.83	4.97	6.57	5.10	4.93	6.01	4.18	5.45
Taxes and insurance	6.78	8.65	9.98	8.15	7.73	10.22	7.83	8.83
Interest	5.82	9.97	10.91	10.42	8.84	8.98	7.61	10.68
Total, fixed cash expenses	16.43	23.59	27.46	23.67	21.50	25.21	19.62	24.96
Total, cash expenses	51.70	67.78	72.02	67.06	66.79	70.88	69.93	79.14
Gross value of production less cash expenses	-0.94	27.00	12.28	8.14	51.63	32.58	22.85	41.96
Harvest-period price (dollars/bu.)	3.82	3.67	2.55	2.47	3.30	3.39	3.31	4.31
Yield (bu./planted acre)	12.56	25.60	32.73	30.23	35.70	30.33	27.85	27.98

1/ The Northern Plains Region includes Minnesota, North Dakota, South Dakota, Montana, and Wyoming.

2/ Cost of custom operations and technical services.

3/ Cost of purchased irrigation water and baling.

Note: Survey base changed in 1989.

BARLEY: PRODUCTION CASH COSTS AND RETURNS, NORTHERN PLAINS REGION, 1988-95 1/

Item	1988	1989	1990	1991	1992	1993	1994	1995
<u>Dollars per Planted Acre</u>								
Gross value of production: (excluding direct Government payments)								
Barley	51.24	96.28	90.20	88.87	111.15	77.38	89.47	109.22
Barley straw 2/	2.35	2.00	1.55	1.20	2.00	2.18	1.94	1.87
Total, gross value of production	53.59	98.28	91.75	90.07	113.15	79.56	91.41	111.09
Cash expenses:								
Seed	5.15	7.47	6.37	5.24	5.43	5.16	5.22	5.72
Fertilizer, lime, and gypsum	14.29	14.62	12.69	13.73	12.61	12.27	13.47	16.77
Chemicals	5.56	5.70	6.04	6.56	6.22	6.75	7.29	7.69
Custom operations 3/	1.26	1.95	2.18	2.28	2.96	2.81	3.09	3.46
Fuel, lube, and electricity	4.43	5.25	5.97	6.39	7.92	7.75	7.22	7.42
Repairs	5.31	6.83	6.76	7.07	11.53	11.50	12.69	13.04
Hired labor	4.35	4.77	5.02	5.34	3.94	3.67	3.55	3.80
Other variable cash expenses 4/	1.09	1.11	1.13	1.14	0.88	0.77	0.81	0.86
Total, variable cash expenses	41.44	47.70	46.16	47.75	51.49	50.68	53.34	58.76
General farm overhead	5.51	5.26	6.10	5.57	5.05	5.04	6.11	7.27
Taxes and insurance	5.96	7.13	6.71	6.85	9.45	9.37	10.90	11.87
Interest	8.64	8.82	9.74	9.34	10.06	8.66	9.96	13.01
Total, fixed cash expenses	20.11	21.21	22.55	21.76	24.56	23.07	26.97	32.15
Total, cash expenses	61.55	68.91	68.71	69.51	76.05	73.75	80.31	90.91
Gross value of production less cash expenses	-7.96	29.37	23.04	20.56	37.10	5.81	11.10	20.18
Harvest-period price (dollars/bu.)	3.04	2.54	1.93	1.89	1.97	1.79	1.93	2.47
Yield (bu./planted acre)	16.87	37.88	46.66	46.91	56.42	43.23	46.36	44.22

1/ The Northern Plains Region includes Minnesota, North Dakota, South Dakota, Montana, and Wyoming.

2/ Value of barley straw and grazing after 1991.

3/ Cost of custom operations and technical services.

4/ Cost of purchased irrigation water and baling.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

OATS: PRODUCTION CASH COSTS AND RETURNS, NORTH CENTRAL REGION, 1988-95 1/

Item	1988	1989	1990	1991	1992	1993	1994	1995
Dollars per Planted Acre								
Gross value of production: (excluding direct Government payments)								
Oats	106.26	101.11	73.04	59.09	84.53	66.72	68.92	71.40
Oats straw	22.89	20.52	17.46	21.72	25.28	28.30	44.21	37.98
Total, gross value of production	129.15	121.63	90.50	80.81	109.81	95.02	113.13	109.38
Cash expenses:								
Seed	9.14	10.72	9.30	8.28	9.61	9.48	9.29	8.91
Fertilizer, lime, and gypsum	16.77	15.43	14.17	13.82	13.57	12.46	16.71	20.61
Chemicals	0.91	0.94	0.97	0.84	0.88	0.86	1.15	1.19
Custom operations 2/	5.60	6.17	9.21	7.41	7.43	5.96	6.08	5.69
Fuel, lube, and electricity	6.25	7.29	8.02	8.62	7.22	6.69	6.64	4.08
Repairs	5.29	6.30	6.22	6.44	6.50	6.01	9.61	8.03
Hired labor	5.00	5.02	5.83	6.09	6.41	6.07	1.64	1.58
Other variable cash expenses 3/	0.00	0.00	0.00	0.00	0.00	0.00	1.63	1.40
Total, variable cash expenses	48.96	51.87	53.72	51.50	51.62	47.53	52.75	51.49
General farm overhead	3.24	3.15	3.71	3.24	4.41	4.74	4.58	4.83
Taxes and insurance	16.02	16.58	16.97	15.14	21.71	22.67	17.33	19.00
Interest	3.66	3.78	4.17	3.83	4.43	4.18	5.44	6.22
Total, fixed cash expenses	22.92	23.51	24.85	22.21	30.55	31.59	27.35	30.05
Total, cash expenses	71.88	75.38	78.57	73.71	82.17	79.12	80.10	81.54
Gross value of production less cash expenses	57.27	46.25	11.93	7.10	27.64	15.90	33.06	27.84
Harvest-period price (dollars/bu.)	2.73	1.55	1.10	1.21	1.28	1.41	1.23	1.28
Yield (bu./planted acre)	38.86	65.18	66.51	48.71	66.04	47.32	56.03	55.78

1/ The North Central Region includes Minnesota, Iowa, Wisconsin, Illinois, Michigan, and Ohio.

2/ Cost of custom operations and technical services.

3/ Cost of purchased irrigation water.

Note: Survey base changed in 1988.

SUGARBEETS: PRODUCTION CASH COSTS AND RETURNS, RED RIVER VALLEY, 1988-95 1/

Item	1988	1989	1990	1991	1992	1993	1994	1995
Dollars per Planted Acre								
Gross value of production:								
Beets - gross value of production	622.94	637.42	702.72	694.80	849.13	591.61	852.36	741.55
Cash expenses:								
Seed	38.33	23.01	24.36	24.85	36.63	37.53	39.89	41.15
Fertilizer	32.13	33.86	32.38	33.28	30.29	28.68	32.78	39.90
Chemicals	56.25	58.93	62.06	66.52	66.14	66.30	66.79	68.14
Custom operations	18.82	20.09	21.11	21.87	21.13	19.88	24.78	24.07
Fuel and lubrication	20.79	22.67	25.55	25.59	18.65	18.20	18.46	17.81
Repairs	28.84	30.20	31.18	32.02	29.23	24.48	29.87	28.86
Hired labor	67.39	70.29	74.88	78.64	70.05	68.50	66.12	69.33
Purchased irrigation water	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04
Freight and dirt hauling charges	8.12	8.98	8.24	9.98	9.87	8.92	9.93	9.51
Miscellaneous 2/	3.58	3.79	3.95	4.06	13.52	14.00	13.85	14.44
Hauling allowance (-)	12.12	13.31	12.76	14.06	-9.43	-8.33	-9.50	-9.10
Total, variable cash expenses	286.37	285.13	296.47	310.87	286.12	278.20	293.01	304.15
General farm overhead	34.20	34.99	38.58	38.14	25.33	30.64	30.16	31.86
Taxes and insurance	28.15	27.74	27.73	28.07	35.21	39.40	35.88	40.65
Interest	53.39	54.63	60.22	59.54	43.50	45.18	41.90	47.98
Total, fixed cash expenses	115.74	117.36	126.53	125.75	104.04	115.22	107.94	120.49
Total, cash expenses	402.11	402.49	423.00	436.62	390.16	393.42	400.95	424.64
Gross value of production less cash expenses	220.83	234.93	279.72	258.18	458.97	198.19	451.41	316.91
Season-average price (dollars/ton)	43.90	40.60	48.80	40.00	47.20	40.97	41.66	41.66
Yield (net tons/planted acre)	14.19	15.70	14.40	17.37	17.99	14.44	20.46	17.80

1/ The Red River Valley includes Minnesota and eastern North Dakota.

2/ Includes costs deducted by the processor from the net payment and noncash benefits.

Note: Survey base changed in 1992.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

HOG PRODUCTION: FARROW-TO-FINISH, FARROW-TO-FEEDER, FEEDER PIG-TO-FINISH, CASH COSTS AND RETURNS, NORTH REGION, 1995 1/

Item	All Hog Producers	Farrow to Finish	Farrow to Feeder	Feeder Pig to Finish
<u>Dollars per Cwt Gain 2/</u>				
Gross value of production:				
Market hogs	38.03	39.60	1.01	53.00
Feeder pigs	4.58	0.39	62.46	0.05
Cull stock	2.19	2.16	5.13	0.01
Breeding stock	2.19	0.14	0.13	0.01
Inventory change	-0.58	-0.61	-0.23	-0.52
Other income 3/	1.42	1.48	1.47	1.30
Total, gross value of production	47.83	43.16	69.97	53.85
Cash expenses:				
Feed--				
Grain	12.58	12.61	16.68	11.44
Protein sources	8.34	8.70	9.60	5.47
Complete mixes	4.74	3.50	10.25	6.60
Other feed items 4/	0.66	0.61	0.85	0.45
Total feed costs	26.32	25.42	37.38	23.96
Other--				
Feeder pigs	3.04	0.15	0.04	17.94
Veterinary and medicine	1.55	1.29	5.67	0.95
Bedding and litter	0.10	0.07	0.26	0.16
Marketing	0.55	0.45	2.34	0.45
Custom services and supplies	0.46	0.40	0.99	0.35
Fuel, lube, and electricity	1.56	1.44	4.59	0.75
Repairs	1.43	1.40	3.16	1.02
Hired labor	2.54	2.18	6.22	0.98
Total, variable cash expenses	37.55	32.80	60.65	46.56
General farm overhead	2.07	1.80	3.44	1.81
Taxes and insurance	1.09	0.98	2.02	1.05
Interest	3.25	2.91	5.37	3.58
Total, fixed cash expenses	6.41	5.69	10.83	6.44
Total, cash expenses	43.96	38.49	71.48	53.00
Gross value of production less cash expenses	3.87	4.67	-1.51	0.85

1/ The North Region includes Minnesota, Iowa, Missouri, Wisconsin, Illinois, Michigan, Indiana, Ohio, South Dakota, Nebraska, and Kansas.

2/ Cwt gain = (cwt sold - cwt purchased) + cwt inventory change.

3/ Receipts from manure sales.

4/ Milk replacer, milk, milk by-products, antibiotics, and other medicated additives.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.



COW-CALF: PRODUCTION CASH COSTS AND RETURNS, NORTH CENTRAL REGION, 1988-95 1/

Item	1988	1989	1990	1991	1992	1993	1994	1995
Dollars per Bred Cow								
Gross value of production:								
Steer calves	114.24	116.73	60.07	61.10	56.79	59.02	56.29	44.68
Heifer calves	62.76	63.66	34.69	35.10	32.82	34.41	32.41	26.21
Yearling steers	79.93	86.48	136.56	133.33	128.29	132.12	118.55	106.69
Yearling heifers	62.01	64.43	89.43	87.60	84.43	87.32	78.50	70.32
Other cattle	45.96	47.76	98.62	95.47	90.27	91.61	79.33	68.92
Total, gross value of production	364.90	379.06	419.37	412.60	392.60	404.48	365.08	316.82
Cash expenses:								
Feeder cattle	---	---	2.79	2.68	2.60	2.65	2.28	2.20
Feed--								
Grain	9.41	10.09	10.96	11.57	9.83	11.84	9.99	14.44
Silage	14.13	10.34	0.00	0.00	0.00	0.00	0.00	0.00
Protein supplements	14.53	16.63	20.33	20.13	20.33	21.11	22.10	20.41
By-products	2.02	2.10	4.56	4.62	4.84	5.00	4.87	4.91
Harvested forages	67.66	53.27	63.63	66.60	68.07	70.61	70.22	72.35
Pasture	14.79	17.24	45.13	47.28	44.87	45.02	46.60	34.88
Total feed costs	122.54	109.67	144.61	150.20	147.94	153.58	153.78	146.99
Other--								
Veterinary and medicine	6.62	7.44	15.49	19.08	23.56	27.81	28.95	28.69
Livestock hauling	2.07	2.11	0.96	1.26	1.25	1.52	1.61	1.60
Marketing	2.96	3.21	5.94	5.87	3.17	3.66	3.88	3.84
Custom feed mixing	0.14	0.17	0.08	0.07	0.04	0.04	0.04	0.04
Fuel, lube, and electricity 2/	11.86	13.85	28.38	29.35	25.21	26.29	22.26	23.41
Machinery and building repairs	24.09	24.58	32.43	34.43	35.44	36.56	36.90	40.54
Hired labor	4.01	5.76	11.08	11.34	12.20	11.51	10.99	11.94
Other variable cash expenses	---	---	4.63	4.76	5.06	4.96	4.96	5.29
Total, variable cash expenses	174.29	166.79	246.39	259.04	256.47	268.58	265.65	264.54
General farm overhead	26.88	28.29	28.01	22.62	22.80	30.86	29.81	31.64
Taxes and insurance	47.53	54.78	11.50	10.16	10.38	13.40	13.83	14.03
Interest	53.59	51.55	38.06	31.76	27.95	33.30	31.18	35.20
Total, fixed cash expenses	128.00	134.62	77.57	64.54	61.13	77.56	74.82	80.87
Total, cash expenses	302.29	301.41	323.96	323.58	317.60	346.14	340.47	345.41
Gross value of production less cash expenses	62.61	77.65	95.41	89.02	75.00	58.34	24.61	-28.59

1/ The North Central Region includes Minnesota, Iowa, Missouri, Illinois, Indiana, and Ohio.

2/ 1993-1995 include fuel and lube only.

Note: 1990 through 1995 estimates were based on a revised methodology and are not directly comparable with results for previous years.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.



MILK: PRODUCTION CASH COSTS AND RETURNS, UPPER MIDWEST REGION, 1987-95 1/ 2/

Item	1987	1988	1989	1990	1991	1992	1994	1995
Dollars per Cwt								
Gross value of production:								
Milk	12.11	11.92	13.35	13.50	12.04	13.11	13.04	12.83
Cattle	1.29	1.34	1.61	1.73	1.63	1.56	1.15	1.00
Other income 3/	0.00	0.00	0.15	0.18	0.17	0.19	0.64	0.76
Total, gross value of production	13.40	13.26	15.11	15.41	13.84	14.86	14.83	14.59
Cash expenses:								
Feed--								
Concentrates	2.76	2.99	3.12	3.13	3.14	2.85	3.77	3.53
By-products	0.12	0.15	0.08	0.08	0.08	0.08	0.11	0.11
Liquid whey	4/	4/	4/	4/	4/	4/	0.14	0.16
Hay	0.95	1.58	1.30	1.20	0.96	1.07	1.15	0.96
Silage	0.70	1.34	1.20	1.05	0.99	1.05	1.66	1.38
Pasture and other forage	0.05	0.08	0.04	0.03	0.04	0.04	0.10	0.13
Total feed costs	4.58	6.14	5.74	5.49	5.21	5.09	6.93	6.27
Other--								
Hauling and marketing	0.58	0.59	0.47	0.49	0.50	0.50	0.56	0.52
Artificial insemination	0.12	0.12	0.14	0.13	0.13	0.15	0.17	0.16
Veterinary and medicine	0.19	0.19	0.24	0.24	0.22	0.25	0.48	0.44
Fuel, lube, and electricity	0.24	0.22	0.23	0.25	0.25	0.23	0.57	0.57
Machinery and building repairs	0.43	0.43	0.56	0.55	0.54	0.56	1.02	1.04
Hired labor	0.65	0.65	0.42	0.46	0.46	0.49	0.65	0.58
DHIA fees	0.06	0.06	0.05	0.05	0.05	0.05	0.08	0.07
Dairy assessment	0.19	0.03	0.00	0.01	0.05	0.13	0.17	0.16
Other variable cash expenses 5/	0.19	0.19	0.24	0.25	0.24	0.24	0.68	0.66
Total, variable cash expenses	7.23	8.62	8.09	7.92	7.65	7.69	11.31	10.47
General farm overhead	0.78	0.95	0.54	0.66	0.60	0.57	0.64	0.67
Taxes and insurance	0.40	0.48	0.45	0.43	0.45	0.46	0.38	0.38
Interest	1.35	1.19	0.92	0.99	0.93	0.79	1.01	1.14
Total, fixed cash expenses	2.53	2.62	1.91	2.08	1.98	1.82	2.03	2.19
Total, cash expenses	9.76	11.24	10.00	10.00	9.63	9.51	13.34	12.66
Gross value of production less cash expenses	3.64	2.02	5.11	5.41	4.21	5.35	1.49	1.93

1/ The Upper Midwest Region includes Minnesota, Wisconsin, Michigan, and South Dakota.

2/ 1993 data not available.

3/ Includes the dairy enterprise share of receipts from cooperative patronage dividends, assessment refunds, renting or leasing of dairy animals, manure sales, and insurance indemnity payments.

4/ Not available prior to 1994.

5/ Includes the dairy enterprise share of expenses for bedding and litter, custom manure hauling and disposal, and dairy supplies.

Note: Survey base changed in 1989.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.



FARM INCOME

Net farm income received by Minnesota farmers in 1995 was the second lowest amount received in the past ten years.

Total net farm income for 1995 was \$973.5 million, compared to \$1,545.4 million in 1994. This compares to \$158.5 million in 1993.

The "average" Minnesota farm had gross farm income of \$96,141 in 1995. However, expenses used up \$84,952 of the income, leaving the typical farm with \$11,190 of net farm income in 1995, compared with \$18,181 in 1994 and \$1,822 in 1993.

MINNESOTA FARM INCOME AND PRODUCTION EXPENSES



FARM INCOME AND EXPENSES: MINNESOTA, 1991-95

Year	Cash Receipts From Farm Marketings	Government Payments	Noncash Income 1/	Farm Related Income 2/	Value of Inventory Adjustment 3/	Total Gross Farm Income	Total Farm Production Expenses	Total Net Farm Income
Million Dollars								
1991	7,278.4	435.8	326.1	282.5	-455.9	7,867.0	6,664.1	1,202.9
1992	6,809.2	422.0	323.3	303.7	54.5	7,912.6	6,553.9	1,358.7
1993	6,338.8	823.3	347.0	350.8	-795.1	7,064.7	6,906.2	158.5
1994	6,407.6	622.3	381.7	414.1	1,145.0	8,970.7	7,425.2	1,545.4
1995	7,001.7	467.9	380.6	416.7	97.5	8,364.3	7,390.8	973.5
1996 4/	8,763.5							

1/ Includes value of home consumption and housing.

2/ Includes income from custom work, machine hire, and recreation.

3/ Estimated physical change in crops and livestock owned by farmers, valued at average prices prevailing during the year.

4/ Data not available at time of publication.

Note: Figures may not add due to rounding.

AVERAGE PER FARM INCOME: MINNESOTA, 1991-1995 1/

Year	Number of Farms	Gross Farm Income	Farm Production Expenses	Net Farm Income
1,000		Dollars		
1991	88	89,398	75,728	13,669
1992	88	89,916	74,476	15,440
1993	87	81,203	79,382	1,822
1994	85	105,538	87,355	18,181
1995	87	96,141	84,952	11,190

1/ Farms having annual sales of ag products of \$1,000 or more.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

FARM CASH RECEIPTS: BY COUNTY AND DISTRICT, MINNESOTA, 1993-94

County and District	1993				1994			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	1,000 Dollars							
Becker	19,317	65,106	6,911	91,334	13,422	62,838	5,659	81,919
Clay	106,217	29,312	14,445	149,974	106,581	26,398	12,748	145,727
Clearwater	7,316	21,240	1,035	29,591	4,686	20,480	1,071	26,237
Kittson	41,603	5,634	17,493	64,730	49,044	5,129	16,263	70,436
Mahnomen	12,266	8,145	4,122	24,533	10,402	7,410	3,162	20,974
Marshall	71,479	9,364	29,163	110,006	67,253	8,161	23,822	99,236
Norman	79,535	9,978	16,006	105,519	59,175	9,191	12,546	80,912
Pennington	17,262	9,851	7,662	34,775	11,356	9,275	8,143	28,774
Polk	199,322	26,304	30,044	255,670	186,771	24,131	23,499	234,401
Red Lake	15,544	9,463	6,187	31,194	11,467	8,768	5,260	25,495
Roseau	35,301	27,025	16,084	78,410	25,088	25,612	14,459	65,159
Northwest	605,162	221,422	149,152	975,736	545,245	207,393	126,632	879,270
Beltrami	6,827	14,650	1,423	22,900	4,539	13,603	1,204	19,346
Cass	1,394	15,524	678	17,596	1,243	14,694	599	16,536
Hubbard	13,075	7,754	1,067	21,896	14,264	6,882	724	21,870
Itasca	1,888	5,686	156	7,730	1,648	5,070	199	6,917
Koochiching	1,018	3,961	353	5,332	713	3,596	240	4,549
Lake of the Woods	6,137	2,521	1,418	10,076	4,342	2,170	1,043	7,555
North Central	30,339	50,096	5,095	85,530	26,749	46,015	4,009	76,773
Lake	272	76	6	354	257	77	12	346
St. Louis	4,448	10,488	203	15,139	4,012	10,043	321	14,376
Northeast	4,720	10,564	209	15,493	4,269	10,120	333	14,722
Big Stone	26,408	20,615	8,156	55,179	22,146	18,636	4,740	45,522
Chippewa	54,080	19,709	11,039	84,828	68,669	16,385	7,324	92,378
Douglas	9,971	41,066	6,446	57,483	10,494	39,198	4,278	53,970
Grant	40,969	17,090	10,676	68,735	35,776	15,511	5,756	57,043
Lac Qui Parle	46,486	37,792	15,424	99,702	47,548	32,126	10,428	90,102
Otter Tail	49,345	141,782	15,417	206,544	46,728	134,859	12,494	194,081
Pope	26,393	38,623	9,408	74,424	22,522	35,805	6,664	64,991
Stevens	36,603	69,188	15,016	120,807	33,711	62,582	6,415	102,708
Swift	53,218	33,762	13,281	100,261	44,298	30,976	9,119	84,393
Wilkin	70,134	6,845	9,146	86,125	65,150	5,983	7,595	78,728
Yellow Medicine	51,099	42,787	17,549	111,435	56,408	36,702	11,083	104,193
West Central	464,706	469,259	131,558	1,065,523	453,450	428,763	85,896	968,109
Benton	7,633	66,299	4,047	77,979	8,842	63,935	2,284	75,061
Carver	17,556	53,621	4,069	75,246	15,065	50,317	2,468	67,850
Kandiyohi	43,216	128,297	14,474	185,987	49,571	124,853	12,513	186,937
McLeod	32,161	48,014	5,491	85,666	29,543	44,530	5,679	79,752
Meeker	35,648	62,699	9,733	108,080	31,748	59,722	8,268	99,738
Morrison	10,100	120,732	6,903	137,735	12,103	116,771	5,142	134,016
Renville	106,106	68,994	19,792	194,892	122,157	62,056	15,652	199,865
Scott	15,104	31,621	2,479	49,204	11,657	28,707	2,367	42,731
Sherburne	19,263	21,811	2,493	43,567	22,390	19,644	1,382	43,416
Sibley	49,366	70,914	8,335	128,615	43,368	65,084	8,501	116,953
Stearns	27,045	236,560	15,309	278,914	27,382	224,136	13,336	264,854
Todd	12,525	98,272	6,223	117,020	15,709	94,653	4,437	114,799
Traverse	44,694	18,975	9,069	72,738	33,097	15,162	5,165	53,424
Wadena	3,778	27,598	2,355	33,731	4,419	27,105	1,355	32,879
Wright	30,806	63,331	4,838	98,975	21,868	59,349	3,116	84,333
Central	455,001	1,117,738	115,610	1,688,349	448,919	1,056,024	91,665	1,596,608

See Footnotes at end of table.

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FARM CASH RECEIPTS: BY COUNTY AND DISTRICT, MINNESOTA, 1993-94 (continued)

County and District	1993				1994			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	1,000 Dollars							
Aitkin	2,254	15,112	415	17,781	2,091	14,491	327	16,909
Anoka	15,743	9,846	866	26,455	17,727	8,813	848	27,388
Carlton	2,573	10,471	196	13,240	2,445	9,777	183	12,405
Chisago	10,712	17,153	2,261	30,126	12,587	16,015	1,612	30,214
Crow Wing	2,723	11,897	681	15,301	2,867	10,980	650	14,497
Hennepin	25,530	17,345	1,148	44,023	25,420	16,368	1,163	42,951
Isanti	12,169	12,198	2,693	27,060	10,705	11,423	1,940	24,068
Kanabec	3,237	24,051	1,056	28,344	2,471	22,393	1,037	25,901
Mille Lacs	5,450	30,378	1,331	37,159	3,963	28,688	1,185	33,836
Pine	4,032	33,491	1,937	39,460	3,768	31,776	1,206	36,750
Ramsey	6,928	1,022	2/	7,952	7,408	958	2/	8,369
Washington	25,210	11,468	2,548	39,226	20,923	10,575	1,194	32,692
Watsonwan	41,886	43,131	11,855	96,872	39,808	38,776	6,583	85,167
East Central	158,447	237,563	26,989	422,999	152,183	221,033	17,931	391,147
Cottonwood	35,473	79,007	16,096	130,576	49,794	69,042	16,336	135,172
Jackson	39,474	64,624	20,179	124,277	54,226	56,120	18,847	129,193
Lincoln	8,366	43,031	12,481	63,878	21,113	38,185	12,909	72,207
Lyon	38,500	74,724	16,638	129,862	47,760	65,954	9,936	123,650
Murray	20,930	63,461	18,773	103,164	38,035	59,314	15,925	113,274
Nobles	18,665	100,716	21,497	140,878	34,047	89,365	20,298	143,710
Pipestone	10,298	46,455	11,556	68,309	26,078	41,456	11,701	79,235
Redwood	64,836	96,545	23,637	185,018	76,784	85,571	12,712	175,067
Rock	19,296	89,726	12,296	121,318	34,471	78,320	9,877	122,668
Southwest	255,838	658,289	153,153	1,067,280	382,308	583,327	128,541	1,094,176
Blue Earth	72,719	76,314	15,365	164,398	56,811	63,035	9,946	129,792
Brown	42,542	84,583	11,362	138,487	45,033	77,353	9,558	131,944
Faribault	69,793	59,339	15,681	144,813	65,176	51,302	13,002	129,480
Freeborn	63,878	59,798	20,644	144,320	67,157	52,842	14,622	134,621
Le Sueur	31,881	47,640	8,266	87,787	24,893	42,769	5,326	72,988
Martin	50,248	89,331	24,743	164,322	67,871	78,219	15,747	161,837
Nicollet	45,118	65,955	7,990	119,063	35,807	59,821	4,748	100,376
Rice	26,506	69,514	8,865	104,885	21,103	64,328	6,710	92,141
Steele	29,303	40,541	11,925	81,769	36,678	37,768	9,970	84,416
Waseca	42,306	30,198	11,932	84,436	38,095	27,296	7,047	72,438
South Central	474,294	623,213	136,773	1,234,280	458,624	554,733	96,676	1,110,033
Dakota	47,096	38,643	7,497	93,236	40,549	35,262	3,913	79,724
Dodge	31,623	49,346	11,893	92,862	31,769	46,843	7,889	86,501
Fillmore	37,115	94,160	17,932	149,207	32,019	86,439	12,498	130,956
Goodhue	42,974	93,319	11,425	147,718	38,521	86,470	8,490	133,481
Houston	13,831	69,091	6,147	89,069	11,215	60,401	5,441	77,057
Mower	61,466	60,641	21,569	143,676	59,126	54,523	11,319	124,968
Olmsted	27,122	69,239	13,077	109,438	28,002	65,164	9,849	103,015
Wabasha	20,285	66,134	7,968	94,387	18,352	61,435	6,027	85,814
Winona	18,177	86,258	7,203	111,638	16,138	81,063	5,216	102,417
Southeast	299,689	626,831	104,711	1,031,231	275,691	577,600	70,642	923,933
Minnesota	2,748,196	4,014,975	823,250	7,586,421	2,747,438	3,685,008	622,325	7,054,771

1/ Includes estimates of interfarm and intrastate sales of livestock, resulting in larger total cash receipts than shown in USDA estimates on pages 15 and 18.

2/ Less than \$50,000, included in totals.

Note: 1995 numbers were not available at time of publication.

SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPARTMENT OF COMMERCE, WASHINGTON, D.C.

CASH RECEIPTS FROM FARM MARKETINGS: MINNESOTA, 1993-95 1/

Commodity	1993		1994		1995	
	Dollars	Percent of Total	Dollars	Percent of Total	Dollars	Percent of Total
	<u>1.000</u>	<u>Percent</u>	<u>1.000</u>	<u>Percent</u>	<u>1.000</u>	<u>Percent</u>
CROPS: 2/						
Feed Crops						
Corn	688,750	10.9	831,755	13.0	1,196,448	17.1
Oats	13,713	0.2	8,833	0.1	7,209	0.1
Barley	59,513	0.9	51,392	0.8	45,871	0.7
Hay	134,764	2.1	113,047	1.8	107,887	1.5
Food Grains						
Wheat	316,352	5.0	241,866	3.8	278,782	4.0
Rye	1,114	*	1,336	*	1,289	*
Oil Crops						
Soybeans	804,216	12.7	934,124	14.6	1,168,186	16.7
Sunflowers	51,743	0.8	53,427	0.8	60,880	0.9
Vegetable Crops						
Potatoes	87,912	1.4	92,971	1.5	93,817	1.3
Sweet Corn (processed)	28,194	0.4	52,787	0.8	48,357	0.7
Green Peas (processed)	12,775	0.2	30,547	0.5	32,818	0.5
Other Crops						
Sugarbeets	218,570	3.4	358,154	5.6	311,455	4.4
Dry Beans	27,566	0.4	38,571	0.6	37,774	0.5
Apples	6,559	0.1	6,892	0.1	7,332	0.1
Floriculture	50,052	0.8	51,414	0.8	54,577	0.8
Other Crops, Fruits, Vegetables 3/	81,972	1.3	92,527	1.4	98,261	1.4
Total Crops	2,583,765	40.8	2,959,643	46.2	3,550,943	50.7
LIVESTOCK AND PRODUCTS:						
Meat Animals						
Cattle & Calves	1,045,785	16.5	859,566	13.4	835,231	11.9
Hogs	928,483	14.6	832,128	13.0	864,972	12.4
Sheep & Lambs	17,926	0.3	16,113	0.3	15,096	0.2
Dairy Products	1,226,240	19.3	1,194,086	18.6	1,185,504 ✓	16.9
Poultry & Eggs						
Turkeys	285,180	4.5	304,776	4.8	299,093	4.3
Broilers	80,818	1.3	84,524	1.3	83,616	1.2
Chicken Eggs	103,193	1.6	88,967	1.4	98,335	1.4
Other Livestock Products						
Honey	7,632	0.1	6,984	0.1	8,930	0.1
Miscellaneous Livestock & Products 4/	59,767	0.9	60,858	0.9	59,947	0.9
Total Livestock	3,755,024	59.2	3,448,002	53.8	3,450,724	49.3
TOTAL ALL CROPS AND LIVESTOCK	6,338,789	100.0	6,407,645	100.0	7,001,667	100.0

1/ 1993 and 1994 are revised; 1995 is preliminary.

2/ Includes Commodity Credit loans (calculated by crop open market sales plus net CCC loans).

3/ Flax, Kentucky bluegrass, red clover, timothy, and other seeds; asparagus, green lima beans, snap beans, cabbage, onions, carrots, cucumbers, miscellaneous vegetables, mushrooms, other fruits, and field crops.

4/ Wool, mink, goats, horses, mules, ducks, geese, beeswax, turkey eggs, farm chickens, and other livestock and poultry.

* Less than 0.1%.

Note: Percents may not add to totals because of rounding.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

FARM BALANCE SHEET: MINNESOTA, 1991-95

Item	1991	1992	1993	1994	1995
<u>Million Dollars</u>					
Total Farm Assets:	34,994.6	35,865.0	35,447.6	35,941.8	37,704.6
Real Estate	23,219.1	23,786.7	23,609.8	23,898.4	25,018.4
Livestock and Poultry 1/	2,197.7	2,345.7	2,362.2	2,178.5	2,125.4
Machinery and Motor Vehicles 2/	5,088.6	5,140.3	5,226.3	5,226.5	5,268.5
Crops 3/	1,951.6	1,817.9	1,433.8	1,641.1	2,334.6
Purchased Inputs	231.8	342.1	359.5	393.2	258.1
Financial	2,305.9	2,432.3	2,456.1	2,604.1	2,699.7
Total Farm Debt:	6,617.0	6,739.6	6,900.6	7,306.2	7,690.7
By Purpose:					
Real Estate	3,484.0	3,519.2	3,620.5	3,751.9	3,874.4
Nonreal Estate 4/	3,133.0	3,220.4	3,280.0	3,554.3	3,816.3
By Lender:					
Farm Credit Services	1,684.6	1,658.4	1,680.6	1,812.8	1,940.6
Farm Service Agency	534.1	473.8	424.1	426.1	394.3
Commercial Banks	2,633.5	2,816.9	2,910.2	3,088.6	3,296.8
Life Insurance Companies	207.6	193.7	207.9	209.0	215.0
Individuals and others	1,556.5	1,596.5	1,677.9	1,769.7	1,843.9
Total Farm Equity	28,377.7	29,125.3	28,547.0	28,635.6	30,014.0
<u>Ratio</u>					
Debt/Equity Ratio	23.3	23.1	24.2	25.5	25.6
Debt/Assets Ratio	18.9	18.8	19.5	20.3	20.4

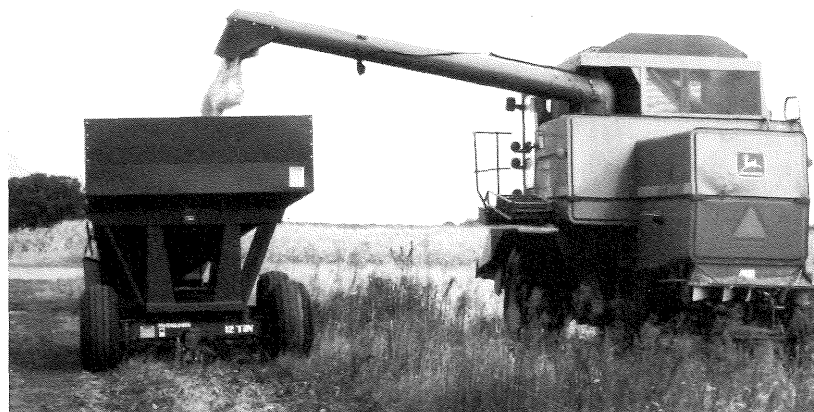
1/ Excludes horses, mules, and broilers.

2/ Includes only farm share value for trucks and autos.

3/ All non-CCC crops held on farms plus the value above loan rate for crops held under CCC.

4/ Excludes debt for nonfarm purposes.

SOURCE: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.



1996 CLIMATE SUMMARY

January brought an assortment of mild and frigid temperatures. A powerful storm sweeping through the Midwest on January 17 and 18 produced heavy snow in the north and west, and left southeastern Minnesota covered with ice. Late January and early February brought a cold spell of historic proportions to the Upper Midwest. Various locations across Minnesota set all-time low temperature records. A location near Tower broke the all-time Minnesota low temperature record with minus 60 degrees F on February 2. Temperatures moderated by the second week of February and slowly melted the snow cover from southern Minnesota, easing flooding concerns in those areas. However, northern Minnesota lost relatively little snow cover. By late March, snow depths were still greater than 18 inches over large areas of the north.

After enduring one of the harshest winters of the century, northern Minnesota experienced a very cold spring. Significant snow cover persisted in the North well into mid-April. Spring runoff from the heavy snow cover led to flooding, with northwestern Minnesota experiencing the most serious flooding.

Southern Minnesota also experienced an unusually cold spring. Temperatures averaged three to five degrees below normal for April and May. The cold temperatures suppressed soil warming and drying, leading to significant delays in spring planting.

Heavy rains in mid-May dropped two to six inches of water on the already saturated Red River Valley, further delaying agricultural field operations and leading to more flooding. May also brought the usual severe spring weather to western and southern Minnesota, leading to significant property damage in some areas.

The weather was highly variable across the state in June. Very dry weather for the first three weeks of the month led to forest fires in the north, especially northeastern Minnesota. In contrast to the dryness of the north, some areas of southern Minnesota received torrential rains in mid-June. A slow moving low pressure system, plodding through the Upper Midwest produced a deluge in south central Minnesota on June 16 and 17. Rainfall totals exceeded six inches in portions of Nicollet and Blue Earth counties leading to small stream and urban flooding as well as mud slides.

Relatively dry weather was the major climate issue of July. As of late July, many areas of central and western Minnesota had received just 50 to 75 percent of normal precipitation for the season. However, there was a notable exception to this pattern. Extreme northwestern Minnesota received substantial rains in July and precipitation totals were well above normal for the season.

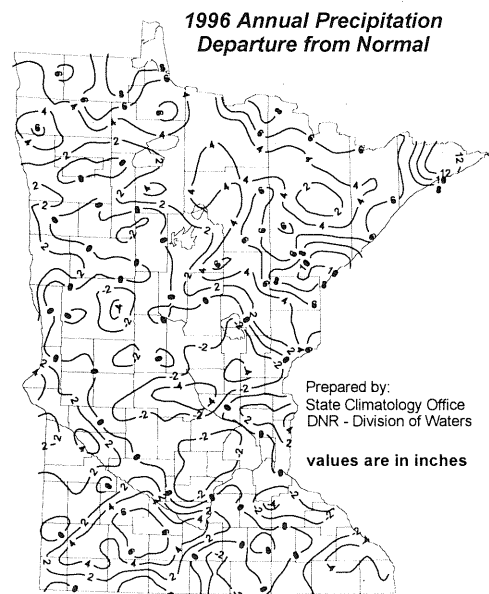
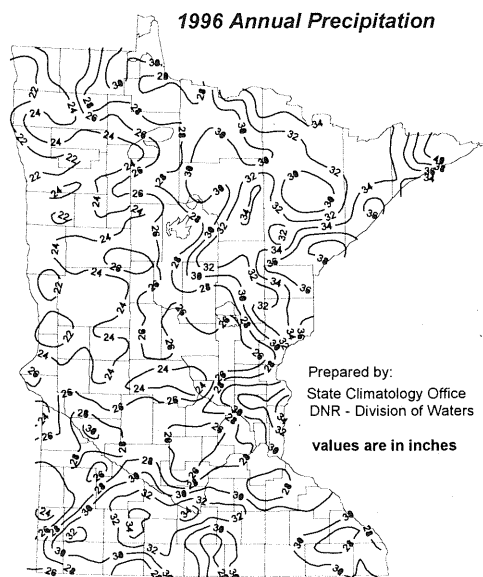
Dry and pleasant weather was the rule throughout the late summer and early fall across Minnesota. For some regions of the state, dry weather was a continuation of a very dry growing season. In a few communities, the precipitation deficit was similar to the worst droughts of the century. Fortunately, moderate summer temperatures led to reduced evaporation rates, mitigating the impact of the rainfall shortage. The Palmer Drought Severity Index indicated that southeastern Minnesota was in the "moderate drought" category in the fall. Northwestern, central, and east central Minnesota fell in the "moderate drought" category for much of the summer and early fall.

Agricultural production across Minnesota showed mixed results. Those areas receiving adequate rainfall reaped the benefits of stress-free temperatures. Meanwhile, those areas with precipitation deficits experienced significant yield reductions. Many communities saw their first light frost in mid September, and all of Minnesota experienced a hard freeze in the first week of October.

After a dry growing season, much of Minnesota experienced an extremely wet fall. For considerable areas of the state, precipitation totals for October and November ranged from four to eight inches. The October plus November precipitation totals ranked above the 95th percentile across large sections of Minnesota. Much of this precipitation fell before the soil froze and helped to replenish diminishing soil moisture reserves.

Mean November temperatures were considerably colder than normal. For many Minnesota communities it was one of the coldest Novembers of the century. November of 1996 was also one of the wettest this century, with a good deal of both freezing rain and snowfall. Significant winter storms also occurred in December. Freezing rain events, snow storms, and full-fledged blizzards occurred throughout the month. Christmas Day, 1996 will go down in history as the coldest and most snow-covered on record for many Minnesota communities.

SOURCE: STATE CLIMATOLOGY OFFICE, DNR - DIVISION OF WATERS



MEDIAN FROST DATES IN MINNESOTA BASED ON AVERAGES FROM 1948-1992

County and District	Station	Average Date of Last Temperature Occurrence			Average Date of First Temperature Occurrence			Number of Days Between Average Last Spring and First Fall Occurrence of:		
		24°F	28°F	32°F	32°F	28°F	24°F	32°F	28°F	24°F
Northwest										
Norman	Ada	Apr 24	May 06	May 14	Sep 24	Oct 02	Oct 13	133	153	176
Marshall	Argyle	Apr 26	May 09	May 18	Sep 22	Sep 28	Oct 10	126	143	168
Polk	Crookston	Apr 25	May 08	May 16	Sep 23	Sep 29	Oct 13	129	145	170
Becker	Detroit Lakes	May 02	May 10	May 21	Sep 17	Sep 24	Oct 05	116	139	157
Polk	Fosston	Apr 26	May 07	May 17	Sep 21	Sep 28	Oct 16	127	146	173
Kittson	Hallock	Apr 27	May 09	May 19	Sep 23	Oct 02	Oct 10	126	144	165
Clay	Moorhead	Apr 21	May 06	May 13	Sep 24	Oct 04	Oct 15	135	152	178
Red Lake	Red Lake Falls	Apr 20	May 08	May 17	Sep 22	Sep 28	Oct 10	127	141	176
Roseau	Roseau	May 04	May 14	May 25	Sep 16	Sep 25	Oct 07	112	137	159
Roseau	Warroad	Apr 30	May 10	May 21	Sep 23	Sep 28	Oct 12	124	141	165
North Central										
Lake of the Woods	Baudette	Apr 28	May 09	May 22	Sep 22	Sep 28	Oct 13	122	146	164
Beltrami	Bemidji	May 04	May 09	May 22	Sep 22	Sep 27	Oct 15	124	136	164
Koochiching	Big Falls	May 04	May 15	Jun 01	Sep 15	Sep 24	Oct 05	108	135	159
Itasca	Grand Rapids	Apr 27	May 09	May 23	Sep 20	Sep 27	Oct 09	116	141	165
Koochiching	Int'l Falls	Apr 29	May 12	May 24	Sep 17	Sep 25	Oct 08	114	138	163
Hubbard	Park Rapids	May 01	May 08	May 19	Sep 20	Sep 27	Oct 07	124	143	162
Northeast										
St. Louis	Babbitt	Apr 28	May 09	May 21	Sep 23	Oct 05	Oct 22	125	153	174
St. Louis	Duluth (Airport)	Apr 24	May 09	May 20	Sep 22	Oct 05	Oct 17	124	154	175
Cook	Grand Marais	Apr 17	May 01	May 15	Sep 30	Oct 19	Oct 30	138	171	194
St. Louis	Hibbing	Apr 28	May 12	May 29	Sep 13	Sep 26	Oct 06	107	137	163
West Central										
Douglas	Alexandria	Apr 13	Apr 24	May 08	Oct 01	Oct 12	Oct 25	146	169	194
Swift	Benson	Apr 13	Apr 29	May 07	Sep 30	Oct 10	Oct 18	146	166	189
Wilkin	Campbell	Apr 20	Apr 29	May 10	Sep 24	Oct 02	Oct 14	136	156	179
Yellow Medicine	Canby	Apr 14	Apr 28	May 08	Oct 01	Oct 10	Oct 21	147	163	189
Otter Tail	Fergus Falls	Apr 16	Apr 30	May 09	Sep 27	Oct 09	Oct 21	143	162	188
Lac Qui Parle	Madison	Apr 14	Apr 29	May 07	Sep 28	Oct 09	Oct 20	144	166	192
Lac Qui Parle	Montevideo	Apr 13	Apr 28	May 07	Sep 30	Oct 10	Oct 21	146	169	192
Stevens	Morris	Apr 14	Apr 29	May 08	Sep 27	Oct 06	Oct 17	143	161	185
Traverse	Wheaton	Apr 15	Apr 28	May 10	Sep 28	Oct 10	Oct 23	143	162	189
Central										
Sibley	Gaylord	Apr 09	Apr 17	Apr 30	Oct 05	Oct 14	Oct 24	159	180	193
Scott	Jordan	Apr 13	Apr 28	May 10	Sep 27	Oct 07	Oct 20	143	164	190
Morrison	Little Falls	Apr 19	May 02	May 12	Sep 24	Oct 03	Oct 17	136	154	181
Stearns	Melrose	Apr 12	Apr 28	May 11	Sep 24	Oct 05	Oct 16	138	160	186
Stearns	St. Cloud	Apr 19	May 01	May 12	Sep 24	Oct 05	Oct 17	138	157	180
Wadena	Wadena	Apr 22	May 16	May 12	Sep 24	Oct 03	Oct 18	137	156	180
Kandiyohi	Willmar	Apr 12	May 05	May 02	Oct 03	Oct 14	Oct 24	154	172	193
East Central										
Aitkin	Aitkin	Apr 23	May 06	May 19	Sep 23	Sep 28	Oct 18	126	149	176
Crow Wing	Brainerd	Apr 22	May 04	May 12	Sep 20	Oct 01	Oct 16	132	151	175
Pine	Hinckley	Apr 22	May 06	May 20	Sep 22	Sep 28	Oct 10	120	147	172
Hennepin	Maple Plain	Apr 13	Apr 25	May 06	Oct 01	Oct 13	Oct 25	153	169	195
Mille Lacs	Milaca	Apr 18	May 01	May 12	Sep 25	Oct 03	Oct 18	137	153	184
Carlton	Moose Lake	May 02	May 16	May 31	Sep 16	Sep 26	Oct 07	109	132	162
Kanabec	Mora	Apr 21	May 05	May 17	Sep 20	Oct 01	Oct 14	125	151	169
Washington	Stillwater	Apr 10	Apr 16	May 02	Oct 07	Oct 16	Nov 02	160	184	207
Southwest										
Redwood	Lamberton	Apr 09	Apr 28	May 06	Sep 29	Oct 07	Oct 15	146	163	188
Rock	Luverne	Apr 16	Apr 29	May 07	Sep 27	Oct 05	Oct 16	142	160	177
Lyon	Marshall	Apr 10	Apr 22	May 05	Oct 04	Oct 15	Oct 24	155	176	196
Pipestone	Pipestone	Apr 23	May 05	May 12	Sep 23	Oct 03	Oct 10	135	151	171
Cottonwood	Windom	Apr 14	Apr 15	May 07	Sep 30	Oct 07	Oct 19	146	167	189
South Central										
Freeborn	Albert Lea	Apr 09	Apr 20	May 02	Oct 05	Oct 18	Oct 31	156	181	201
Martin	Fairmont	Apr 06	Apr 14	May 01	Oct 09	Oct 20	Oct 31	161	189	208
Rice	Faribault	Apr 14	Apr 27	May 10	Sep 29	Oct 11	Oct 24	146	167	193
Brown	New Ulm	Apr 09	Apr 23	May 03	Sep 28	Oct 10	Oct 23	148	170	193
Waseca	Waseca	Apr 12	Apr 23	May 06	Oct 01	Oct 06	Oct 24	149	167	192
Faribault	Winnebago	Apr 09	Apr 19	May 03	Oct 06	Oct 17	Oct 26	158	180	203
Southeast										
Mower	Austin	Apr 12	Apr 29	May 07	Sep 27	Oct 06	Oct 23	144	166	191
Houston	Caledonia	Apr 14	Apr 24	May 06	Sep 29	Oct 11	Oct 26	152	174	192
Dakota	Farmington	Apr 11	Apr 21	May 03	Oct 03	Oct 12	Oct 29	155	178	201
Fillmore	Preston	Apr 21	May 07	May 18	Sep 21	Sep 29	Oct 13	125	148	178
Olmsted	Rochester	Apr 11	Apr 21	May 08	Sep 30	Oct 13	Oct 27	147	174	197
Winona	Winona	Apr 07	Apr 17	Apr 17	Oct 06	Oct 19	Oct 31	163	184	205
Goodhue	Zumbrota	Apr 17	Apr 30	Apr 30	Sep 25	Oct 03	Oct 18	139	157	187

SOURCE: STATE CLIMATOLOGY OFFICE, DNR - DIVISION OF WATERS

MONTHLY PRECIPITATION: BY SELECTED STATIONS AND DISTRICTS, MINNESOTA, 1996

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Precipitation (Inches)											
Northwest												
Crookston	1.08	.91	M.40	M.42	3.17	1.73	5.57	.33	2.08	1.59	1.96	M1.72
Hallcock	1.03	.81	.93	.87	3.55	2.65	2.06	M	M	M	M	M
Mahnomen	1.27	.72	1.02	.63	3.07	2.28	4.08	.58	2.73	2.53	1.51	1.72
Moorhead	1.96	1.00	1.52	M.32	3.64	1.31	1.89	1.87	3.32	2.76	2.32	1.27
District	1.09	.81	.78	.77	3.14	2.17	3.90	1.63	3.32	2.42	2.04	1.38
Normal	.71	.48	.96	1.63	2.52	3.71	3.17	2.96	2.55	1.72	.82	.69
North Central												
Grand Rapids	2.25	1.54	.64	1.81	1.43	5.17	6.13	1.29	4.43	4.58	3.60	1.49
Int'l Falls	1.78	1.47	.43	1.54	2.10	4.41	3.05	3.52	2.64	3.17	3.00	1.48
Park Rapids	1.16	.48	.79	.70	2.70	2.65	3.56	3.18	5.31	3.78	1.59	.57
District	1.49	1.11	.67	1.29	2.17	3.32	4.48	2.22	3.53	3.85	2.61	1.14
Normal	.78	.52	1.15	1.92	2.83	4.00	3.74	3.51	3.02	2.28	1.12	.83
Northeast												
Duluth	1.35	1.10	.50	1.47	1.61	5.10	8.37	2.92	5.34	3.08	3.95	.86
Grand Marais	M.92	1.03	.22	1.10	2.67	7.14	2.77	2.40	3.21	3.33	2.71	M1.26
Hibbing	1.32	1.14	.50	1.11	1.76	7.04	5.12	2.37	2.65	4.10	3.21	M1.07
District	1.84	1.08	.57	1.58	1.97	4.81	5.04	2.54	3.85	3.85	3.50	1.59
Normal	.98	.66	1.36	2.03	2.93	4.03	3.70	3.81	3.58	2.54	1.56	1.05
West Central												
Canby	1.90	.52	1.00	1.03	4.77	M2.70	.51	4.52	1.95	4.31	3.45	1.29
Fergus Falls	2.88	1.17	1.02	.05	2.98	2.78	.66	M	3.07	2.97	M2.20	M.99
Montevideo	M2.43	.28	M.56	.46	4.28	2.15	2.37	4.34	2.47	3.32	M2.27	M.66
Morris	1.19	.39	.30	.83	3.28	2.37	3.33	1.88	2.45	5.40	2.34	.73
District	1.87	.55	.69	.59	3.92	2.25	2.59	2.39	2.77	4.05	2.14	1.09
Normal	.73	.67	1.39	2.22	2.84	3.81	3.31	3.01	2.46	1.99	1.05	.65
Central												
Hutchinson	1.67	M.12	M.81	.49	4.28	2.20	1.79	2.11	1.53	3.35	4.60	1.88
Olivia	M1.44	T	.73	M.32	3.93	M3.23	3.29	4.11	1.50	2.50	3.67	1.47
St. Cloud	1.37	.23	.64	.67	2.96	1.94	2.72	2.08	1.20	2.95	3.83	.99
Willmar	2.06	.25	.89	.58	4.17	2.79	3.13	3.96	2.33	3.21	3.01	M1.05
District	2.02	.31	.98	.83	3.60	2.91	2.51	2.54	1.98	3.59	4.06	1.56
Normal	.79	.70	1.63	2.46	3.22	4.35	3.66	3.66	3.01	2.27	1.36	.86
East Central												
Aitkin	1.29	.74	.93	1.37	1.69	3.15	5.54	1.21	2.34	3.82	3.46	1.32
Cambridge	1.93	.39	.97	.45	M4.40	4.12	2.68	1.25	1.39	3.97	M4.91	M1.87
MSP-Airport	1.87	.24	1.39	.76	2.37	4.76	2.09	1.43	1.30	3.01	5.08	1.75
District	1.81	.47	1.13	1.32	3.09	4.05	3.73	1.75	2.25	3.75	4.64	1.73
Normal	.88	.69	1.62	2.33	3.31	4.31	3.88	3.83	3.35	2.46	1.52	1.04
Southwest												
Lamberton	1.90	M.12	1.19	.35	4.43	5.76	5.56	4.66	2.23	2.66	M4.76	M1.28
Luverne	M1.56	.24	M	M.38	4.07	4.37	1.61	3.31	2.65	2.41	5.25	M2.38
Pipestone	1.32	.20	.64	.34	4.10	3.17	1.21	2.18	4.58	2.79	3.55	1.31
Redwood Falls	1.86	.06	1.03	.49	3.74	4.45	2.37	4.64	1.29	2.32	3.82	1.98
Windom	2.43	.30	2.06	.51	3.36	5.69	3.75	7.17	2.31	2.81	4.28	1.56
District	1.82	.19	1.23	.36	3.98	4.67	2.47	4.26	2.47	2.76	4.02	1.27
Normal	.58	.68	1.70	2.56	3.18	3.78	3.73	2.95	3.08	2.04	1.28	.76
South Central												
Fairmont	2.02	.08	1.55	.32	4.49	3.46	1.31	7.73	1.70	M1.45	3.93	1.02
Faribault	M2.39	.05	3.09	.66	3.50	5.11	1.28	4.47	1.54	2.68	4.16	1.97
Mankato	2.83	M.05	1.86	.66	4.06	8.96	1.96	6.18	6.93	2.24	4.24	1.50
Waseca	M	.14	3.29	1.11	3.42	5.45	1.80	7.09	1.81	2.90	4.16	1.93
District	2.12	.06	2.07	.73	3.57	5.46	1.93	5.92	2.24	3.10	3.65	1.26
Normal	.77	.78	1.89	2.80	3.48	4.01	4.08	3.79	3.24	2.26	1.50	1.04
Southeast												
Austin	M.88	M.20	M2.10	M1.07	3.19	5.55	.73	4.14	2.24	2.73	M3.64	M
Caledonia	M.72	M.24	M1.65	M2.18	1.99	6.03	1.43	2.74	2.68	3.32	M3.32	M.67
Rochester	2.00	.18	2.64	1.53	2.13	6.43	1.93	2.94	2.08	2.85	3.94	1.37
Winona	M	M.00	M3.15	.46	.83	4.78	1.83	2.54	1.48	3.17	M2.85	M.88
District	2.52	.15	2.11	1.12	2.42	5.61	1.56	3.07	1.97	3.42	4.38	1.40
Normal	.96	.86	1.96	2.91	3.72	4.03	4.19	3.98	3.77	2.49	1.75	1.23

T = Trace

M = Missing, Insufficient or partial data

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, U.S. DEPARTMENT OF COMMERCE

CROPS: AVERAGE COMPLETION DATES FOR PLANTING AND HARVESTING, MINNESOTA

Crop and Year	Date Planting Completed					Date Harvesting Completed				
	Percent					Percent				
	10	25	50	75	90	10	25	50	75	90
Corn:										
1996	Apr 30	May 04	May 15	May 24	Jun 01	Oct 09	Oct 20	Oct 27	Nov 03	Nov 12
1995	May 02	May 05	May 14	May 23	May 30	Sep 30	Oct 11	Oct 19	Oct 30	Nov 08
1992-96	Apr 29	May 04	May 12	May 20	May 28	Oct 10	Oct 20	Oct 30	Nov 09	Nov 20
Soybeans:										
1996	May 16	May 23	May 30	Jun 05	Jun 11	Oct 02	Oct 07	Oct 10	Oct 13	Oct 18
1995	May 15	May 19	May 26	Jun 02	Jun 13	Sep 30	Oct 10	Oct 17	Oct 23	Oct 29
1992-96	May 10	May 16	May 23	Jun 01	Jun 12	Sep 30	Oct 07	Oct 13	Oct 19	Oct 25
Spring Wheat:										
1996	May 04	May 16	May 28	Jun 02	Jun 08	Aug 05	Aug 09	Aug 28	Sep 08	Sep 18
1995	May 05	May 13	May 22	May 27	May 31	Aug 01	Aug 10	Aug 18	Sep 04	Sep 09
1992-96	Apr 21	Apr 30	May 11	May 22	May 31	Aug 06	Aug 16	Sep 01	Sep 12	Sep 25
Oats:										
1996	Apr 26	Apr 30	May 04	May 13	May 24	Jul 30	Aug 05	Aug 10	Aug 17	Aug 24
1995	Apr 28	May 02	May 08	May 19	May 29	Jul 30	Aug 05	Aug 18	Aug 26	Sep 02
1992-96	Apr 19	Apr 27	May 04	May 12	May 20	Jul 29	Aug 06	Aug 13	Aug 24	Sep 02
Barley:										
1996	May 10	May 17	May 29	Jun 04	Jun 08	Aug 06	Aug 13	Aug 24	Sep 06	Sep 15
1995	May 05	May 16	May 23	May 29	Jun 02	Aug 08	Aug 14	Aug 22	Sep 01	Sep 13
1992-96	Apr 24	May 04	May 13	May 24	Jun 01	Aug 07	Aug 14	Aug 22	Sep 05	Sep 18
Potatoes:										
1996	May 06	May 11	May 24	Jun 09	Jun 15	Sep 01	Sep 18	Sep 29	Oct 10	Oct 13
1995	Apr 30	May 10	May 29	Jun 03	Jun 14	Sep 05	Sep 20	Sep 30	Oct 17	Oct 25
1992-96	May 01	May 08	May 18	May 29	Jun 09	Sep 01	Sep 17	Sep 29	Oct 11	Oct 17
Sunflowers:										
1996	May 25	May 29	Jun 04	Jun 11	Jun 15	Sep 25	Oct 05	Oct 14	Oct 23	Oct 29
1995	May 20	May 26	May 31	Jun 04	Jun 14	Sep 23	Sep 29	Oct 12	Oct 24	Nov 04
1992-96	May 12	May 17	May 25	Jun 02	Jun 11	Sep 28	Oct 08	Oct 17	Oct 27	Nov 05
Alfalfa Hay: 1/										
1996						Jun 10	Jun 12	Jun 16	Jun 25	Jun 30
1995						Jun 04	Jun 12	Jun 17	Jun 21	Jun 25
1992-96						Jun 02	Jun 07	Jun 14	Jun 23	Jul 03
Winter Wheat:										
1996	Aug 25	Sep 02	Sep 06	Sep 12	Sep 20	Jul 23	Jul 30	Aug 10	Aug 16	Aug 21
1995	Aug 30	Sep 06	Sep 16	Sep 25	Sep 29	Jul 30	Aug 06	Aug 12	Aug 24	Sep 01
1992-96	Aug 27	Sep 04	Sep 12	Sep 23	Sep 30	Jul 26	Aug 03	Aug 12	Aug 19	Aug 30
Rye:										
1996	Aug 27	Sep 02	Sep 10	Sep 23	Oct 02	Jul 13	Jul 20	Jul 28	Aug 10	Aug 18
1995	Aug 31	Sep 04	Sep 12	Sep 26	Sep 30	Jul 20	Jul 28	Aug 05	Aug 14	Aug 28
1992-96	Aug 27	Sep 03	Sep 13	Sep 25	Oct 04	Jul 20	Jul 28	Aug 07	Aug 18	Aug 25
Sugarbeets:										
1996	May 04	May 14	May 20	May 27	Jun 01	Sep 26	Oct 02	Oct 07	Oct 11	Oct 13
1995	May 02	May 07	May 17	May 23	May 27	Sep 29	Oct 11	Oct 17	Oct 21	Oct 27
1992-96	Apr 27	May 03	May 09	May 18	May 25	Sep 26	Oct 05	Oct 10	Oct 16	Oct 23

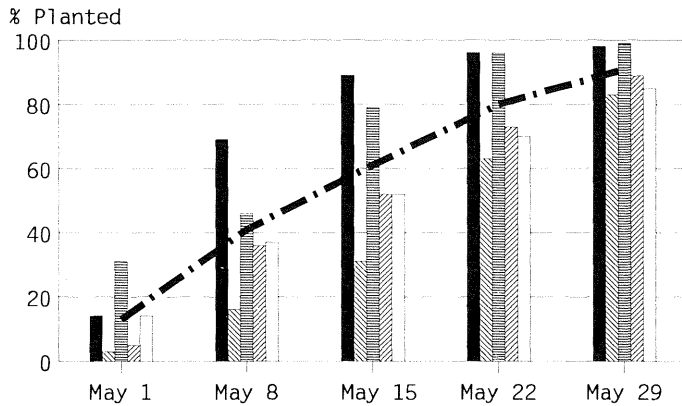
1/ First Cutting.

PLANTING & HARVESTING PROGRESS OF MINNESOTA'S MAJOR CROPS 1992-1996

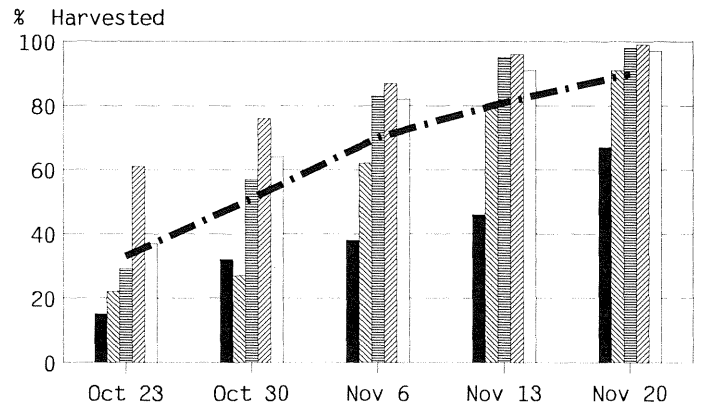
PLANTING PROGRESS

HARVESTING PROGRESS

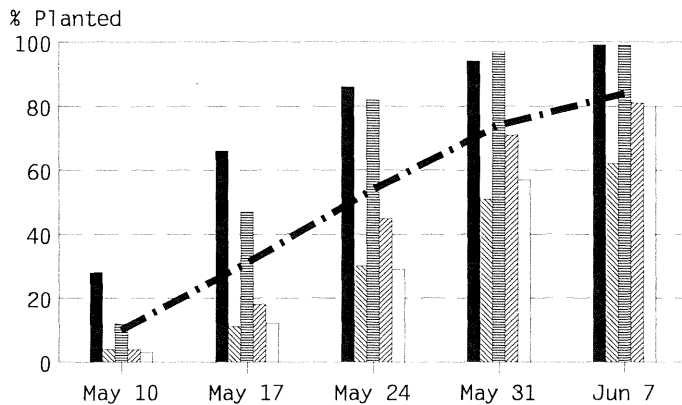
CORN



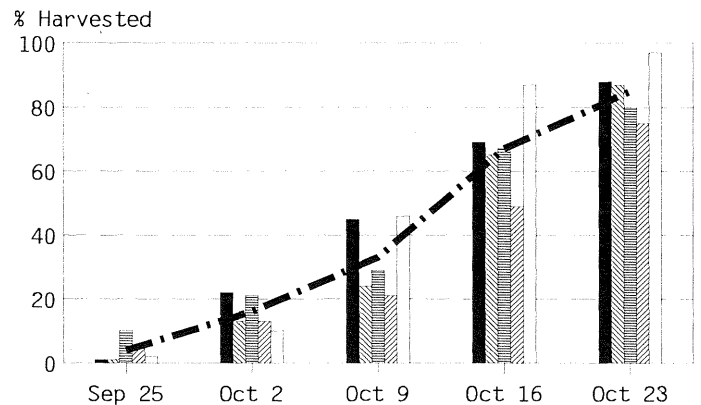
CORN



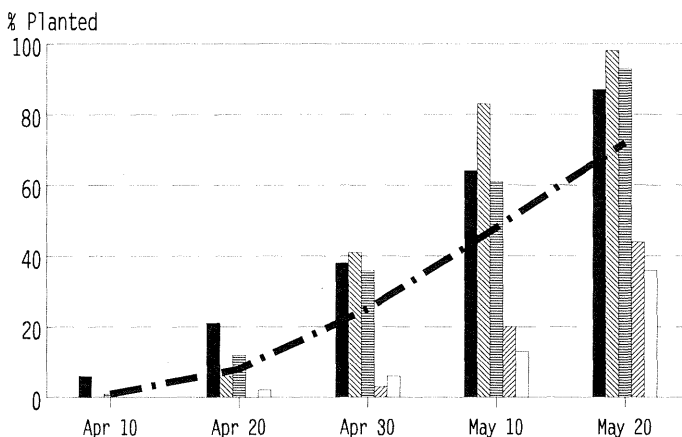
SOYBEANS



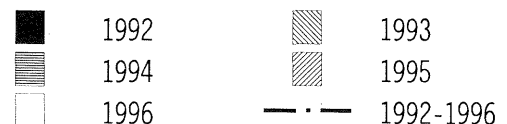
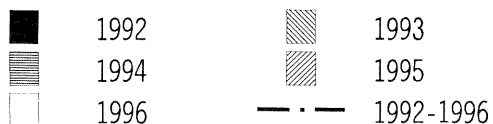
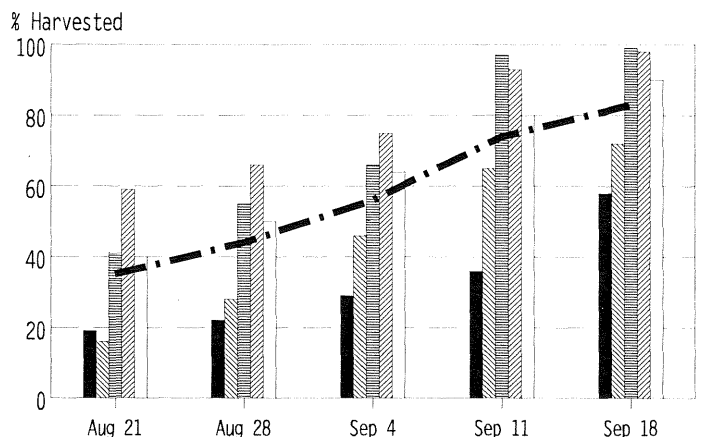
SOYBEANS



SPRING WHEAT



SPRING WHEAT



Section 2

Crops



1996 CROP SUMMARY

CORN, SOYBEAN & SUGARBEET PRODUCTION SECOND HIGHEST ON RECORD

Full-scaled field activities were off to a slow start in April 1996 because of continuous late season snows, rains, and cold temperatures. Spring wheat planted as of April 28th was 33 percentage points behind the 5-year average. During the first-half of May, farmers advanced row crop plantings while spring wheat and barley farmers in the northwest continued to be plagued by unfavorable weather conditions. In late May, farmers had been planting corn into soils which had not reached temperatures that allowed for germination. Corn planted as of May 26th was 6 percentage points behind the 5-year average, while spring wheat continued to lag 47 percentage points behind the 5-year average. Soybean plantings were 26 percentage points behind the 5-year average as of May 26th. By the middle of June, virtually all crops were planted in Minnesota. At the end of June, the crops continued to develop at a slower pace due to late plantings and the cool spring.

In July, soil moisture conditions across the state had declined as scattered showers had dropped little moisture. By the month's end, corn tasseling was 7 percentage points ahead of the 5-year average and only 5 percentage points behind 1995. Soybean blooming was slightly below the 5-year average at 69 percent. Row crops at the end of July were showing the effects of limited topsoil moisture. Corn leaves were curling and soybean leaves were turning yellow and brown. The first part of August, most of Minnesota received much needed rain showers and warmer temperatures to help improve the crop conditions. However by mid-August, most of the state received little or no rain, once again depleting the topsoil moisture.

Above average temperatures for early September provided ideal conditions for corn and soybeans to push toward maturity. Spring wheat harvest was virtually completed by the end of September. The growing season ended with a widespread killing frost, the first week of October with 87 percent of the corn having reached maturity along with 84 percent of the soybeans. Virtually all the soybeans were harvested and corn harvest was slightly over half done by the end of October.

The following is a rundown on the production of Minnesota's major crops for 1996:

The state's 1996 CORN production at 868.8 million bushels was the second highest production ever following the 1994 record production. Yield at 125 bushels per acre was up 6 bushels from 1995.

SOYBEAN production at 224.2 million bushels for 1996, was 5% below the record production of 1995. Yield averaged 38 bushels per acre, down 2.5 bushels from last year. Acres harvested were up 100,000 from 1995.

SPRING WHEAT production was estimated at 100.8 million bushels, up 30.4 million bushels from the previous year. Yield at 42.0 bushels per acre was up 10.0 bushels from 1995.

DURUM WHEAT output was estimated at 430,000 bushels, up 19% from 360,000 bushels in 1995. Yield at 43.0 bushels per acre was up 13.0 bushels from 1995.

WINTER WHEAT production at 1.2 million bushels was up 6% from the previous year. Yield at 36.0 bushels was up 3 bushels from 1995.

SUGARBEET production at 7.97 million tons was up 7% from 1995. Yield at 18.2 tons per acre was up 0.5 tons from 1995.

ALL SUNFLOWER production at 184.7 million pounds was down 59% from 1995. Yield at 1,274 pounds per acre was up 222 pounds from a year earlier. Oil production was estimated at 126.1 million pounds and non-oil at 58.6 million.

ALL DRY HAY production at 6.0 million tons was down 14% from a year earlier. Yield at 2.7 tons per acre was down 0.35 tons from 1995. Alfalfa hay production at 4.57 million tons was down 8%.

FLAX production at 60,000 bushels was down 65% from 1995. Yield at 15 bushels per acre was down 4 bushels from 1995.

Minnesota's OAT crop, at 15.1 million bushels, was down 16% from 1995. This was the smallest production since 1877. This low production level was due to only 270,000 acres for harvest. The yield at 56.0 bushels was up 8 bushels from a year earlier.

BARLEY production of 33.3 million bushels was up 15% from the previous year. Yield at 64.0 bushels was up 14 bushels from 1995.

Minnesota's RYE production at 480,000 bushels was down 21% from 1995. Yield at 24.0 bushels was down 5 bushels from the previous year.

CROPS: RECORD HIGHS, MINNESOTA AND UNITED STATES

Crop	Plantings		Yield Per Acre		Production	
	1,000 Acres	Year	Unit	Year	1,000 Units	Year
Corn						
Minnesota	7,700	1981	142.0 Bu.	1994	915,900 Bu.	1994
United States	113,024	1932	138.6 Bu.	1994	10,102,735 Bu.	1994
Soybeans						
Minnesota	5,950	1996	40.5 Bu.	1995	234,900 Bu.	1995
United States	71,411	1979	41.4 Bu.	1994	2,516,694 Bu.	1994
All Wheat						
Minnesota	1/ 6,375	1899	53.1 Bu.	1985	142,426 Bu.	1985
United States	88,251	1981	39.5 Bu.	1990	2,785,357 Bu.	1981
Spring Wheat						
Minnesota	2/		55.0 Bu.	1985	137,500 Bu.	1992
United States	2/		41.8 Bu.	1992	757,608 Bu.	1992
Barley						
Minnesota	2,380	1935	75.0 Bu.	1992	70,950 Bu.	1985
United States	19,686	1942	62.5 Bu.	1992	608,532 Bu.	1986
Oats						
Minnesota	5,466	1945	70.0 Bu.	1985,1992	242,640 Bu.	1945
United States	47,494	1955	65.4 Bu.	1992	1,523,851 Bu.	1945
All Hay						
Minnesota	3/ 4,721	1941	3.39 Tons	1986	9,675 Tons	1986
United States	3/ 77,639	1944	2.59 Tons	1995	155,385 Tons	1986
All Potatoes						
Minnesota	3/ 486	1922	300 Cwt.	1996	26,244 Cwt.	1922
United States	3/ 3,901	1922	349 Cwt.	1996	497,119 Cwt.	1996
Dry Beans						
Minnesota	190	1995	1,710 Lbs.	1994	2,079 Cwt.	1994
United States	2,599	1943	1,764 Lbs.	1991	33,765 Cwt.	1991
Sugarbeets						
Minnesota	441	1996	20.6 Tons	1994	8,467 Tons	1994
United States	1,647	1969	22.4 Tons	1981,1987	31,853 Tons	1994
All Sunflowers						
Minnesota	1,400	1979	1,781 Lbs.	1991	1,870,620 Lbs.	1979
United States	5,555	1979	1,469 Lbs.	1987	7,296,110 Lbs.	1979

1/ Normally spring wheat accounts for 90-95% of the all wheat estimate for Minnesota. Planted acreage estimates started in 1919 therefore, the record is based on harvested acreage estimates that started in 1866.

2/ Record not available, since planted acreage estimates started in 1924, and the record was set prior to 1924.

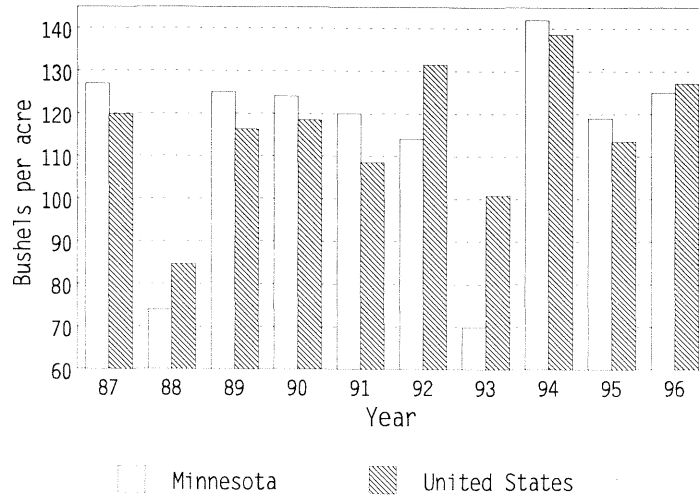
3/ Harvested acres.

CROPS: STOCKS AND PRICE RECORDS, MINNESOTA

Crop	STOCKS		PRICES	
	On-Farm	Off-Farm	High Monthly Average Price since 1983	Low Monthly Average Price since 1983
	1,000 Bushels		Dollars per Bushel	
Corn	820,000 December 1, 1986	259,100 December 1, 1987	\$3.95 August 1996	\$1.29 October 1986
Soybeans	125,000 December 1, 1995	102,329 December 1, 1986	\$8.38 July 1988	\$4.39 October 1986
All Wheat	175,000 September 1, 1986	101,732 September 1, 1986	\$5.87 June 1996	\$2.23 August 1987
Barley	88,688 October 1, 1985	45,258 September 1, 1988	\$3.18 June 1996	\$1.10 August 1986
Oats	208,670 October 1, 1945	78,566 October 1, 1971	\$2.93 July 1988	\$0.82 August 1986

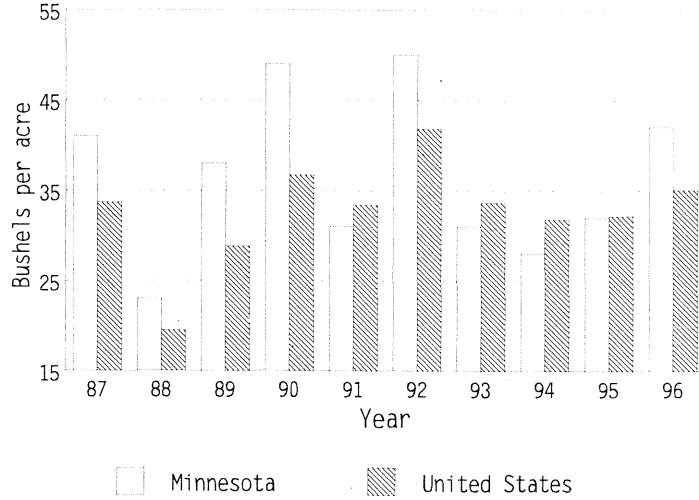
CORN YIELDS

Minnesota & United States



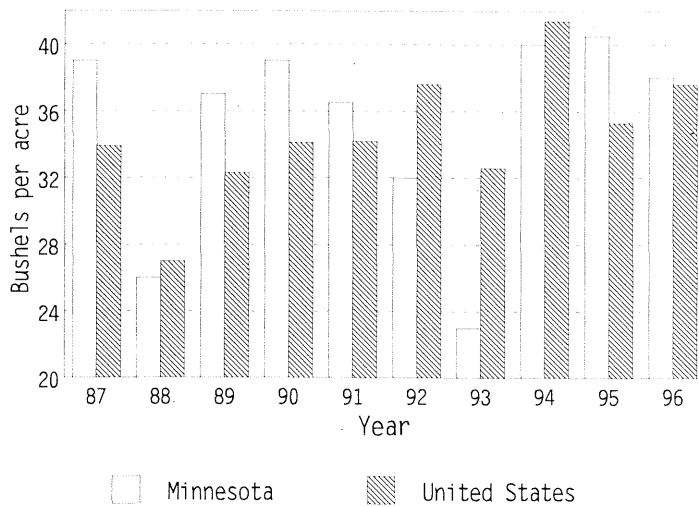
SPRING WHEAT YIELDS

Minnesota & United States



SOYBEAN YIELDS

Minnesota & United States



CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1992-96

Crop Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
Corn for Grain 2/						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	7,200	6,500	114.0	741,000	1.91	1,415,310
1993	6,300	4,600	70.0	322,000	2.26	727,720
1994	7,000	6,450	142.0	915,900	2.23	2,042,457
1995	6,700	6,150	119.0	731,850	3.14	2,298,009
1996	7,500	6,950	125.0	868,750	2.40	2,085,000
Corn for Silage						
	<u>1,000 Acres</u>		<u>Tons</u>	<u>1,000 Tons</u>		
1992	-----	500	12.0	6,000	-----	-----
1993	-----	775	8.5	6,588	-----	-----
1994	-----	450	13.0	5,850	-----	-----
1995	-----	450	12.0	5,400	-----	-----
1996	-----	475	13.0	6,175	-----	-----
Soybeans						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	5,500	5,400	32.0	172,800	5.52	953,856
1993	5,400	5,000	23.0	115,000	6.18	710,700
1994	5,700	5,600	40.0	224,000	5.37	1,202,880
1995	5,900	5,800	40.5	234,900	6.59	1,547,991
1996	5,950	5,900	38.0	224,200	6.75	1,513,350
Oats						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	700	500	70.0	35,000	1.27	44,450
1993	850	475	50.0	23,750	1.32	31,350
1994	575	450	55.0	24,750	1.15	28,463
1995	625	375	48.0	18,000	1.59	28,620
1996	320	270	56.0	15,120	1.75	26,460
Barley						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	700	675	75.0	50,625	1.82	92,138
1993	725	650	58.0	37,700	1.76	66,352
1994	650	600	50.0	30,000	1.81	54,300
1995	610	580	50.0	29,000	2.55	73,950
1996	550	520	64.0	33,280	2.40	79,872
Rye						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	30	24	30.0	720	2.06	1,483
1993	30	23	29.0	667	2.22	1,481
1994	40	30	27.0	810	2.15	1,742
1995	30	21	29.0	609	2.75	1,675
1996	25	20	24.0	480	3.10	1,488

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. Marketing year periods, by crop, are October-September for corn; September-August for soybeans; and July-June for oats, barley, and rye. Prices do not include allowance for CCC loans outstanding, purchases by the government, or deficiency payments. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

2/ Acreage planted to corn is for "all purposes."

--continued

CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1992-96 (continued)

Crop Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
All Wheat						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	2,860	2,805	49.9	139,860	3.17	442,855
1993	2,755	2,298	31.0	71,190	3.31	234,567
1994	2,653	2,548	28.0	71,348	3.33	237,594
1995	2,298	2,245	32.0	71,849	4.71	338,652
1996	2,595	2,442	41.9	102,382	4.20	439,819
Spring Wheat (Other than Durum)						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	2,800	2,750	50.0	137,500	3.17	435,875
1993	2,700	2,250	31.0	69,750	3.30	230,175
1994	2,600	2,500	28.0	70,000	3.33	233,100
1995	2,250	2,200	32.0	70,400	4.70	330,880
1996	2,550	2,400	42.0	100,800	4.30	433,440
Durum Wheat						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	10	10	47.0	470	3.19	1,499
1993	10	8	30.0	240	4.50	1,080
1994	13	11	25.0	275	3.62	996
1995	13	12	30.0	360	4.86	1,750
1996	10	10	43.0	430	3.85	1,656
Winter Wheat						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	50	45	42.0	1,890	2.90	5,481
1993	45	40	30.0	1,200	2.76	3,312
1994	40	37	29.0	1,073	3.26	3,498
1995	35	33	33.0	1,089	5.53	6,022
1996	35	32	36.0	1,152	4.10	4,723
Flaxseed						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1992	10	10	22.0	220	4.04	889
1993	15	10	17.0	170	4.44	755
1994	10	9	14.0	126	4.92	620
1995	10	9	19.0	171	5.10	872
1996	4	4	15.0	60	6.20	372
Sugarbeets						
	<u>1,000 Acres</u>		<u>Tons</u>	<u>1,000 Tons</u>	<u>Dols. Per Ton 2/</u>	<u>1,000 Dols. 2/</u>
1992	372	370	18.5	6,845	47.80	327,191
1993	390	379	14.1	5,344	40.90	218,570
1994	415	411	20.6	8,467	42.30	358,154
1995	427	420	17.7	7,434	38.00	282,492
1996	441	438	18.2	7,971	NA	NA

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. The marketing year period is July-June for wheat and flaxseed. The sugarbeet price relates to prices received by producers during the harvest period. Prices do not include allowance for CCC loans outstanding, purchases by the government or deficiency payments. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

2/ Excludes Sugar Act payments.

NA = Not Available.

--continued

CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1992-96 (continued)

Crop Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
All Sunflowers						
	<u>1,000 Acres</u>		<u>Pounds</u>	<u>1,000 Lbs.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1992	215	206	1,510	311,050	10.80	32,411
1993	390	340	1,124	382,000	14.10	52,638
1994	500	475	1,263	600,000	11.60	67,500
1995	440	433	1,052	455,430	11.80	52,496
1996	150	145	1,274	184,660	12.70	22,655
Oil Sunflowers						
	<u>1,000 Acres</u>		<u>Pounds</u>	<u>1,000 Lbs.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1992	170	165	1,500	247,500	9.86	24,404
1993	300	260	1,100	286,000	12.90	36,894
1994	390	375	1,300	487,500	10.80	52,650
1995	360	355	1,050	372,750	11.00	41,003
1996	100	97	1,300	126,100	11.00	13,871
Non-oil Sunflowers						
	<u>1,000 Acres</u>		<u>Pounds</u>	<u>1,000 Lbs.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1992	45	41	1,550	63,550	12.60	8,007
1993	90	80	1,200	96,000	16.40	15,744
1994	110	100	1,125	112,500	13.20	14,850
1995	80	78	1,060	82,680	13.90	11,493
1996	50	48	1,220	58,560	15.00	8,784
All Hay						
	<u>1,000 Acres</u>		<u>Tons</u>	<u>1,000 Tons</u>	<u>Dols. Per Ton</u>	<u>1,000 Dols.</u>
1992	-----	2,150	3.05	6,550	84.50	532,200
1993	-----	2,250	2.65	5,970	95.00	553,590
1994	-----	2,300	3.27	7,530	70.50	532,030
1995	-----	2,275	3.05	6,943	72.50	494,497
1996	-----	2,225	2.70	5,998	78.50	469,930
Alfalfa Hay						
	<u>1,000 Acres</u>		<u>Tons</u>	<u>1,000 Tons</u>	<u>Dols. Per Ton</u>	<u>1,000 Dols.</u>
1992	-----	1,500	3.50	5,250	88.00	462,000
1993	-----	1,600	3.00	4,800	99.00	475,200
1994	-----	1,600	3.70	5,920	76.00	449,920
1995	-----	1,425	3.50	4,988	81.50	406,522
1996	-----	1,475	3.10	4,573	85.00	388,705
All Other Hay						
	<u>1,000 Acres</u>		<u>Tons</u>	<u>1,000 Tons</u>	<u>Dols. Per Ton</u>	<u>1,000 Dols.</u>
1992	-----	650	2.00	1,300	54.00	70,200
1993	-----	650	1.80	1,170	67.00	78,390
1994	-----	700	2.30	1,610	51.00	82,110
1995	-----	850	2.30	1,955	45.00	87,975
1996	-----	750	1.90	1,425	57.00	81,225

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. Marketing years are September-August for sunflowers and June-May for hay. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

--continued

CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1992-96 (continued)

Crop Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
All Dry Edible Beans						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1992	100,000	97,000	1,460	1,416	20.60	29,170
1993	110,000	88,000	950	836	23.80	19,897
1994	135,000	121,600	1,710	2,079	21.50	44,699
1995	190,000	150,000	1,370	2,055	18.90	38,840
1996	130,000	120,000	1,500	1,800	25.60	46,080
Navy						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1992	38,000	35,800	1,380	494	-----	-----
1993	36,000	26,400	820	217	-----	-----
1994	45,200	41,100	1,650	678	-----	-----
1995	76,500	61,200	1,380	845	-----	-----
1996	46,000	42,900	1,470	631	-----	-----
Pinto						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1992	23,000	22,500	1,450	326	-----	-----
1993	27,000	22,800	860	196	-----	-----
1994	32,000	24,600	1,200	295	-----	-----
1995	46,900	35,000	1,240	433	-----	-----
1996	30,000	28,000	1,200	336	-----	-----
Cranberry 2/						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1993	3,200	2,900	970	28	-----	-----
1994	3,000	3,000	1,970	59	-----	-----
1995	3,700	3,500	1,260	44	-----	-----
1996	2,000	1,800	1,780	32	-----	-----
Light Red Kidney						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1992	7,000	7,000	1,700	119	-----	-----
1993	7,000	6,400	1,140	73	-----	-----
1994	9,600	9,400	2,180	205	-----	-----
1995	7,000	6,600	1,520	100	-----	-----
1996	8,000	7,400	1,910	141	-----	-----
Dark Red Kidney						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1992	26,000	25,700	1,500	386	-----	-----
1993	31,000	25,300	1,120	283	-----	-----
1994	35,600	34,600	2,000	692	-----	-----
1995	35,300	27,500	1,450	399	-----	-----
1996	32,000	29,000	1,700	493	-----	-----
Other Dry Edible Beans						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1992	6,000	6,000	1,520	91	-----	-----
1993	5,800	4,200	930	39	-----	-----
1994	9,600	8,900	1,690	150	-----	-----
1995	20,600	16,200	1,440	234	-----	-----
1996	12,000	10,900	1,530	167	-----	-----

1/ Marketing year average price received by farmers is based on monthly prices weighted by monthly marketings. Market year is September-August for dry beans. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

2/ Estimates began in 1993.

--continued

CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1992-96 (continued)

Crop Year	Acres	Acres	Yield Per	Production	Price	Farm Value Of
	Planted	Harvested	Harvested Acre		Per Unit 1/	Production
Sweet Corn for Processing						
	Acres		Tons	Tons	Dols. Per Ton	1,000 Dols.
1992	139,100	125,000	6.32	790,000	54.30	42,897
1993	121,700	109,300	3.85	420,810	67.00	28,194
1994	143,000	131,300	6.58	863,950	61.10	52,787
1995	133,900	116,400	5.77	671,630	72.00	48,357
1996	127,500	120,100	5.99	719,400	78.00	56,113
Green Peas for Processing						
	Acres		Tons	Tons	Dols. Per Ton	1,000 Dols.
1992	101,300	94,100	1.85	174,090	211.00	36,733
1993	54,000	44,800	1.06	47,490	269.00	12,775
1994	84,900	76,200	1.53	116,590	262.00	30,547
1995	92,900	85,400	1.26	107,600	305.00	32,818
1996	82,900	77,500	1.59	123,230	315.00	38,817
Onions						
	Acres		Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols. 2/
1992	1,100	950	300	285	8.61	2,170
1993	920	110	200	22	10.50	210
1994	860	760	410	312	5.70	1,596
1995	680	520	240	125	9.09	1,109
1996	530	520	220	114	8.00	888
Carrots for Fresh Market 3/						
	Acres		Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1992	----	----	----	124	12.40	1,538
1993	500	460	145	67	10.00	670
1994	620	620	275	170	14.90	2,533
1995	500	400	210	84	16.60	1,394
1996	900	540	230	124	12.50	1,550
Carrots for Processing 3/						
	Acres		Tons	Tons	Dols. Per Ton	1,000 Dols.
1992	----	----	----	31,190	68.90	2,149
1993	1,000	940	12.89	12,120	63.80	773
1994	1,300	1,300	16.11	20,940	60.50	1,267
1995	1,300	1,100	14.81	16,290	74.00	1,205
1996	1,100	860	17.27	14,850	106.00	1,574
Crop Year	Acres	Acres	Utilized	Production	Price	Farm Value
	Planted	Harvested			Per Unit	of Utilized
Commercial Apples						
			Mil. Lbs.		Cents Per Lb.	1,000 Dols.
1992	-----	-----	24.0		37.0	8,885
1993	-----	-----	19.7		32.9	6,486
1994	-----	-----	20.8		33.2	6,902
1995	-----	-----	18.8		40.3	7,580
1996	-----	-----	18.8		45.2	8,499

1/ Processing and Fresh market commodity prices are available only at harvest. Price for latest year shown is preliminary.

2/ Value computed on marketed production.

3/ Acreage planted, acreage harvested, and yield per harvested acre were published as dual usage until 1993.

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CROPS: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, MINNESOTA, 1992-96 (continued)

Crop Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
All Potatoes						
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1992	78,200	74,100	248	18,388	4.55	83,334
1993	77,200	62,100	238	14,780	5.65	83,614
1994	81,700	74,600	269	20,035	4.90	98,334
1995	83,000	77,000	270	20,790	5.25	109,148
1996	85,000	82,000	300	24,600	4.75	116,850

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings, July-June. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

POTATO STOCKS: ALL POSITIONS, MINNESOTA, 1992-97

Marketing Year	Dec 1	Jan 1	Feb 1	Mar 1	Apr 1	May 1
	<u>1,000 Cwt.</u>					
1992/93	12,000	10,500	8,800	7,100	5,100	2,600
1993/94	8,600	7,300	6,100	5,000	3,700	2,300
1994/95	12,500	10,800	9,400	8,000	6,000	4,100
1995/96	13,500	11,700	10,200	8,700	6,800	4,500
1996/97	16,500	14,900	13,200	11,500	9,000	6,500

**GRAIN STORAGE: CAPACITY BY STORAGE POSITION ON
DECEMBER 1, MINNESOTA, 1990-96**

Year	Off Farm 1/		On Farm Capacity	Total Capacity
	Facilities	Capacity		
	<u>Number</u>		<u>1,000 Bushels</u>	
1990	772	564,190	1,400,000	1,964,190
1991	763	541,070	1,350,000	1,891,070
1992	756	499,240	1,350,000	1,849,240
1993	716	489,860	1,325,000	1,814,860
1994	563	484,160	1,300,000	1,784,160
1995	545	488,500	1,250,000	1,738,500
1996	522	482,300	1,200,000	1,682,300

1/ Includes mills, elevators, warehouses, terminals, and processors.

OBJECTIVE YIELD: CORN, SOYBEANS, AND SPRING WHEAT, MINNESOTA, 1992-96

The Minnesota Agricultural Statistics Service conducts objective yield surveys in the state for corn, soybeans, and spring wheat. Randomly selected plots in fields across the state are visited monthly from August through harvest to obtain specific counts and measurements. Data in this table are rounded actual counts from these surveys and are not official estimates of the Agricultural Statistics Board, but are intended to show trends in production practices.

CORN FOR GRAIN: PLANT POPULATION PER ACRE 1/

Month	1992	1993	1994	1995	1996
	<u>Number of Plants</u>				
September	24,700	25,000	26,100	26,400	26,500
November	24,600	25,100	26,000	26,350	26,600

CORN FOR GRAIN: PERCENTAGE DISTRIBUTIONS BY ROW WIDTH AND AVERAGE ROW WIDTH

Year	Number of Samples	Row Width (Inches) 2/					Average Row Width
		20.6-30.5 3/	30.6-34.5	34.6-36.5	36.6-38.5	38.6 & Greater	
	<u>Number</u>	<u>Percent of Plots</u>					<u>Inches</u>
1992	188	59.5	12.8	9.0	14.4	4.3	31.9
1993	158	62.0	13.9	5.1	12.7	6.3	32.0
1994	168	61.3	15.5	7.7	9.5	6.0	31.7
1995	163	64.4	12.2	6.8	14.1	2.5	31.3
1996	165	60.6	13.9	13.9	7.9	3.7	31.8

SOYBEANS: PODS WITH BEANS PER 18 SQUARE FEET 1/

Month	1992	1993	1994	1995	1996
	<u>Number of Pods</u>				
September	1,431	1,037	1,678	1,613	1,543
November	1,367	1,106	1,496	1,501	1,487
Final	1,367	1,105	1,496	1,501	1,487

SOYBEANS: PERCENTAGE DISTRIBUTIONS BY ROW WIDTH AND AVERAGE ROW WIDTH

Year	Number of Samples	Row Width (Inches) 2/					Average Row Width
		10.0 & Less 4/	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	
	<u>Number</u>	<u>Percent of Plots</u>					<u>Inches</u>
1992	103	24.4	15.6	5.4	42.4	12.2	22.5
1993	103	29.6	14.6	1.9	49.0	4.9	21.3
1994	101	36.2	12.4	6.9	35.6	8.9	20.0
1995	98	25.0	14.3	9.7	46.4	4.6	21.6
1996	101	30.8	11.9	10.5	38.8	8.0	21.0

SPRING WHEAT: HEADS PER SQUARE FOOT 5/

Month	1992	1993	1994	1995	1996
	<u>Number of Heads</u>				
September	48.8	44.3	44.3	45.6	41.6
Final	48.4	45.3	43.9	45.6	41.6

1/ Based on stalk counts in plots selected for objective yield samples.

2/ Spacings based on row measurements in sample plots selected for objective yield survey.

3/ For 1992-1995 this column of data contains information for 30.5 inches or less.

4/ Broadcast soybeans included as 10.0 inches and less but excluded in computation of average width.

5/ Based on the number of heads counted in plots selected for the objective yield survey.

FLOWERS AND FOLIAGE PLANTS - 1996

The 1996 wholesale value of sales by commercial flower and foliage producers in Minnesota totaled \$47,681,000 compared with \$47,468,000 in 1995. A commercial operation is defined as having \$10,000 or more in annual gross sales of cut flowers, flowering and foliage plants, bedding plants, or cultivated florist greens. Data for "Total Quantity Sold" in the table below represents only those growers with \$100,000 or more in annual gross sales.

The wholesale value of cut flowers in 1996 totaled \$6,610,000, up 20% from the previous year. The wholesale value of potted flowering plants was \$11,417,000, down 8% from \$12,411,000 in 1995. Sales of foliage plants for indoor and patio use totaled \$1,142,000, down 13% from the previous year. Potted bedding and garden plant sales were up 1% to \$28,512,000.

FLORICULTURE: FLOWERING PLANTS, BEDDING PLANTS, AND FOLIAGE PLANTS, MINNESOTA, 1995-96

Item	Producers		Total Quantity Sold				
	1995	1996	Units	1995	1996	Intended 1997	1997 As A Percent 1996
	Number			1,000 Units			Percent
<u>Potted Flowering Plants:</u>							
African Violets	11	10	Pots	85	102	96	94
Chrysanthemums	18	20	Pots	314	331	318	96
Cyclamens	20	21	Pots	90	159	183	115
Finished Florist Azaleas	19	20	Pots	202	234	230	98
Kalanchoes	5	7	Pots	30	51	62	122
Easter Lilies	28	31	Pots	281	276	307	111
Poinsettias	54	52	Pots	1,093	1,011	1,073	106
Other Flowering Plants	24	26	Pots	596	408	426	104
<u>Bedding Garden Plants:</u>							
Hardy/Garden Chrysanthemums	50	62	Pots	657	745	739	99
Geraniums (Cuttings)	68	69	Pots	1,911	1,573	1,595	101
Geraniums (Seeds)	41	34	Pots	1,731	1,382	1,308	95
Impatiens	23	27	Pots	49	51	58	114
New Guinea Impatiens	50	58	Pots	268	302	312	103
Petunias	19	22	Pots	58	46	60	130
Other Potted Flowering and Foliage Type	54	57	Pots	1,086	1,558	1,610	103
Vegetable Type	37	44	Pots	390	533	525	98
Geraniums	16	23	Flats	74	60	52	87
Impatiens	53	61	Flats	178	220	240	109
New Guinea Impatiens	10	17	Flats	10	17	18	106
Petunias	55	65	Flats	181	237	258	109
Other Flowering and Foliage Type	63	66	Flats	1,047	907	1,020	112
Vegetable Type	61	64	Flats	234	146	155	106
<u>Foliage For Indoor Or Patio:</u>							
Geraniums Hanging Baskets	56	71	Baskets	124	190	204	107
Impatiens Hanging Baskets	55	66	Baskets	82	102	104	102
New Guinea Impatiens Hanging Baskets	49	60	Baskets	95	123	127	103
Petunias Hanging Baskets	43	54	Baskets	24	31	32	103
Foliage Hanging Baskets	17	20	Baskets	135	102	102	100
Other Flowering Hanging Baskets	73	75	Baskets	374	409	448	110

FLORICULTURE: CUT FLOWERS AND POTTED FOLIAGE, MINNESOTA, 1995-96

Item	Producers		Area For Production			
	1995	1996	1995	1996	Intended 1997	1997 As A Percent Of 1996
	Number			1,000 Square Feet		Percent
Other Cut Flowers	10	11	115	264	259	98
Potted Foliage	12	14	133	153	146	95

1995 CORN CHEMICAL USAGE

Nitrogen was applied to 97% of the total 1995 corn acreage in the 17 states surveyed. All of the major producing states had at least 90% or more of the acreage treated. Growers used an average of 1.7 applications per acre applying 74 pounds per treatment. In the states surveyed, 81% of the planted corn acreage received phosphates. Potash fertilizer was applied to 70% of the corn acreage.

Herbicides were applied to 96% of the total corn acreage in 1995, while insecticides were used on 27% of the acreage. Atrazine was the most used herbicide with 65% of the reported acreage being treated. Atrazine was applied at a rate of 0.98 pound per acre on the average. Metolachlor and Dicamba were the next two most widely used herbicides, and they were applied to 29% and 27% of the acreage, respectively. Acetochlor usage has increased substantially since being approved by EPA, going from 7% coverage in 1994 to 20% this year in the 10 comparable states. Chlorpyrifos and Terbufos were the most used insecticides, and they were applied to 7% and 6% of the acreage, respectively.

CORN: ACREAGE, PERCENT RECEIVING CHEMICALS, NUMBER OF APPLICATIONS, RATES PER APPLICATION, SELECTED STATES, 1995

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Insecticide
		Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Area Applied 1/
	1,000 Acres	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Percent
IA	11,700	97	1.5	78	77	1.1	56	76	1.1	68	99	28
MN	6,700	96	1.7	70	87	1.1	47	85	1.1	59	98	6
WI	3,650	97	1.7	47	94	1.0	42	92	1.1	57	96	25
SD	2,800	90	1.4	56	72	1.0	34	29	1.0	19	92	7
TOTAL 2/	64,105	97	1.7	74	81	1.1	52	70	1.1	72	96	27

1/ Refers to acres receiving one or more applications of a specific chemical.

2/ Refers to 17 major corn states including: DE, GA, IL, IN, IA, KS, KY, MI, MN, MO, NE, NC, OH, PA, SD, TX, and WI.

CORN: FREQUENCY AND EXTENT OF CHEMICAL USAGE BY ACTIVE INGREDIENT, MINNESOTA, 1995

Active Ingredient	Area Applied 1/	Applications	Rate per Application	Rate per year	Total Applied
	Percent	Number	Pounds	Pounds	1,000 Pounds
HERBICIDES:					
2,4-D	10	1.1	0.48	0.54	357
Acetochlor	27	1.0	1.89	1.93	3,532
Alachlor	7	1.0	2.19	2.19	1,024
Atrazine	37	1.0	0.79	0.79	1,927
Bromoxynil	12	1.0	0.26	0.26	209
Cyanazine	15	1.0	1.66	1.66	1,678
Dicamba	56	1.0	0.34	0.35	1,308
Dimethenamid	10	1.0	1.09	1.09	721
EPTC	6	1.0	4.20	4.20	1,634
Metolachlor	16	1.0	2.37	2.37	2,586
Nicosulfuron	20	1.0	0.03	0.03	36

1/ Refers to acres receiving one or more applications of a specific chemical.

Note: 1996 numbers were not available at time of publication.

1995 SOYBEAN CHEMICAL USAGE

Nitrogen was applied to 17% of the total 1995 soybean acreage in the 14 states surveyed. The acres treated in Minnesota were 15% of the state's total. Growers used an average of 1.1 treatments per acre and used an average of 32 pounds per treatment. In the states surveyed, 22% of the soybean acreage received phosphate fertilizer. Potash fertilizer was applied to 25% of the soybean acreage.

Herbicides were applied to 97% of the total soybean acreage in the 14 states surveyed. Imazethapyr was applied to 44% of the acreage, with pendimethalin and glyphosate applied to 26% and 20% of the acreage respectively. Although growers in nine of the 14 states surveyed reported applications of insecticides, there were too few reports to publish individual state data. Growers in only two out of the 14 states reported fungicide applications.

SOYBEAN: ACREAGE, PERCENT RECEIVING CHEMICALS, NUMBER OF APPLICATIONS, RATES PER APPLICATION, SELECTED STATES, 1995

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Insecticide
		Area Applied 1/	Applications	Rate per Application	Area Applied 1/	Applications	Rate per Application	Area Applied 1/	Applications	Rate per Application	Area Applied 1/	Area Applied 1/
	1,000 Acres	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Percent
IA	9,300	10	1.0	28	11	1.0	41	12	1.0	64	100	*
MN	5,900	15	1.1	18	15	1.1	47	17	1.1	67	99	*
IL	9,750	17	1.0	24	26	1.0	72	31	1.0	107	98	*
IN	5,000	16	1.1	19	21	1.0	43	34	1.0	106	99	*
TOTAL 2/	51,840	17	1.1	27	22	1.0	53	25	1.0	82	97	2

* Applied on less than one percent of the acres.

1/ Refers to acres receiving one or more applications of a specific chemical.

2/ Refers to 14 major soybean states including: AR, GA, IL, IN, IA, KY, LA, MN, MS, MO, NE, NC, OH, and TN.

SOYBEANS: FREQUENCY AND EXTENT OF CHEMICAL USAGE BY ACTIVE INGREDIENT, MINNESOTA, 1995

Active Ingredient	Area Applied 1/	Applications	Rate per Application	Rate per year	Total Applied
	Percent	Number	Pounds	Pounds	1,000 Pounds
HERBICIDES:					
Bentazon	17	1.0	0.77	0.77	784
Chlorimuron-ethyl	5	1.0	0.007	0.007	2
Clethodim	5	1.0	0.08	0.08	25
Fenoxaprop-ethyl	10	1.0	0.13	0.13	78
Fluazifop-P-butyl	11	1.0	0.04	0.04	30
Glyphosate	7	1.0	0.38	0.38	161
Imazethapyr	79	1.0	0.05	0.06	263
Lactofen	7	1.0	0.06	0.06	24
Pendimethalin	21	1.0	1.23	1.23	1,551
Sethoxydim	6	1.0	0.18	0.18	66
Thifensulfuron	28	1.0	0.002	0.002	3
Trifluralin	35	1.0	0.77	0.77	1,581

1/ Refers to acres receiving one or more applications of a specific chemical.

Note: 1996 numbers were not available at time of publication.

1995 SPRING WHEAT CHEMICAL USAGE

The four survey states totaled 15.8 million planted acres in 1995, which was 93% of the total U.S. planted acreage. Primary fertilizer area application percentages in the four states sampled for spring wheat (other than durum) were about the same as in 1994. Nitrogen was applied to 87% of the total 1995 spring wheat acreage in the four states surveyed. All of the major producing states had at least 78% or more of the acreage treated. Growers used an average of 1.5 applications per acre applying 40 pounds per treatment. In the states surveyed, 78% of the planted spring wheat acreage received phosphates. Potash fertilizer was applied to 23% of the spring wheat acreage.

Herbicides were applied to 94% of the total spring wheat acreage in the four states in 1995. 2,4-D was applied to 54% of the acreage, with MCPA and Dicamba applied to 39% and 30% of the acreage respectively. Only Minnesota reported any insecticide application, but there were too few reports to publish application data. Two of the four states reported fungicide applications covering 3% of the total spring wheat planted acreage.

SPRING WHEAT: ACREAGE, PERCENT RECEIVING CHEMICALS, NUMBER OF APPLICATIONS, RATES PER APPLICATION, MAJOR STATES, 1995

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Fungicide
		Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Appli-cations	Rate per Appli-cation	Area Applied 1/	Area Applied 1/
	1,000 Acres	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Percent
MN	2,250	95	1.6	52	90	1.0	36	72	1.0	25	97	*
MT	3,950	78	1.3	30	72	1.0	23	17	1.0	16	90	*
ND	8,300	88	1.6	40	80	1.0	29	14	1.1	13	94	*
SD	1,250	95	1.3	38	68	1.0	26	12	1.0	15	97	*
TOTAL	15,750	87	1.5	40	78	1.0	28	23	1.0	19	94	3

* Applied on less than one percent of the acres.

1/ Refers to acres receiving one or more applications of a specific chemical.

SPRING WHEAT: FREQUENCY AND EXTENT OF CHEMICAL USAGE BY ACTIVE INGREDIENT, MINNESOTA, 1995

Active Ingredient	Area Applied 1/	Applications	Rate per Application	Rate per year	Total Applied
	Percent	Number	Pounds	Pounds	1,000 Pounds
HERBICIDES:					
2,4-D	35	1.1	0.34	0.37	288
Bromoxynil	24	1.0	0.25	0.25	136
Clopyralid	14	1.0	0.10	0.10	31
Fenoxaprop-ethyl	33	1.0	0.08	0.08	62
Imazamethabenz	22	1.0	0.38	0.38	191
MCPA	62	1.1	0.31	0.34	469
Thifensulfuron	44	1.1	0.01	0.01	12
Tribenuron-methyl	46	1.1	0.006	0.006	6

1/ Refers to acres receiving one or more applications of a specific chemical.

Note: 1996 numbers were not available at time of publication.

**CORN: ACREAGE PLANTED FOR ALL PURPOSES, HARVESTED FOR GRAIN, YIELD, AND PRODUCTION,
BY COUNTY AND DISTRICT, MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	23,700	26,600	17,200	16,500	88.0	91.0	1,513,600	1,501,500
Clay	35,800	40,000	31,200	37,600	86.0	97.0	2,683,200	3,647,200
Clearwater	3,800	4,300	2,900	2,500	91.0	87.0	263,900	217,500
Kittson	3,100	3,800	1,100	1,500	77.0	57.0	84,700	85,500
Mahnomen	6,900	8,600	5,100	7,400	84.0	103.0	428,400	762,200
Marshall	7,900	6,900	5,200	5,800	86.0	68.0	447,200	394,400
Norman	16,400	20,000	12,400	17,300	86.0	95.0	1,066,400	1,643,500
Pennington	3,000	1,700	2,200	900	84.0	60.0	184,800	54,000
Polk	22,100	32,200	17,100	28,700	88.0	86.0	1,504,800	2,468,200
Red Lake	9,400	7,600	6,200	6,100	88.0	88.0	545,600	536,800
Roseau	5,700	6,500	3,000	2,000	81.0	88.0	243,000	176,000
Northwest	137,800	158,200	103,600	126,300	86.5	90.9	8,965,600	11,486,800
Beltrami	5,000	4,200	2,100	2,400	83.0	74.0	174,300	177,600
Cass	8,500	10,200	1,800	6,900	87.0	90.0	156,600	621,000
Hubbard	10,700	13,600	9,500	11,800	93.0	85.0	883,500	1,003,000
Other Counties	1,900	1,300	300	500	79.0	93.6	23,700	46,800
North Central	26,100	29,300	13,700	21,600	90.4	85.6	1,238,100	1,848,400
Other Counties	--	500	--	500	--	115.0	--	57,500
Northeast	--	500	--	500	--	115.0	--	57,500
Big Stone	61,400	67,900	58,100	66,600	99.0	111.0	5,751,900	7,392,600
Chippewa	122,800	133,800	120,800	131,800	114.0	130.0	13,771,200	17,134,000
Douglas	53,900	57,100	38,700	44,000	98.0	90.0	3,792,600	3,960,000
Grant	53,000	60,600	49,300	58,100	105.0	112.0	5,176,500	6,507,200
Lac Qui Parle	119,800	138,800	115,400	135,800	107.0	120.0	12,347,800	16,296,000
Otter Tail	153,900	168,000	114,100	131,700	94.0	95.0	10,725,400	12,511,500
Pope	88,100	94,100	76,100	83,400	103.0	110.0	7,838,300	9,174,000
Stevens	108,700	121,800	104,200	115,100	102.0	123.0	10,628,400	14,157,300
Swift	145,600	156,100	138,300	151,800	110.0	122.0	15,213,000	18,519,600
Traverse	60,200	76,000	58,200	74,800	101.0	118.0	5,878,200	8,826,400
Wilkin	30,700	36,700	29,400	36,100	97.0	111.0	2,851,800	4,007,100
Yellow Medicine	155,400	177,700	149,400	173,300	113.0	128.0	16,882,200	22,182,400
West Central	1,153,500	1,288,600	1,052,000	1,202,500	105.4	117.0	110,857,300	140,668,100
Benton	63,100	71,000	49,800	58,700	116.0	96.0	5,776,800	5,635,200
Carver	59,400	62,400	53,500	55,300	132.0	132.0	7,062,000	7,299,600
Kandiyohi	138,800	151,400	128,700	145,200	124.0	121.0	15,958,800	17,569,200
McLeod	88,500	90,500	83,000	85,100	133.0	133.0	11,039,000	11,318,300
Meeker	111,200	118,700	101,900	109,000	122.0	120.0	12,431,800	13,080,000
Morrison	101,500	105,800	69,600	77,000	106.0	77.0	7,377,600	5,929,000
Renville	221,100	245,500	213,200	242,000	127.0	140.0	27,076,400	33,880,000
Scott	37,600	42,600	33,500	37,100	134.0	120.0	4,489,000	4,452,000
Sherburne	28,600	34,000	24,700	30,200	117.0	112.0	2,889,900	3,382,400
Sibley	120,500	135,900	115,500	128,000	131.0	139.0	15,130,500	17,792,000
Stearns	231,500	240,800	176,800	190,700	111.0	107.0	19,624,800	20,404,900
Todd	89,100	95,100	62,900	69,600	97.0	88.0	6,101,300	6,124,800
Wadena	27,700	29,200	20,100	21,600	91.0	90.0	1,829,100	1,944,000
Wright	78,400	86,800	72,100	74,900	120.0	114.0	8,652,000	8,538,600
Central	1,397,000	1,509,700	1,205,300	1,324,400	120.7	118.8	145,439,000	157,350,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.
Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

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**CORN: ACREAGE PLANTED FOR ALL PURPOSES, HARVESTED FOR GRAIN, YIELD, AND PRODUCTION,
BY COUNTY AND DISTRICT, MINNESOTA, 1995-96 (continued)**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Anoka	11,800	12,400	10,500	10,800	109.0	92.0	1,144,500	993,600
Carlton	1,400	1,400	400	400	97.0	75.0	38,800	30,000
Chisago	30,800	33,900	24,500	28,100	101.0	96.0	2,474,500	2,697,600
Crow Wing	9,500	11,200	7,300	8,200	79.0	87.0	576,700	713,400
Hennepin	18,200	21,600	16,200	19,600	123.0	114.0	1,992,600	2,234,400
Isanti	41,300	45,700	38,800	42,200	104.0	87.0	4,035,200	3,671,400
Kanabec	20,000	20,800	16,400	15,700	97.0	56.0	1,590,800	879,200
Mille Lacs	25,400	31,400	19,600	24,600	91.0	84.0	1,783,600	2,066,400
Pine	25,100	27,000	18,200	16,800	98.0	77.0	1,783,600	1,293,600
Washington	22,800	24,100	20,700	22,800	124.0	116.0	2,566,800	2,644,800
Other Counties	800	1,500	200	500	96.0	89.4	19,200	44,700
<u>East Central</u>	207,100	231,000	172,800	189,700	104.2	91.0	18,006,300	17,269,100
Cottonwood	154,700	178,100	146,400	170,300	117.0	127.0	17,128,800	21,628,100
Jackson	169,400	195,700	163,300	190,100	123.0	140.0	20,085,900	26,614,000
Lincoln	74,200	87,200	67,100	79,800	101.0	108.0	6,777,100	8,618,400
Lyon	159,900	189,700	151,400	183,100	109.0	124.0	16,502,600	22,704,400
Murray	157,900	192,600	149,700	183,500	111.0	115.0	16,616,700	21,102,500
Nobles	186,000	214,500	178,000	205,900	115.0	124.0	20,470,000	25,531,600
Pipestone	96,200	114,000	90,100	107,200	104.0	115.0	9,370,400	12,328,000
Redwood	208,700	238,200	199,800	231,900	121.0	137.0	24,175,800	31,770,300
Rock	124,700	142,900	117,200	138,300	110.0	124.0	12,892,000	17,149,200
<u>Southwest</u>	1,331,700	1,552,900	1,263,000	1,490,100	114.0	125.8	144,019,300	187,446,500
Blue Earth	165,600	188,400	161,900	184,100	129.0	140.0	20,885,100	25,774,000
Brown	137,000	155,000	130,800	148,600	128.0	143.0	16,742,400	21,249,800
Faribault	187,100	219,400	182,800	215,400	136.0	140.0	24,860,800	30,156,000
Freeborn	175,900	192,500	170,600	187,700	131.0	134.0	22,348,600	25,151,800
Le Sueur	79,900	89,400	77,400	85,900	136.0	129.0	10,526,400	11,081,100
Martin	201,600	228,500	197,500	222,300	135.0	148.0	26,662,500	32,900,400
Nicollet	104,400	119,200	100,200	113,900	140.0	147.0	14,028,000	16,743,300
Rice	80,200	86,700	74,500	80,500	129.0	128.0	9,610,500	10,304,000
Steele	106,600	116,000	103,300	111,000	128.0	133.0	13,222,400	14,763,000
Waseca	114,700	125,500	112,700	122,800	128.0	134.0	14,425,600	16,455,200
Watonwan	114,700	131,100	112,500	127,900	128.0	143.0	14,400,000	18,289,700
<u>South Central</u>	1,467,700	1,651,700	1,424,200	1,600,100	131.8	139.3	187,712,300	222,868,300
Dakota	85,700	99,700	79,700	90,700	135.0	130.0	10,759,500	11,791,000
Dodge	105,800	113,100	100,500	108,200	131.0	125.0	13,165,500	13,525,000
Fillmore	147,900	162,800	141,800	147,100	123.0	125.0	17,441,400	18,387,500
Goodhue	134,400	149,000	124,500	136,500	126.0	131.0	15,687,000	17,881,500
Houston	63,800	66,400	57,400	58,600	114.0	136.0	6,543,600	7,969,600
Mower	172,200	195,100	166,200	190,800	128.0	131.0	21,273,600	24,994,800
Olmsted	109,700	117,400	102,900	108,600	123.0	126.0	12,656,700	13,683,600
Wabasha	77,600	86,700	69,700	78,000	127.0	138.0	8,851,900	10,764,000
Winona	82,000	87,900	72,700	76,300	127.0	141.0	9,232,900	10,758,300
<u>Southeast</u>	979,100	1,078,100	915,400	994,800	126.3	130.4	115,612,100	129,755,300
<u>Minnesota</u>	6,700,000	7,500,000	6,150,000	6,950,000	119.0	125.0	731,850,000	868,750,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1995-96

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Becker	6,200	9,600	9.3	10.6	57,700	101,800
Clay	3,200	1,800	10.9	10.4	34,900	18,700
Clearwater	500	1,600	6.4	9.2	3,200	14,700
Kittson	1,500	1,800	9.4	5.5	14,100	9,900
Mahnomen	1,500	1,100	9.5	9.6	14,300	10,600
Marshall	2,400	1,000	5.9	8.7	14,200	8,700
Norman	3,800	2,400	11.1	10.5	42,200	25,200
Pennington	500	800	10.8	8.6	5,400	6,900
Polk	4,600	2,700	11.6	9.5	53,400	25,600
Red Lake	3,000	1,400	9.1	8.1	27,300	11,300
Roseau	2,100	4,400	8.9	9.2	18,700	40,500
Northwest	29,300	28,600	9.7	9.6	285,400	273,900
Beltrami	2,500	1,700	8.4	9.9	21,000	16,800
Cass	5,900	3,200	9.5	10.0	56,100	32,000
Hubbard	700	1,600	6.1	8.2	4,300	13,100
Other Counties	1,100	800	6.8	8.6	7,500	6,900
North Central	10,200	7,300	8.7	9.4	88,900	68,800
Big Stone	2,500	500	10.6	12.0	26,500	6,000
Chippewa	800	900	12.1	10.2	9,700	9,200
Douglas	12,500	12,800	9.1	11.5	113,800	147,200
Grant	3,100	2,000	11.2	14.2	34,700	28,400
Lac Qui Parle	3,000	1,900	12.1	10.5	36,300	19,900
Otter Tail	38,200	33,100	10.4	10.7	397,300	354,200
Pope	11,000	10,100	11.9	11.9	130,900	120,200
Stevens	3,200	5,100	12.1	15.1	38,700	77,000
Swift	2,300	3,200	11.4	12.0	26,200	38,400
Traverse	1,200	700	8.1	14.9	9,700	10,400
Wilkin	900	400	7.8	10.5	7,000	4,200
Yellow Medicine	4,200	2,500	11.6	13.4	48,700	33,500
West Central	82,900	73,200	10.6	11.6	879,500	848,600
Benton	12,600	11,700	11.1	11.9	139,900	139,200
Carver	5,000	6,700	15.7	15.6	78,500	104,400
Kandiyohi	8,500	4,700	12.8	15.9	108,800	74,700
McLeod	4,400	4,700	15.2	16.2	66,900	76,100
Meeker	8,100	8,800	14.1	12.7	114,200	111,800
Morrison	29,900	27,300	10.4	10.0	311,000	273,000
Renville	4,500	1,800	12.1	11.2	54,500	20,200
Scott	3,100	5,200	13.8	10.4	42,800	54,100
Sherburne	3,500	3,600	14.4	11.8	50,400	42,500
Sibley	3,700	6,300	15.8	19.6	58,500	123,500
Stearns	51,900	48,300	10.8	12.6	560,100	608,600
Todd	24,500	24,000	10.3	11.7	252,400	280,800
Wadena	6,600	7,100	8.5	9.6	56,100	68,200
Wright	5,500	11,200	12.9	10.7	71,000	119,800
Central	171,800	171,400	11.4	12.2	1,965,100	2,096,900

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CORN FOR SILAGE: ACREAGE HARVESTED, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1995-96 (continued)

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Anoka	900	1,400	8.6	10.2	7,700	14,300
Carlton	700	1,000	7.1	10.6	5,000	10,600
Chisago	2,900	5,500	9.0	11.9	26,100	65,500
Crow Wing	1,900	2,800	10.1	10.9	19,200	30,500
Hennepin	1,500	1,500	13.2	11.2	19,800	16,800
Isanti	1,700	2,900	9.2	10.8	15,600	31,300
Kanabec	3,000	4,700	11.0	9.0	33,000	42,300
Mille Lacs	5,200	6,200	11.8	12.5	61,400	77,500
Pine	5,700	9,900	9.4	10.6	53,600	105,100
Washington	1,800	1,100	9.7	11.4	17,500	12,500
Other Counties	500	900	9.8	11.7	4,900	10,500
<u>East Central</u>	25,800	37,900	10.2	11.0	263,800	416,900
Cottonwood	6,100	6,200	15.5	13.1	94,600	81,200
Jackson	5,700	3,000	17.3	19.3	98,600	57,900
Lincoln	5,200	6,500	8.0	9.8	41,600	63,700
Lyon	6,500	4,900	15.0	13.0	97,500	63,700
Murray	6,400	5,000	10.7	11.1	68,500	55,500
Nobles	4,400	5,900	14.8	13.5	65,100	79,600
Pipestone	5,000	6,000	11.5	12.0	57,500	72,000
Redwood	6,100	4,500	15.3	14.9	93,300	67,100
Rock	5,000	3,500	11.3	18.9	56,500	66,200
<u>Southwest</u>	50,400	45,500	13.4	13.3	673,200	606,900
Blue Earth	1,700	1,900	18.7	14.8	31,800	28,100
Brown	4,600	5,200	16.1	14.2	74,100	73,800
Faribault	900	2,500	18.1	20.2	16,300	50,500
Freeborn	3,500	3,500	17.8	18.0	62,300	63,000
Le Sueur	2,400	2,700	17.7	17.3	42,500	46,700
Martin	2,000	4,000	17.5	19.8	35,000	79,200
Nicollet	3,100	3,700	15.2	18.5	47,100	68,500
Rice	4,800	5,500	17.3	16.3	83,000	89,700
Steele	2,200	4,200	13.3	15.8	29,300	66,400
Waseca	800	1,900	17.8	14.8	14,200	28,100
Watsonwan	1,100	1,800	12.3	18.9	13,500	34,000
<u>South Central</u>	27,100	36,900	16.6	17.0	449,100	628,000
Dakota	5,100	7,900	13.9	19.4	70,900	153,300
Dodge	3,700	4,200	17.9	16.2	66,200	68,000
Fillmore	4,500	14,600	13.5	13.3	60,800	194,200
Goodhue	8,500	11,300	16.9	18.2	143,700	205,700
Houston	5,700	7,100	15.6	19.2	88,900	136,300
Mower	4,000	2,800	18.3	18.1	73,200	50,700
Olmsted	5,600	7,800	14.4	16.4	80,600	127,900
Wabasha	7,000	7,800	13.9	16.1	97,300	125,600
Winona	8,400	10,700	13.5	16.2	113,400	173,300
<u>Southeast</u>	52,500	74,200	15.1	16.6	795,000	1,235,000
<u>Minnesota</u>	450,000	475,000	12.0	13.0	5,400,000	6,175,000

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**SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production,	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Bushels		Bushels	
Becker	40,500	49,300	39,900	49,200	31.0	30.0	1,236,900	1,476,000
Clay	71,000	79,300	69,900	78,400	31.0	30.0	2,166,900	2,352,000
Kittson	--	1,600	--	1,600	--	18.0	--	28,800
Mahnomen	13,500	24,300	12,600	24,300	31.0	34.0	390,600	826,200
Marshall	6,300	12,700	6,300	12,700	27.0	29.0	170,100	368,300
Norman	55,400	80,000	54,000	79,000	30.0	29.0	1,620,000	2,291,000
Pennington	--	2,500	--	2,400	--	25.0	--	60,000
Polk	35,500	71,700	35,000	71,600	30.0	28.0	1,050,000	2,004,800
Red Lake	6,000	13,800	5,900	13,800	25.0	25.0	147,500	345,000
Roseau	1,000	--	900	--	30.0	--	27,000	--
Other Counties	1,300	1,500	1,300	1,500	31.0	30.0	40,300	45,000
Northwest	230,500	336,700	225,800	334,500	30.3	29.3	6,849,300	9,797,100
Big Stone	100,700	104,500	98,600	103,600	29.0	32.0	2,859,400	3,315,200
Chippewa	135,200	137,700	133,200	136,300	37.0	37.0	4,928,400	5,043,100
Douglas	39,900	44,900	39,200	44,600	34.0	30.0	1,332,800	1,338,000
Grant	105,100	112,900	103,500	111,800	38.0	35.0	3,933,000	3,913,000
Lac Qui Parle	182,100	183,000	179,600	181,200	33.0	34.0	5,926,800	6,160,800
Otter Tail	70,800	77,600	69,500	77,200	38.0	32.0	2,641,000	2,470,400
Pope	67,700	72,700	66,800	72,000	38.0	33.0	2,538,400	2,376,000
Stevens	121,800	132,600	119,900	131,300	39.0	34.0	4,676,100	4,464,200
Swift	147,700	160,300	139,900	159,100	32.0	36.0	4,476,800	5,727,600
Traverse	129,600	135,600	127,500	134,300	34.0	33.0	4,335,000	4,431,900
Wilkin	114,700	121,100	113,300	120,600	30.0	30.0	3,399,000	3,618,000
Yellow Medicine	195,100	178,000	192,800	175,800	36.0	38.0	6,940,800	6,680,400
West Central	1,410,400	1,460,900	1,383,800	1,447,800	34.7	34.2	47,987,500	49,538,600
Benton	13,300	14,200	13,100	14,000	34.0	27.0	445,400	378,000
Carver	32,400	33,600	32,000	33,400	44.0	41.0	1,408,000	1,369,400
Kandiyohi	105,700	109,600	104,500	109,100	42.0	36.0	4,389,000	3,927,600
McLeod	92,000	80,800	91,000	80,400	44.0	38.0	4,004,000	3,055,200
Meeker	95,200	97,600	94,000	97,200	39.0	35.0	3,666,000	3,402,000
Renville	239,600	231,800	236,700	230,500	44.0	41.0	10,414,800	9,450,500
Scott	27,700	30,200	27,400	30,000	43.0	39.0	1,178,200	1,170,000
Sherburne	11,700	13,000	11,500	12,900	31.0	27.0	356,500	348,300
Sibley	123,700	119,100	122,000	118,000	47.0	43.0	5,734,000	5,074,000
Stearns	53,600	61,800	52,600	61,500	37.0	32.0	1,946,200	1,968,000
Todd	9,700	13,000	9,600	12,800	32.0	25.0	307,200	320,000
Wright	60,000	60,700	58,500	60,400	39.0	34.0	2,281,500	2,053,600
Other Counties	4,200	5,200	4,000	5,100	37.0	22.0	147,800	112,200
Central	868,800	870,600	856,900	865,300	42.3	37.7	36,278,600	32,628,800
Aitkin	1,800	1,600	1,600	1,500	33.0	28.0	52,800	42,000
Anoka	3,900	4,300	3,800	4,200	33.0	20.0	125,400	84,000
Chisago	13,700	15,700	13,200	15,600	28.0	21.0	369,600	327,600
Hennepin	11,700	12,600	11,500	12,500	40.0	36.0	460,000	450,000
Isanti	22,300	21,700	22,000	21,600	33.0	21.0	726,000	453,600
Kanabec	4,700	4,700	4,600	4,600	31.0	20.0	142,600	92,000
Mille Lacs	7,500	7,600	7,300	7,500	33.0	29.0	240,900	217,500
Pine	4,800	5,400	4,300	5,200	34.0	23.0	146,200	119,600
Washington	13,500	13,600	13,200	13,500	41.0	34.0	541,200	459,000
Other Counties	300	700	300	700	31.0	34.0	9,300	23,800
East Central	84,200	87,900	81,800	86,900	34.4	26.1	2,814,000	2,269,100

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**SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96 (continued)**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Bushels		Bushels	
Cottonwood	173,100	160,000	171,200	158,500	43.0	43.0	7,361,600	6,815,500
Jackson	185,600	170,100	181,300	168,200	42.0	43.0	7,614,600	7,232,600
Lincoln	84,600	79,400	82,500	78,000	31.0	32.0	2,557,500	2,496,000
Lyon	176,500	160,200	173,900	158,900	37.0	40.0	6,434,300	6,356,000
Murray	182,700	166,100	179,700	163,600	40.0	38.0	7,188,000	6,216,800
Nobles	193,400	186,500	188,800	184,600	41.0	40.0	7,740,800	7,384,000
Pipestone	97,500	90,300	95,200	89,600	35.0	36.0	3,332,000	3,225,600
Redwood	236,600	223,200	233,100	221,600	43.0	43.0	10,023,300	9,528,800
Rock	115,600	110,800	112,900	110,400	41.0	42.0	4,628,900	4,636,800
Southwest	1,445,600	1,346,600	1,418,600	1,333,400	40.1	40.4	56,881,000	53,892,100
Blue Earth	176,800	170,400	175,700	168,500	43.0	42.0	7,555,100	7,077,000
Brown	138,100	134,400	136,200	133,400	44.0	44.0	5,992,800	5,869,600
Faribault	164,500	151,000	162,000	149,000	46.0	43.0	7,452,000	6,407,000
Freeborn	139,600	144,400	138,100	143,600	46.0	42.0	6,352,600	6,031,200
Le Sueur	76,400	75,100	75,600	74,400	46.0	39.0	3,477,600	2,901,600
Martin	195,800	183,500	191,500	182,200	46.0	43.0	8,809,000	7,834,600
Nicollet	103,200	99,000	101,800	97,700	48.0	42.0	4,886,400	4,103,400
Rice	46,300	50,600	45,800	50,200	47.0	39.0	2,152,600	1,957,800
Steele	77,600	82,000	75,700	81,300	46.0	39.0	3,482,200	3,170,700
Waseca	91,900	93,200	90,200	92,500	45.0	41.0	4,059,000	3,792,500
Watsonwan	120,100	112,900	117,900	111,300	46.0	43.0	5,423,400	4,785,900
South Central	1,330,300	1,296,500	1,310,500	1,284,100	45.5	42.0	59,642,700	53,931,300
Dakota	59,300	59,600	57,600	59,400	45.0	36.0	2,592,000	2,138,400
Dodge	80,800	83,000	79,600	82,400	47.0	39.0	3,741,200	3,213,600
Fillmore	66,000	71,000	64,900	70,700	48.0	41.0	3,115,200	2,898,700
Goodhue	66,700	70,900	65,800	70,300	46.0	40.0	3,026,800	2,812,000
Houston	13,000	13,900	12,800	13,800	48.0	47.0	614,400	648,600
Mower	158,300	155,600	157,400	155,000	47.0	41.0	7,397,800	6,355,000
Olmsted	47,700	53,900	46,800	53,700	46.0	41.0	2,152,800	2,201,700
Wabasha	23,100	25,700	22,600	25,600	48.0	44.0	1,084,800	1,126,400
Winona	14,400	15,800	14,200	15,700	49.0	45.0	695,800	706,500
Southeast	529,300	549,400	521,700	546,600	46.8	40.4	24,420,800	22,100,900
Other Districts	900	1,400	900	1,400	29.0	30.1	26,100	42,100
Minnesota	5,900,000	5,950,000	5,800,000	5,900,000	40.5	38.0	234,900,000	224,200,000

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**ALL WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	65,300	75,900	64,700	71,600	31.0	45.0	2,004,500	3,220,200
Clay	185,100	206,400	177,900	194,700	33.0	47.0	5,862,400	9,149,100
Clearwater	6,600	6,700	5,400	6,300	24.5	27.4	132,200	172,800
Kittson	219,000	245,900	216,600	229,400	30.0	39.0	6,487,900	8,944,500
Mahnomen	43,900	57,200	43,500	53,700	28.1	43.9	1,224,400	2,358,000
Marshall	323,500	375,300	318,800	352,000	29.9	38.0	9,545,500	13,362,800
Norman	174,900	197,300	173,100	185,800	31.0	42.0	5,366,100	7,801,000
Pennington	93,400	96,000	91,500	90,200	28.0	36.0	2,559,400	3,243,700
Polk	372,300	402,300	359,200	379,500	30.0	41.8	10,767,100	15,877,100
Red Lake	58,200	56,900	57,000	53,700	25.9	35.0	1,478,600	1,878,500
Roseau	148,500	162,300	145,400	152,800	26.1	37.9	3,796,300	5,790,800
Northwest	1,690,700	1,882,200	1,653,100	1,769,700	29.8	40.6	49,224,400	71,798,500
Beltrami	7,100	7,100	6,400	6,400	19.0	33.1	121,600	211,700
Hubbard	1,500	--	1,500	--	30.0	--	45,000	--
Koochiching	--	1,100	--	1,000	--	35.0	--	35,000
Lake of the Woods	15,400	16,100	14,900	15,300	18.8	46.5	279,600	711,100
Other Counties	800	600	600	600	20.0	24.0	12,000	14,400
North Central	24,800	24,900	23,400	23,300	19.6	41.7	458,200	972,200
Other Counties	300	600	300	600	20.0	25.0	6,000	15,000
Northeast	300	600	300	600	20.0	25.0	6,000	15,000
Big Stone	24,900	36,000	24,700	34,000	40.9	41.0	1,009,100	1,393,800
Chippewa	7,100	6,300	6,400	6,000	40.0	51.0	256,000	306,000
Douglas	17,600	19,400	17,400	18,300	35.1	44.0	610,500	804,400
Grant	78,400	87,000	77,400	82,200	37.9	49.9	2,933,200	4,104,300
Lac Qui Parle	24,100	26,600	22,200	25,100	39.9	48.0	886,000	1,204,800
Otter Tail	65,100	73,200	64,500	69,100	37.0	44.0	2,385,300	3,040,000
Pope	16,900	17,800	16,700	16,800	40.0	41.0	668,000	688,700
Stevens	32,900	39,200	32,600	37,000	45.0	43.0	1,467,000	1,591,000
Swift	16,100	11,300	14,000	10,500	38.9	38.0	544,200	399,000
Traverse	65,600	87,900	64,800	83,100	38.9	47.0	2,523,000	3,902,800
Wilkin	145,700	175,300	144,100	165,600	38.9	46.0	5,607,100	7,613,000
Yellow Medicine	10,400	13,600	10,400	12,800	42.8	43.0	445,200	550,400
West Central	504,800	593,600	495,200	560,500	39.0	45.7	19,334,600	25,598,200
Carver	2,100	1,800	2,000	1,700	39.7	40.5	79,300	68,900
Kandiyohi	6,100	6,200	6,000	5,900	39.0	51.0	234,000	300,900
McLeod	4,900	4,300	4,800	4,000	45.4	51.8	218,000	207,000
Meeker	9,600	5,600	9,200	5,200	40.0	42.9	368,000	223,200
Renville	8,200	8,900	6,300	8,400	44.6	48.8	281,100	409,600
Scott	2,000	1,300	1,900	1,200	35.8	39.7	68,000	47,600
Sibley	4,200	4,600	4,000	4,300	45.7	53.2	182,600	228,600
Stearns	3,000	4,500	2,900	4,200	32.0	38.0	92,800	159,600
Todd	2,500	4,300	2,500	4,000	28.8	39.9	72,000	159,400
Wright	1,800	3,200	1,800	3,000	44.0	40.0	79,200	119,900
Other Counties	1,800	2,100	1,800	2,100	35.1	38.4	63,200	80,600
Central	46,200	46,800	43,200	44,000	40.2	45.6	1,738,200	2,005,300

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ALL WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96 (continued)

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Aitkin	--	2,100	--	2,000	--	35.0	--	70,000
Hennepin	1,200	--	1,200	--	39.8	--	47,700	--
Other Counties	1,800	3,400	1,600	3,200	30.2	35.3	48,300	112,800
<u>East Central</u>	3,000	5,500	2,800	5,200	34.3	35.2	96,000	182,800
Lincoln	4,800	9,700	4,600	9,100	30.2	49.0	139,000	445,900
Lyon	3,700	6,500	3,700	6,200	35.0	49.0	129,500	303,800
Murray	--	1,100	--	1,000	--	45.0	--	45,000
Redwood	2,600	3,800	2,600	3,600	34.0	50.0	88,400	180,000
Other Counties	2,000	2,500	2,000	2,200	34.9	48.2	69,800	106,100
<u>Southwest</u>	13,100	23,600	12,900	22,100	33.1	48.9	426,700	1,080,800
Blue Earth	--	1,200	--	1,100	--	47.0	--	51,700
Brown	1,700	2,800	1,600	2,600	42.9	47.6	68,600	123,700
Le Sueur	3,600	2,600	3,500	2,400	37.1	42.3	130,000	101,400
Nicollet	1,400	1,800	1,200	1,700	40.0	52.1	48,000	88,500
Rice	1,000	1,000	1,000	900	39.1	38.6	39,100	34,700
Other Counties	3,300	2,500	2,900	2,500	42.6	48.8	123,500	122,000
<u>South Central</u>	11,000	11,900	10,200	11,200	40.1	46.6	409,200	522,000
Dakota	2,600	2,600	2,400	2,400	40.0	36.0	96,000	86,400
Other Counties	1,500	3,300	1,500	3,000	39.8	40.3	59,700	120,800
<u>Southeast</u>	4,100	5,900	3,900	5,400	39.9	38.4	155,700	207,200
<u>Minnesota</u>	2,298,000	2,595,000	2,245,000	2,442,000	32.0	41.9	71,849,000	102,382,000

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**SPRING WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	64,900	75,500	64,300	71,300	31.0	45.0	1,993,300	3,208,500
Clay	182,900	204,600	175,800	192,900	33.0	47.0	5,801,400	9,066,300
Clearwater	4,700	5,700	3,800	5,400	23.0	26.0	87,400	140,400
Kittson	217,300	244,700	215,000	228,200	30.0	39.0	6,450,000	8,899,800
Mahnomen	43,100	55,900	42,700	52,500	28.0	44.0	1,195,600	2,310,000
Marshall	319,900	370,200	315,500	347,100	30.0	38.0	9,465,000	13,189,800
Norman	173,600	195,900	171,900	184,500	31.0	42.0	5,328,900	7,749,000
Pennington	91,800	93,400	90,000	88,200	28.0	36.0	2,520,000	3,175,200
Polk	368,900	395,700	356,000	373,300	30.0	42.0	10,680,000	15,678,600
Red Lake	56,000	54,800	54,900	51,700	26.0	35.0	1,427,400	1,809,500
Roseau	143,000	156,600	140,100	147,600	26.0	38.0	3,642,600	5,608,800
Northwest	1,666,100	1,853,000	1,630,000	1,742,700	29.8	40.6	48,591,600	70,835,900
Beltrami	7,100	6,500	6,400	5,900	19.0	33.0	121,600	194,700
Hubbard	1,500	--	1,500	--	30.0	--	45,000	--
Koochiching	--	1,100	--	1,000	--	35.0	--	35,000
Lake of the Woods	14,700	14,500	14,300	13,700	18.0	47.0	257,400	643,900
Other Counties	800	600	600	600	20.0	24.0	12,000	14,400
North Central	24,100	22,700	22,800	21,200	19.1	41.9	436,000	888,000
Other Counties	300	600	300	600	20.0	25.0	6,000	15,000
Northeast	300	600	300	600	20.0	25.0	6,000	15,000
Big Stone	24,300	35,800	24,100	33,800	41.0	41.0	988,100	1,385,800
Chippewa	7,100	6,300	6,400	6,000	40.0	51.0	256,000	306,000
Douglas	17,300	19,200	17,100	18,100	35.0	44.0	598,500	796,400
Grant	75,200	85,100	74,400	80,300	38.0	50.0	2,827,200	4,015,000
Lac Qui Parle	23,600	26,600	21,700	25,100	40.0	48.0	868,000	1,204,800
Otter Tail	64,800	73,100	64,200	69,000	37.0	44.0	2,375,400	3,036,000
Pope	16,800	17,700	16,600	16,700	40.0	41.0	664,000	684,700
Stevens	32,900	39,200	32,600	37,000	45.0	43.0	1,467,000	1,591,000
Swift	15,800	11,300	13,700	10,500	39.0	38.0	534,300	399,000
Traverse	64,600	87,200	64,000	82,400	39.0	47.0	2,496,000	3,872,800
Wilkin	142,600	172,600	141,200	163,000	39.0	46.0	5,506,800	7,498,000
Yellow Medicine	10,000	13,600	10,000	12,800	43.0	43.0	430,000	550,400
West Central	495,000	587,700	486,000	554,700	39.1	45.7	19,011,300	25,339,900
Carver	1,300	1,400	1,300	1,300	40.0	41.0	52,000	53,300
Kandiyohi	6,100	6,200	6,000	5,900	39.0	51.0	234,000	300,900
McLeod	3,400	3,600	3,400	3,400	46.0	54.0	156,400	183,600
Meeker	9,200	5,500	8,800	5,100	40.0	43.0	352,000	219,300
Renville	7,900	8,700	6,000	8,200	45.0	49.0	270,000	401,800
Scott	1,000	--	900	--	40.0	--	36,000	--
Sibley	2,900	3,600	2,900	3,400	44.0	54.0	127,600	183,600
Stearns	3,000	4,500	2,900	4,200	32.0	38.0	92,800	159,600
Todd	2,000	3,600	2,000	3,400	28.0	40.0	56,000	136,000
Wright	1,800	3,100	1,800	2,900	44.0	40.0	79,200	116,000
Other Counties	700	2,200	700	2,100	31.6	38.8	22,100	81,400
Central	39,300	42,400	36,700	39,900	40.3	46.0	1,478,100	1,835,500

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SPRING WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96 (continued)

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Aitkin	--	2,100	--	2,000	--	35.0	--	70,000
Other Counties	1,500	2,500	1,500	2,400	30.7	35.0	46,000	84,000
<u>East Central</u>	1,500	4,600	1,500	4,400	30.7	35.0	46,000	154,000
Lincoln	4,700	9,700	4,500	9,100	30.0	49.0	135,000	445,900
Lyon	3,700	6,500	3,700	6,200	35.0	49.0	129,500	303,800
Murray	--	1,100	--	1,000	--	45.0	--	45,000
Redwood	2,600	3,800	2,600	3,600	34.0	50.0	88,400	180,000
Other Counties	1,800	2,400	1,800	2,100	34.3	48.8	61,800	102,500
<u>Southwest</u>	12,800	23,500	12,600	22,000	32.9	49.0	414,700	1,077,200
Blue Earth	--	1,100	--	1,000	--	48.0	--	48,000
Brown	1,500	2,700	1,400	2,500	44.0	48.0	61,600	120,000
Le Sueur	2,000	1,900	2,000	1,800	38.0	44.0	76,000	79,200
Nicollet	1,300	1,700	1,100	1,600	40.0	53.0	44,000	84,800
Other Counties	3,900	3,300	3,500	3,200	42.1	46.7	147,500	149,300
<u>South Central</u>	8,700	10,700	8,000	10,100	41.1	47.7	329,100	481,300
Dakota	1,000	1,700	900	1,600	45.0	37.0	40,500	59,200
Other Counties	1,200	3,100	1,200	2,800	38.9	40.7	46,700	114,000
<u>Southeast</u>	2,200	4,800	2,100	4,400	41.5	39.4	87,200	173,200
<u>Minnesota</u>	2,250,000	2,550,000	2,200,000	2,400,000	32.0	42.0	70,400,000	100,800,000

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**OATS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Bushels		Bushels	
Becker	5,500	5,700	4,800	4,900	45.0	46.0	216,000	225,400
Clay	3,300	2,300	2,800	2,000	60.0	59.0	168,000	118,000
Clearwater	4,100	5,200	2,200	4,300	40.0	51.0	88,000	219,300
Kittson	4,600	4,800	3,000	4,500	55.0	54.0	165,000	243,000
Mahnomen	2,400	2,200	1,600	1,800	62.0	69.0	99,200	124,200
Marshall	5,700	6,200	4,900	6,000	56.0	50.0	274,400	300,000
Norman	3,300	2,800	3,100	2,300	60.0	72.0	186,000	165,600
Pennington	7,700	7,200	6,200	7,100	55.0	61.0	341,000	433,100
Polk	6,400	6,200	5,900	5,700	58.0	59.0	342,200	336,300
Red Lake	4,100	5,100	3,700	4,900	57.0	73.0	210,900	357,700
Roseau	7,300	10,300	5,300	10,100	59.0	59.0	312,700	595,900
Northwest	54,400	58,000	43,500	53,600	55.3	58.2	2,403,400	3,118,500
Beltrami	5,700	5,400	3,600	4,300	38.0	53.0	136,800	227,900
Cass	1,500	1,300	600	800	35.0	35.0	21,000	28,000
Hubbard	2,100	1,800	800	1,000	41.0	35.0	32,800	35,000
Itasca	--	1,500	--	1,400	--	69.0	--	96,600
Koochiching	--	1,300	--	1,100	--	66.0	--	72,600
Lake of the Woods	2,200	2,500	1,300	2,300	45.0	69.0	58,500	158,700
Other Counties	1,700	--	1,300	--	39.5	--	51,400	--
North Central	13,200	13,800	7,600	10,900	39.5	56.8	300,500	618,800
St Louis	1,400	1,100	600	900	39.0	61.0	23,400	54,900
Northeast	1,400	1,100	600	900	39.0	61.0	23,400	54,900
Big Stone	1,200	--	500	--	41.0	--	20,500	--
Chippewa	3,300	--	1,200	--	44.0	--	52,800	--
Douglas	13,600	8,400	11,300	8,200	40.0	44.0	452,000	360,800
Grant	1,400	--	1,000	--	45.0	--	45,000	--
Lac Qui Parle	3,200	--	1,300	--	50.0	--	65,000	--
Otter Tail	31,600	28,100	26,900	25,500	42.0	49.0	1,129,800	1,249,500
Pope	10,400	5,400	9,600	4,800	42.0	45.0	403,200	216,000
Stevens	1,100	--	700	--	42.0	--	29,400	--
Swift	3,200	1,600	1,700	1,500	45.0	55.0	76,500	82,500
Yellow Medicine	4,600	--	1,700	--	42.0	--	71,400	--
Other Counties	1,500	4,100	1,100	3,100	50.1	53.2	55,100	164,900
West Central	75,100	47,600	57,000	43,100	42.1	48.1	2,400,700	2,073,700
Benton	7,400	3,800	4,600	2,800	44.0	37.0	202,400	103,600
Carver	7,300	3,800	5,200	3,500	54.0	59.0	280,800	206,500
Kandiyohi	11,800	4,400	8,400	4,000	43.0	52.0	361,200	208,000
McLeod	8,600	2,900	5,200	2,600	51.0	67.0	265,200	174,200
Meeker	8,300	2,800	5,000	2,600	44.0	53.0	220,000	137,800
Morrison	11,500	7,900	6,700	7,000	36.0	49.0	241,200	343,000
Renville	8,500	--	3,800	--	49.0	--	186,200	--
Scott	--	2,500	--	1,500	--	65.0	--	97,500
Sibley	10,300	2,900	5,500	2,500	51.0	69.0	280,500	172,500
Stearns	40,900	28,800	32,700	26,500	44.0	55.0	1,438,800	1,457,500
Todd	15,600	13,000	12,800	11,600	36.0	40.0	460,800	464,000
Wadena	4,400	3,500	1,800	2,700	30.0	30.0	54,000	81,000
Wright	8,800	4,900	4,900	3,800	45.0	63.0	220,500	239,400
Other Counties	5,200	1,900	3,200	1,300	49.2	61.6	157,400	80,100
Central	148,600	83,100	99,800	72,400	43.8	52.0	4,369,000	3,765,100

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OATS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96 (continued)

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Bushels		Bushels	
Aitkin	1,400	2,100	800	1,700	40.0	52.0	32,000	88,400
Chisago	1,700	1,500	1,000	1,200	29.0	49.0	29,000	58,800
Crow Wing	2,800	2,500	1,300	2,200	31.0	49.0	40,300	107,800
Hennepin	1,900	1,200	1,200	1,000	52.0	66.0	62,400	66,000
Isanti	1,800	--	1,300	--	30.0	--	39,000	--
Kanabec	2,300	1,400	1,500	1,100	44.0	50.0	66,000	55,000
Mille Lacs	3,000	2,100	1,900	1,800	43.0	49.0	81,700	88,200
Pine	3,200	2,300	2,000	1,400	40.0	48.0	80,000	67,200
Washington	2,100	1,500	1,300	1,300	45.0	53.0	58,500	68,900
Other Counties	1,000	1,600	600	1,100	33.3	45.6	20,000	50,200
East Central	21,200	16,200	12,900	12,800	39.4	50.8	508,900	650,500
Cottonwood	11,200	--	4,500	--	40.0	--	180,000	--
Jackson	12,400	--	4,800	--	41.0	--	196,800	--
Lincoln	4,800	2,800	2,100	2,100	40.0	72.0	84,000	151,200
Lyon	7,700	2,700	3,900	2,300	47.0	78.0	183,300	179,400
Murray	12,600	3,800	6,000	3,300	50.0	65.0	300,000	214,500
Nobles	15,400	3,300	5,100	2,800	51.0	65.0	260,100	182,000
Pipestone	8,500	4,900	4,800	3,300	45.0	65.0	216,000	214,500
Redwood	12,800	1,600	5,800	1,200	48.0	55.0	278,400	66,000
Rock	8,600	2,800	3,400	1,600	52.0	84.0	176,800	134,400
Other Counties	--	1,800	--	1,000	--	53.0	--	53,000
Southwest	94,000	23,700	40,400	17,600	46.4	67.9	1,875,400	1,195,000
Blue Earth	9,700	--	3,900	--	60.0	--	234,000	--
Brown	12,200	3,600	4,900	2,800	53.0	65.0	259,700	182,000
Faribault	13,600	1,100	3,700	700	55.0	66.0	203,500	46,200
Freeborn	13,400	2,400	3,600	1,900	56.0	65.0	201,600	123,500
Le Sueur	5,100	1,500	2,700	900	50.0	67.0	135,000	60,300
Martin	15,000	1,400	3,800	1,200	55.0	50.0	209,000	60,000
Nicollet	8,600	2,100	4,400	1,200	54.0	72.0	237,600	86,400
Rice	7,500	2,800	3,800	2,100	50.0	71.0	190,000	149,100
Steele	9,600	3,300	5,000	3,100	56.0	63.0	280,000	195,300
Waseca	7,600	1,200	4,000	900	56.0	60.0	224,000	54,000
Watsonwan	9,600	--	2,900	--	59.0	--	171,100	--
Other Counties	--	1,700	--	1,500	--	60.7	--	91,000
South Central	111,900	21,100	42,700	16,300	54.9	64.3	2,345,500	1,047,800
Dakota	6,700	1,700	4,500	1,600	50.0	57.0	225,000	91,200
Dodge	9,000	2,900	5,900	1,900	55.0	54.0	324,500	102,600
Fillmore	15,900	9,800	12,100	8,200	55.0	62.0	665,500	508,400
Goodhue	15,400	7,900	8,200	5,500	51.0	65.0	418,200	357,500
Houston	10,000	7,100	7,000	4,900	50.0	57.0	350,000	279,300
Mower	14,600	3,000	9,200	2,700	55.0	63.0	506,000	170,100
Olmsted	11,400	6,300	8,000	5,000	53.0	57.0	424,000	285,000
Wabasha	9,600	7,600	6,800	6,800	54.0	65.0	367,200	442,000
Winona	12,600	9,100	8,800	5,800	56.0	62.0	492,800	359,600
Southeast	105,200	55,400	70,500	42,400	53.5	61.2	3,773,200	2,595,700
Minnesota	625,000	320,000	375,000	270,000	48.0	56.0	18,000,000	15,120,000

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ALL HAY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Becker	39,700	41,300	3.1	2.2	121,300	88,900
Clay	26,700	24,000	3.6	2.3	96,600	54,300
Clearwater	39,500	40,900	2.4	1.9	94,700	77,300
Kittson	35,600	38,100	2.2	1.6	77,700	62,100
Mahnomen	22,400	21,700	2.8	2.5	62,400	53,600
Marshall	48,200	51,400	2.5	2.3	118,600	116,400
Norman	18,600	18,500	3.3	2.9	60,500	53,400
Pennington	37,900	34,300	3.0	2.1	113,300	72,800
Polk	42,500	52,000	3.0	2.4	128,800	125,100
Red Lake	24,400	24,300	3.1	2.7	75,800	66,300
Roseau	72,800	76,500	2.4	2.1	178,100	159,300
Northwest	408,300	423,000	2.8	2.2	1,127,800	929,500
Beltrami	48,300	48,800	2.3	2.2	110,700	108,100
Cass	44,100	42,400	2.1	1.6	94,100	68,500
Hubbard	16,900	18,400	2.5	1.6	41,800	29,800
Itasca	27,900	21,200	1.7	1.9	48,700	39,600
Koochiching	13,400	12,100	1.7	1.5	22,900	18,500
Lake of the Woods	19,100	21,000	2.1	1.7	39,800	35,100
North Central	169,700	163,900	2.1	1.8	358,000	299,600
St Louis	46,600	32,200	1.9	1.5	89,100	49,000
Other Counties	1,700	1,000	1.7	1.1	2,900	1,100
Northeast	48,300	33,200	1.9	1.5	92,000	50,100
Big Stone	7,300	7,200	3.3	2.5	24,000	17,700
Chippewa	6,400	6,900	3.6	3.3	22,900	22,900
Douglas	33,500	33,500	3.0	2.8	100,500	94,900
Grant	8,500	8,500	3.1	2.3	26,300	19,900
Lac Qui Parle	11,000	11,300	3.2	3.5	35,300	39,400
Otter Tail	127,200	137,600	2.7	2.5	349,600	344,100
Pope	39,500	35,100	3.2	2.7	127,400	95,900
Stevens	11,200	11,500	3.2	2.8	35,400	31,700
Swift	12,300	11,800	3.4	3.1	41,300	36,500
Traverse	8,700	9,500	2.9	2.7	25,200	25,800
Wilkin	6,600	6,800	3.2	1.9	20,900	12,600
Yellow Medicine	12,100	10,500	3.4	2.6	40,800	27,700
West Central	284,300	290,200	3.0	2.7	849,600	769,100
Benton	33,000	29,600	3.3	2.6	109,900	77,700
Carver	24,500	24,300	3.7	3.6	90,500	86,500
Kandiyohi	29,100	26,300	3.8	3.1	109,900	80,600
McLeod	18,300	15,700	3.5	4.3	63,200	66,900
Meeker	23,100	24,100	3.3	3.6	76,100	87,100
Morrison	51,400	72,400	3.0	2.2	156,600	162,600
Renville	15,000	12,300	3.7	3.6	55,700	44,100
Scott	13,300	13,700	4.0	4.0	53,400	54,600
Sherburne	10,000	9,800	2.6	2.4	26,300	23,700
Sibley	14,000	13,300	3.9	4.3	55,200	57,100
Stearns	107,100	115,200	3.9	3.1	414,500	362,700
Todd	77,900	82,400	3.2	2.8	250,600	233,100
Wadena	31,100	29,500	2.6	2.4	80,500	71,900
Wright	29,200	31,600	3.7	2.7	107,700	85,100
Central	477,000	500,200	3.5	3.0	1,650,100	1,493,700

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ALL HAY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96 (continued)

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Aitkin	27,500	25,100	2.6	1.6	72,000	40,700
Anoka	8,900	8,500	2.7	2.0	24,100	16,800
Carlton	29,500	19,600	2.4	1.8	72,100	34,900
Chisago	25,100	22,000	2.6	2.6	66,400	56,300
Crow Wing	30,100	27,300	2.7	2.2	79,800	58,900
Isanti	13,000	12,300	3.2	2.4	41,000	29,100
Kanabec	19,800	19,500	2.8	1.5	55,500	30,200
Mille Lacs	33,100	33,200	3.2	2.8	106,500	92,300
Pine	47,400	45,400	2.8	1.9	133,700	86,100
Washington	16,300	13,300	2.9	2.8	47,200	37,600
Other Counties	9,000	9,300	3.1	3.0	28,300	27,500
East Central	259,700	235,500	2.8	2.2	726,600	510,400
Cottonwood	9,000	7,700	3.8	2.3	33,800	17,600
Jackson	8,700	7,900	3.2	2.4	27,700	18,900
Lincoln	24,700	24,900	3.1	2.7	76,500	68,100
Lyon	17,500	14,000	3.7	3.9	64,300	54,800
Murray	17,200	16,800	3.8	2.4	65,800	40,500
Nobles	16,500	17,400	3.4	2.6	56,200	45,600
Pipestone	18,000	18,100	3.7	2.6	66,600	47,200
Redwood	11,200	10,400	3.6	3.8	40,000	39,700
Rock	13,000	13,000	3.2	2.9	41,100	38,000
Southwest	135,800	130,200	3.5	2.8	472,000	370,400
Blue Earth	8,400	7,000	3.6	3.3	30,000	23,300
Brown	18,500	15,600	3.8	3.6	70,900	56,000
Faribault	5,200	3,900	3.7	3.5	19,000	13,800
Freeborn	13,600	11,500	4.0	3.5	54,200	39,700
Le Sueur	12,500	10,900	3.7	3.1	46,400	34,200
Martin	10,100	8,100	3.1	2.7	31,600	22,000
Nicollet	11,200	9,500	3.9	3.6	43,200	33,900
Rice	21,700	20,200	3.1	3.0	67,200	60,900
Steele	16,600	15,000	3.5	2.4	58,800	35,700
Waseca	10,500	8,800	3.8	3.4	39,400	29,900
Watsonwan	3,000	2,700	4.2	3.7	12,600	9,900
South Central	131,300	113,200	3.6	3.2	473,300	359,300
Dakota	16,000	14,800	3.1	3.5	49,400	52,000
Dodge	17,300	16,000	2.8	2.9	48,600	46,600
Fillmore	64,100	57,200	3.2	3.6	204,900	205,900
Goodhue	56,000	49,000	3.3	3.8	184,000	188,400
Houston	46,100	44,600	3.0	3.6	137,200	159,300
Mower	18,700	15,700	3.6	3.2	66,900	49,600
Olmsted	39,400	39,800	3.3	3.4	130,100	135,100
Wabasha	49,700	44,800	3.8	3.4	191,000	153,300
Winona	53,300	53,700	3.4	4.2	181,500	225,700
Southeast	360,600	335,600	3.3	3.6	1,193,600	1,215,900
Minnesota	2,275,000	2,225,000	3.1	2.7	6,943,000	5,998,000

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ALFALFA HAY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Becker	26,100	25,100	3.5	2.7	91,400	67,800
Clay	18,000	17,000	4.4	2.7	79,200	45,900
Clearwater	15,600	15,600	2.7	2.2	42,100	34,300
Kittson	16,300	18,000	2.4	2.0	39,100	36,000
Mahnomen	16,400	16,700	3.0	2.7	49,200	45,100
Marshall	20,200	23,400	3.1	2.7	62,600	63,200
Norman	16,300	16,000	3.4	3.1	55,400	49,600
Pennington	22,500	20,900	3.6	2.2	81,000	46,000
Polk	23,300	35,000	3.8	2.7	88,500	94,500
Red Lake	16,400	16,100	3.5	3.2	57,400	51,500
Roseau	35,900	33,500	2.7	2.7	96,900	90,500
Northwest	227,000	237,300	3.3	2.6	742,800	624,400
Beltrami	29,700	33,300	2.6	2.5	77,200	83,300
Cass	4,500	5,400	3.3	2.4	14,900	13,000
Hubbard	6,300	9,600	3.1	2.0	19,500	19,200
Itasca	--	1,600	--	2.7	--	4,300
Koochiching	--	1,400	--	2.5	--	3,500
Lake of the Woods	2,600	3,600	2.6	2.5	6,800	9,000
Other Counties	2,100	--	2.9	--	6,100	--
North Central	45,200	54,900	2.8	2.4	124,500	132,300
Other Counties	700	1,000	2.7	2.2	1,900	2,200
Northeast	700	1,000	2.7	2.2	1,900	2,200
Big Stone	5,300	4,800	3.5	2.4	18,600	11,500
Chippewa	4,900	5,600	3.9	3.7	19,100	20,700
Douglas	25,000	25,800	3.1	3.2	77,500	82,600
Grant	6,700	6,000	3.2	2.6	21,400	15,600
Lac Qui Parle	9,100	9,100	3.4	3.6	30,900	32,800
Otter Tail	103,400	119,300	2.9	2.5	299,600	298,300
Pope	29,600	24,400	3.6	3.1	106,600	75,600
Stevens	8,500	8,500	3.3	3.2	28,100	27,200
Swift	10,500	9,900	3.5	3.3	36,800	32,700
Traverse	4,600	5,600	3.7	3.5	17,000	19,600
Wilkin	4,700	4,400	3.6	2.1	16,900	9,200
Yellow Medicine	9,000	8,100	3.6	2.8	32,400	22,700
West Central	221,300	231,500	3.2	2.8	704,900	648,500
Benton	14,200	12,400	3.9	2.8	55,400	34,700
Carver	20,700	21,400	3.8	3.7	78,700	79,200
Kandiyohi	27,100	25,100	3.9	3.1	105,700	77,800
McLeod	14,500	13,000	3.6	4.5	52,200	58,500
Meeker	15,800	17,900	3.8	4.0	60,000	71,600
Morrison	20,800	44,500	4.0	2.4	83,200	106,800
Renville	8,800	7,900	4.5	4.4	39,600	34,800
Scott	10,400	11,600	4.3	4.0	44,700	46,400
Sherburne	6,500	6,700	2.9	2.7	18,900	18,100
Sibley	11,100	10,800	4.3	4.5	47,700	48,600
Stearns	89,500	100,400	4.1	3.2	367,000	321,300
Todd	59,500	66,700	3.5	3.0	208,300	200,100
Wadena	20,300	18,700	2.9	2.4	58,900	44,900
Wright	24,800	28,500	3.9	2.7	96,700	77,000
Central	344,000	385,600	3.8	3.2	1,317,000	1,219,800

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.
Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

--continued

**ALFALFA HAY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96 (continued)**

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Aitkin	1,000	1,200	3.1	2.1	3,100	2,500
Anoka	4,100	4,500	4.0	2.3	16,400	10,400
Carlton	1,900	2,100	3.1	1.6	5,900	3,400
Chisago	8,800	7,600	3.1	2.9	27,300	22,000
Crow Wing	15,400	17,500	2.7	2.3	41,600	40,300
Isanti	9,400	8,500	3.4	2.4	32,000	20,400
Kanabec	5,200	4,900	3.1	1.7	16,100	8,300
Mille Lacs	17,500	20,600	3.6	3.5	62,800	72,100
Pine	14,400	13,500	3.1	2.7	44,600	36,500
Washington	10,100	6,900	3.2	3.5	32,300	24,200
Other Counties	6,400	7,400	3.4	3.2	21,800	23,700
East Central	94,200	94,700	3.2	2.8	303,900	263,800
Cottonwood	7,300	5,900	4.1	2.3	29,900	13,600
Jackson	5,100	4,900	3.8	2.7	19,400	13,200
Lincoln	18,900	19,400	3.4	2.8	64,300	54,300
Lyon	14,200	10,700	3.9	4.5	55,400	48,200
Murray	15,200	15,100	4.0	2.5	60,800	37,800
Nobles	11,900	13,900	3.8	2.7	45,200	37,500
Pipestone	16,400	16,300	3.8	2.7	62,300	44,000
Redwood	8,900	8,500	3.8	4.0	33,800	34,000
Rock	10,700	11,100	3.3	3.1	35,300	34,400
Southwest	108,600	105,800	3.7	3.0	406,400	317,000
Blue Earth	5,100	4,500	4.0	3.5	20,400	15,800
Brown	15,900	13,200	4.0	3.7	63,600	48,800
Faribault	3,400	2,400	4.2	4.3	14,300	10,300
Freeborn	12,400	10,200	4.1	3.5	50,800	35,700
Le Sueur	9,700	8,400	4.0	3.6	38,800	30,200
Martin	4,200	4,100	3.6	3.7	15,100	15,200
Nicollet	8,900	8,100	4.1	3.8	36,500	30,800
Rice	13,700	12,700	3.5	3.2	48,000	40,600
Steele	12,100	10,400	4.0	2.5	48,400	26,000
Waseca	7,300	6,600	4.3	3.5	31,400	23,100
Watonwan	2,500	2,300	4.5	3.9	11,300	9,000
South Central	95,200	82,900	4.0	3.4	378,600	285,500
Dakota	12,600	12,400	3.3	3.6	41,600	44,600
Dodge	8,800	8,600	3.2	3.7	28,200	31,800
Fillmore	54,600	49,100	3.3	3.8	180,200	188,900
Goodhue	46,800	43,600	3.4	4.0	159,100	174,400
Houston	38,000	39,500	3.1	3.6	117,800	143,500
Mower	14,100	11,900	3.8	3.4	53,600	40,500
Olmsted	26,300	30,400	3.6	3.7	94,700	112,500
Wabasha	43,700	40,200	4.0	3.5	174,800	142,700
Winona	43,900	45,600	3.6	4.4	158,000	200,600
Southeast	288,800	281,300	3.5	3.8	1,008,000	1,079,500
Minnesota	1,425,000	1,475,000	3.5	3.1	4,988,000	4,573,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.
Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

BARLEY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1995-96

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	18,400	13,300	17,700	12,800	40.0	62.0	708,000	793,600
Clay	41,800	31,100	39,700	30,000	53.0	71.0	2,104,100	2,130,000
Clearwater	3,100	2,700	2,800	2,600	45.0	43.0	126,000	111,800
Kittson	24,800	31,800	24,100	30,300	56.0	66.0	1,349,600	1,999,800
Mahnomen	34,400	25,300	33,400	24,300	40.0	66.0	1,336,000	1,603,800
Marshall	67,900	79,500	65,200	76,800	56.0	65.0	3,651,200	4,992,000
Norman	74,600	54,200	72,400	52,300	43.0	63.0	3,113,200	3,294,900
Pennington	39,900	37,800	38,300	35,800	54.0	57.0	2,068,200	2,040,600
Polk	109,400	109,500	105,200	105,000	51.0	70.0	5,365,200	7,350,000
Red Lake	27,800	25,000	27,000	24,100	50.0	60.0	1,350,000	1,446,000
Roseau	34,700	44,100	32,300	41,300	50.0	58.0	1,615,000	2,395,400
Northwest	476,800	454,300	458,100	435,300	49.7	64.7	22,786,500	28,157,900
Beltrami	3,400	2,400	3,200	2,200	51.0	48.0	163,200	105,600
Hubbard	1,600	--	1,400	--	35.0	--	49,000	--
Lake of the Woods	4,000	3,100	4,000	2,900	50.0	79.0	200,000	229,100
Other Counties	1,100	1,600	1,100	1,600	43.3	45.3	47,600	72,400
North Central	10,100	7,100	9,700	6,700	47.4	60.8	459,800	407,100
Douglas	5,600	2,800	5,300	2,700	45.0	57.0	238,500	153,900
Grant	8,400	4,500	7,900	4,400	57.0	69.0	450,300	303,600
Otter Tail	16,000	9,900	14,600	9,500	40.0	55.0	584,000	522,500
Pope	1,000	--	900	--	45.0	--	40,500	--
Stevens	1,100	--	1,000	--	50.0	--	50,000	--
Traverse	4,800	3,800	4,600	3,700	57.0	61.0	262,200	225,700
Wilkin	30,300	15,000	28,800	14,200	62.0	70.0	1,785,600	994,000
Other Counties	2,000	2,400	1,800	2,200	52.7	51.7	94,900	113,700
West Central	69,200	38,400	64,900	36,700	54.0	63.0	3,506,000	2,313,400
Benton	1,400	1,000	1,200	800	50.0	52.0	60,000	41,600
Kandiyohi	1,000	--	900	--	57.0	--	51,300	--
Meeker	2,100	1,200	1,900	1,000	59.0	49.0	112,100	49,000
Morrison	2,800	2,000	2,400	1,800	40.0	46.0	96,000	82,800
Stearns	10,600	7,100	9,900	5,900	50.0	68.0	495,000	401,200
Todd	9,200	6,500	8,200	6,200	45.0	52.0	369,000	322,400
Wadena	2,600	1,900	2,200	1,700	40.0	56.0	88,000	95,200
Wright	1,200	1,600	1,000	1,300	56.0	51.0	56,000	66,300
Other Counties	2,700	3,100	2,100	2,200	52.4	54.8	110,000	120,500
Central	33,600	24,400	29,800	20,900	48.2	56.4	1,437,400	1,179,000
Kanabec	1,400	--	1,200	--	40.0	--	48,000	--
Other Counties	2,600	3,300	2,400	2,700	41.5	48.5	99,600	131,000
East Central	4,000	3,300	3,600	2,700	41.0	48.5	147,600	131,000
Other Counties	1,700	3,300	1,700	2,000	48.5	54.9	82,500	109,800
Southwest	1,700	3,300	1,700	2,000	48.5	54.9	82,500	109,800
Fillmore	2,200	3,400	2,000	3,200	45.0	67.0	90,000	214,400
Goodhue	3,400	3,500	2,900	3,000	49.0	64.0	142,100	192,000
Houston	--	2,400	--	2,100	--	58.0	--	121,800
Wabasha	1,800	2,900	1,300	2,400	56.0	63.0	72,800	151,200
Winona	1,700	2,500	1,400	1,600	46.0	68.0	64,400	108,800
Other Counties	2,800	2,200	2,400	1,700	47.2	54.8	113,300	93,100
Southeast	11,900	16,900	10,000	14,000	48.3	63.0	482,600	881,300
Other Districts	2,700	2,300	2,200	1,700	44.4	59.1	97,600	100,500
Minnesota	610,000	550,000	580,000	520,000	50.0	64.0	29,000,000	33,280,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

RYE: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1995-96

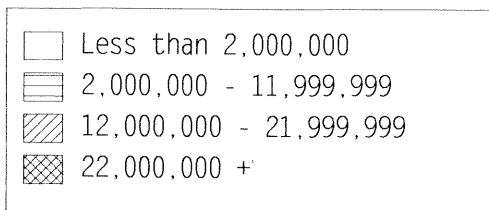
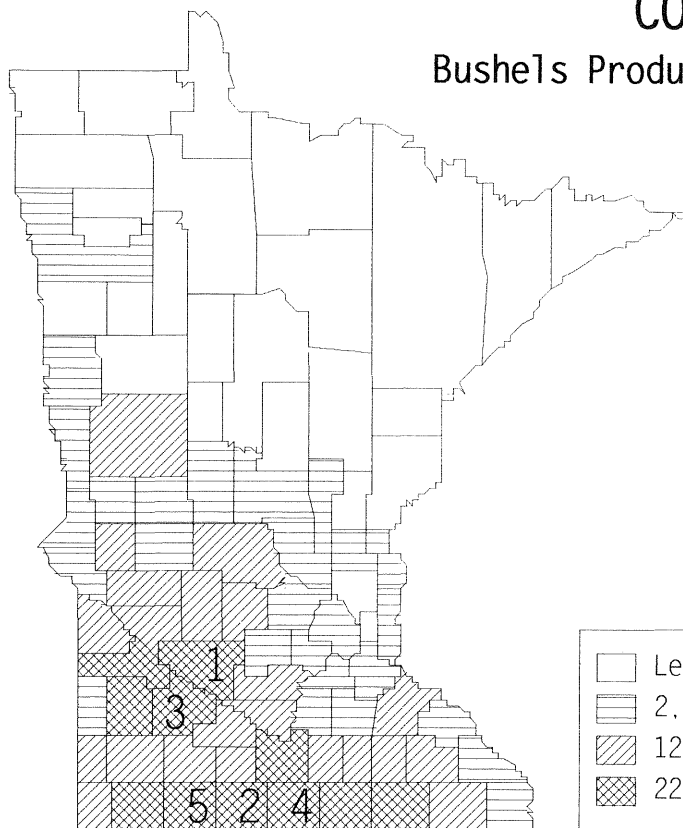
County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>BusheIs</u>		<u>BusheIs</u>	
Marshall	1,200	1,400	1,100	1,100	32.0	23.0	35,200	25,300
Other Counties	1,600	1,700	1,600	1,500	29.6	21.3	47,300	31,900
<u>Northwest</u>	2,800	3,100	2,700	2,600	30.6	22.0	82,500	57,200
Hubbard	1,000	1,100	500	600	28.0	22.0	14,000	13,200
Other Counties	500	500	500	200	24.2	22.0	12,100	4,400
<u>North Central</u>	1,500	1,600	1,000	800	26.1	22.0	26,100	17,600
Benton	1,600	1,000	1,000	600	30.0	24.0	30,000	14,400
Morrison	2,700	3,000	1,800	2,800	30.0	25.0	54,000	70,000
Sherburne	4,700	3,400	2,500	2,800	28.0	20.0	70,000	56,000
Stearns	1,900	2,200	1,500	2,100	30.0	30.0	45,000	63,000
Todd	1,100	1,000	700	900	28.0	19.0	19,600	17,100
Other Counties	1,400	1,100	1,000	1,000	27.7	18.9	27,700	18,900
<u>Central</u>	13,400	11,700	8,500	10,200	29.0	23.5	246,300	239,400
Aitkin	1,000	--	800	--	26.0	--	20,800	--
Anoka	2,100	1,500	1,200	1,000	29.0	22.0	34,800	22,000
Chisago	1,000	--	800	--	28.0	--	22,400	--
Isanti	3,300	2,000	2,000	1,600	27.0	28.0	54,000	44,800
Other Counties	2,000	2,600	1,500	2,000	29.3	24.0	43,900	48,000
<u>East Central</u>	9,400	6,100	6,300	4,600	27.9	25.0	175,900	114,800
<u>Other Districts</u>	2,900	2,500	2,500	1,800	31.3	28.3	78,200	51,000
<u>Minnesota</u>	30,000	25,000	21,000	20,000	29.0	24.0	609,000	480,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



CORN

BusheIs Produced in 1996

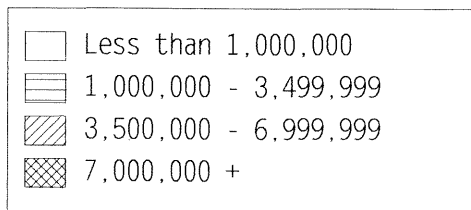
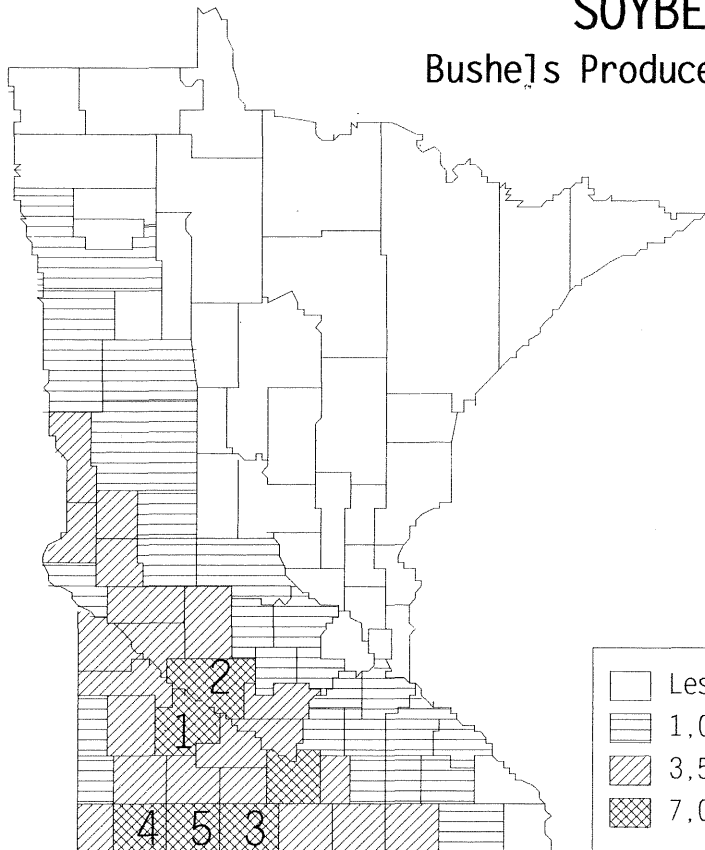


Top Five
Production
Counties
For 1996

- 1-Renville
- 2-Martin
- 3-Redwood
- 4-Faribault
- 5-Jackson

SOYBEANS

BusheIs Produced in 1996

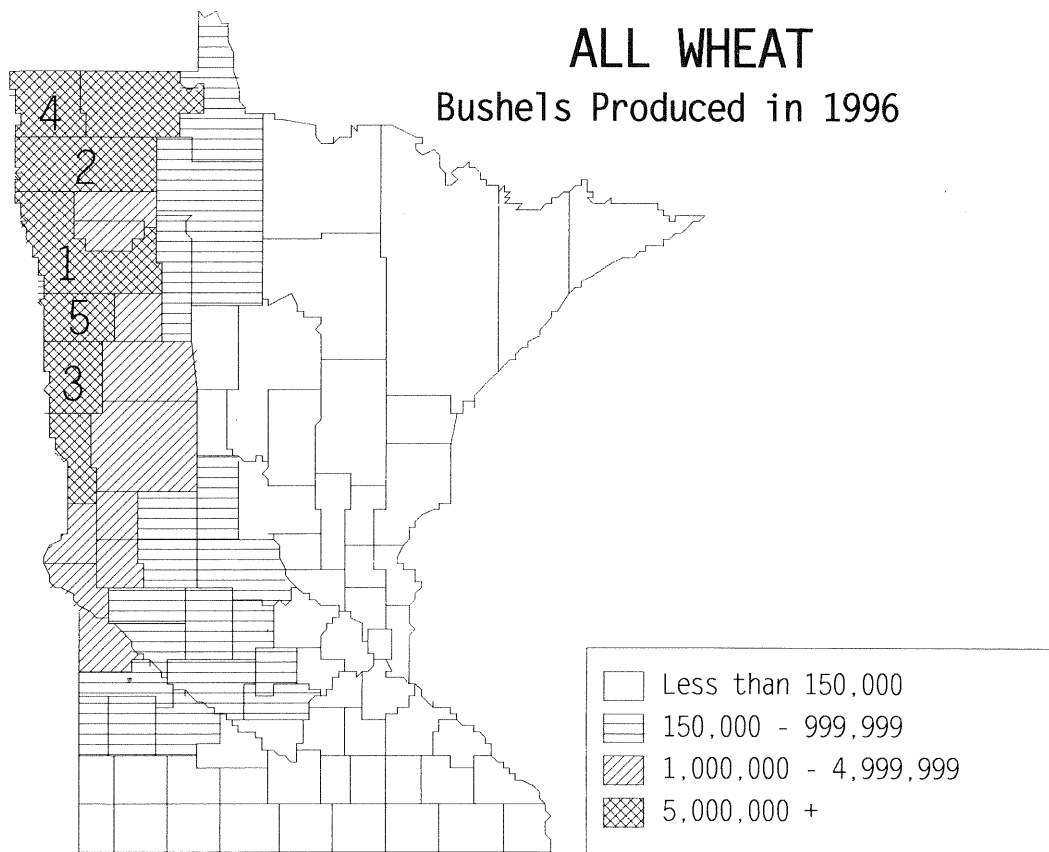


Top Five
Production
Counties
For 1996

- 1-Redwood
- 2-Renville
- 3-Martin
- 4-Nobles
- 5-Jackson

ALL WHEAT

BusheIs Produced in 1996

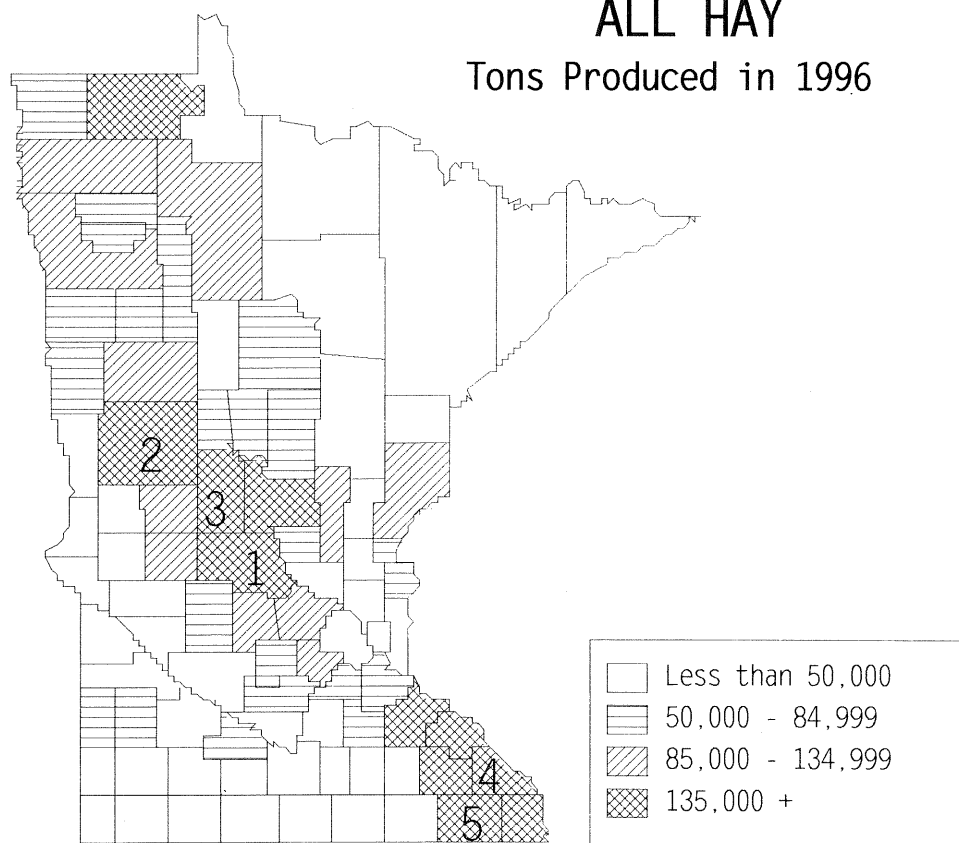


Top Five
Production
Counties
For 1996

- 1-Polk
- 2-Marshall
- 3-Clay
- 4-Kittson
- 5-Norman

ALL HAY

Tons Produced in 1996

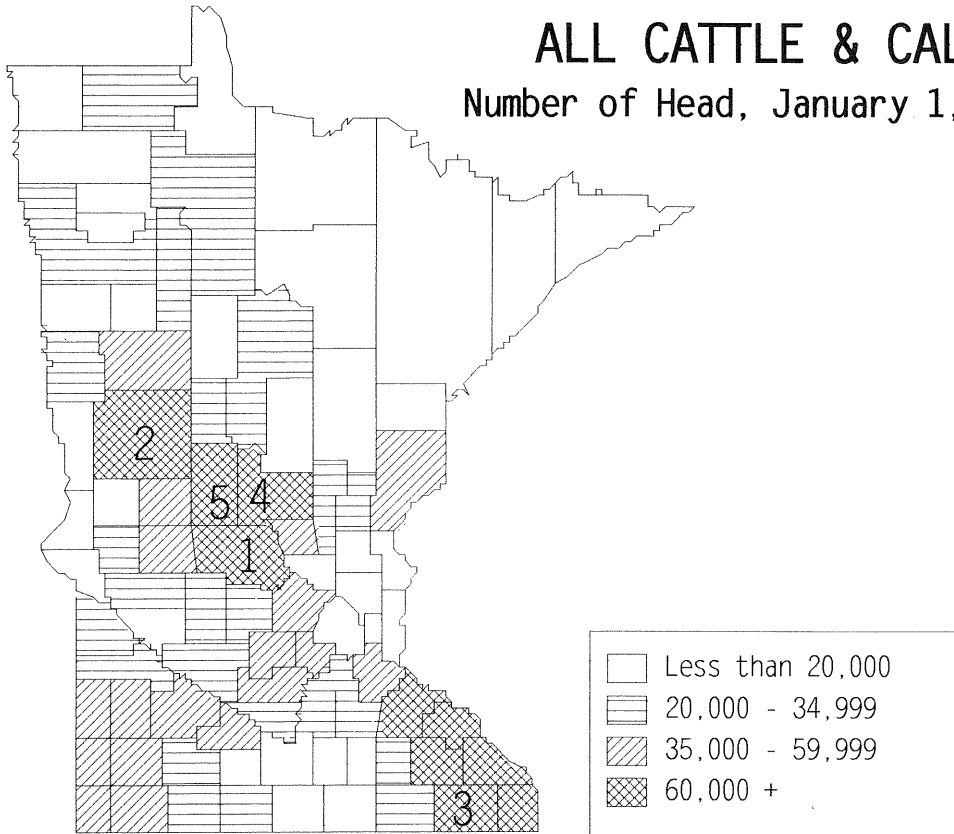


Top Five
Production
Counties
For 1996

- 1-Stearns
- 2-Otter Tail
- 3-Todd
- 4-Winona
- 5-Fillmore

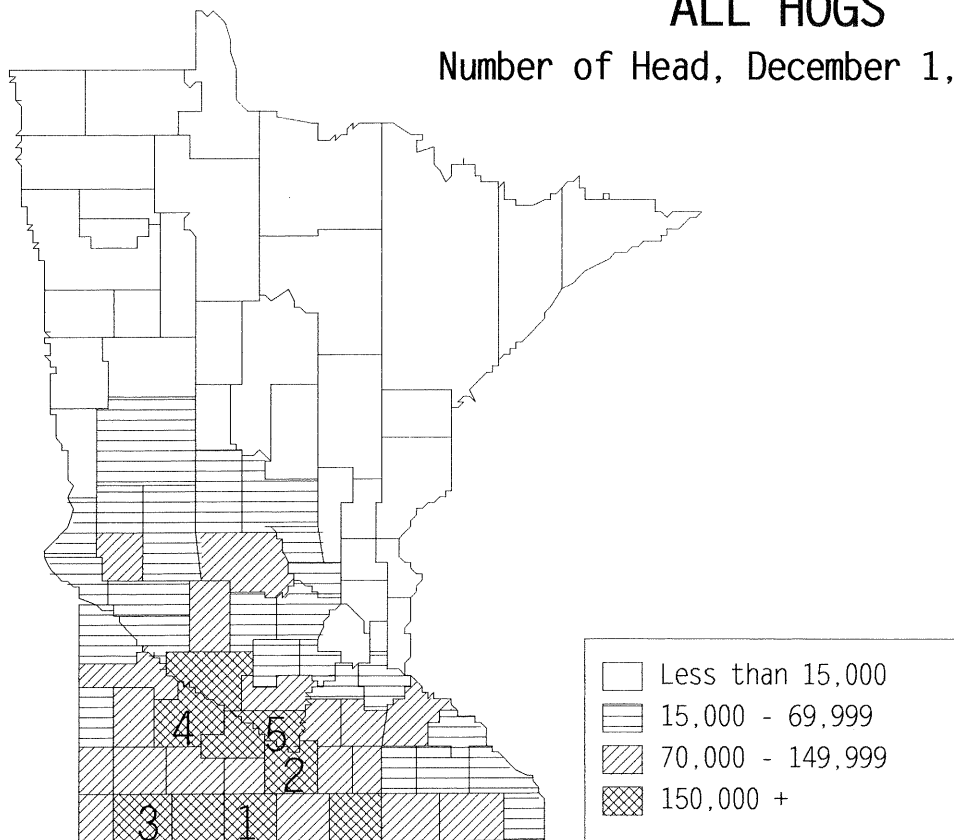
ALL CATTLE & CALVES

Number of Head, January 1, 1997



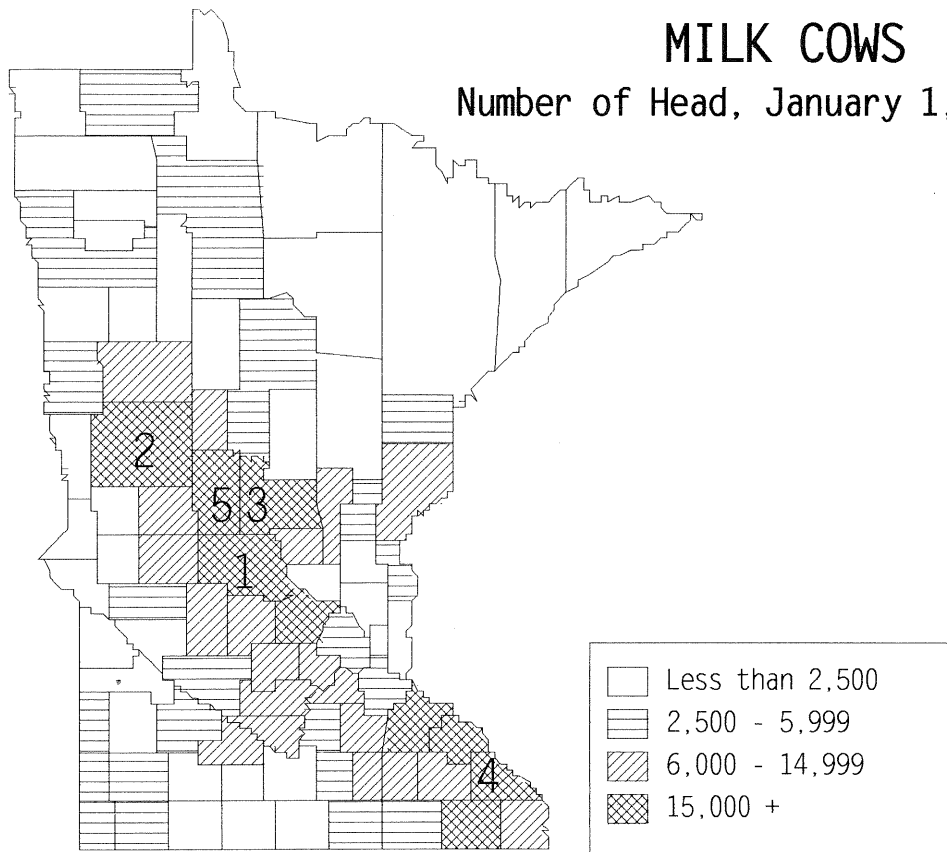
ALL HOGS

Number of Head, December 1, 1996



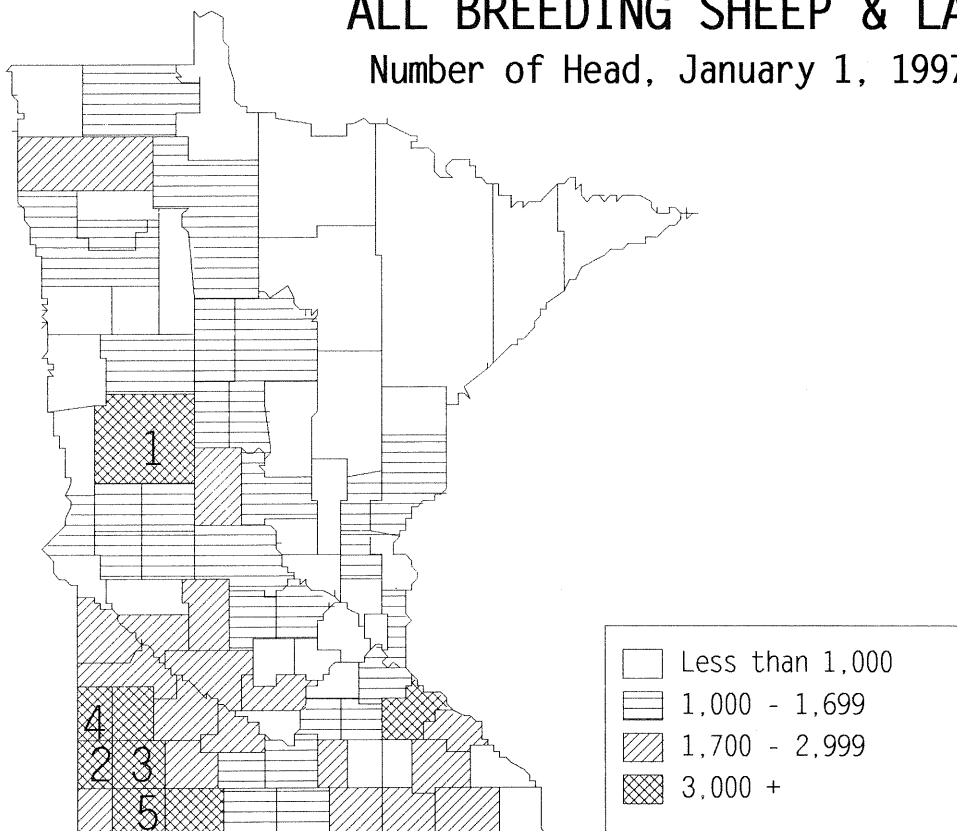
MILK COWS

Number of Head, January 1, 1997



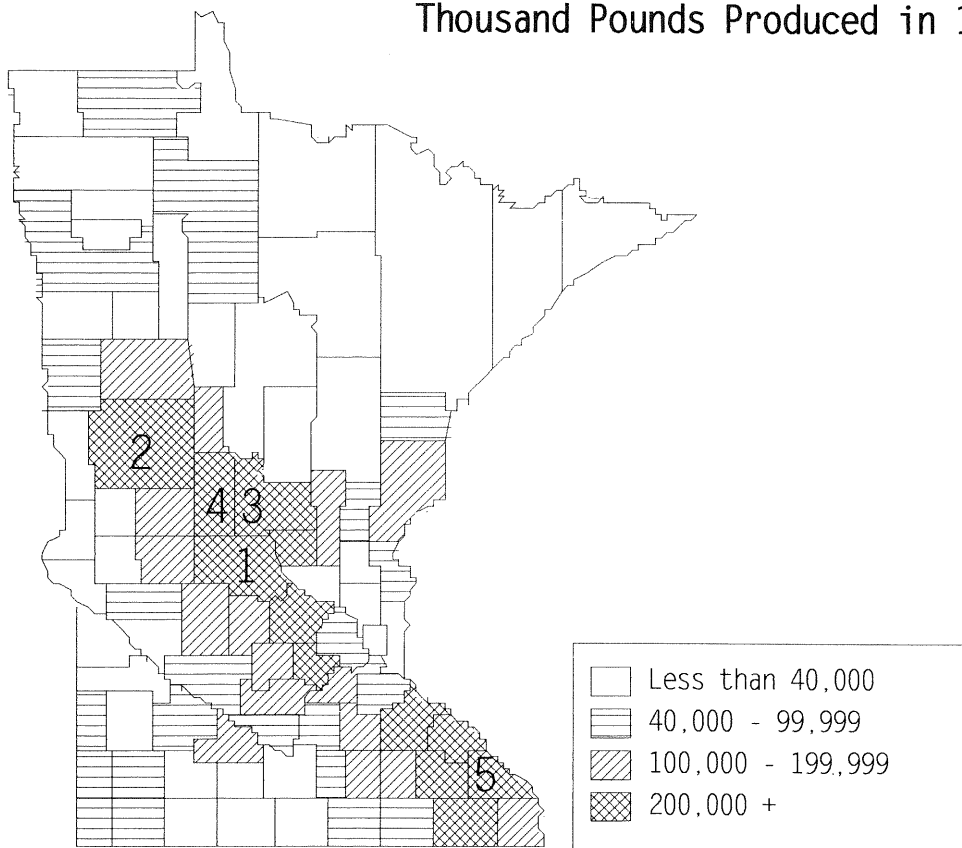
ALL BREEDING SHEEP & LAMBS

Number of Head, January 1, 1997



MILK PRODUCTION

Thousand Pounds Produced in 1996

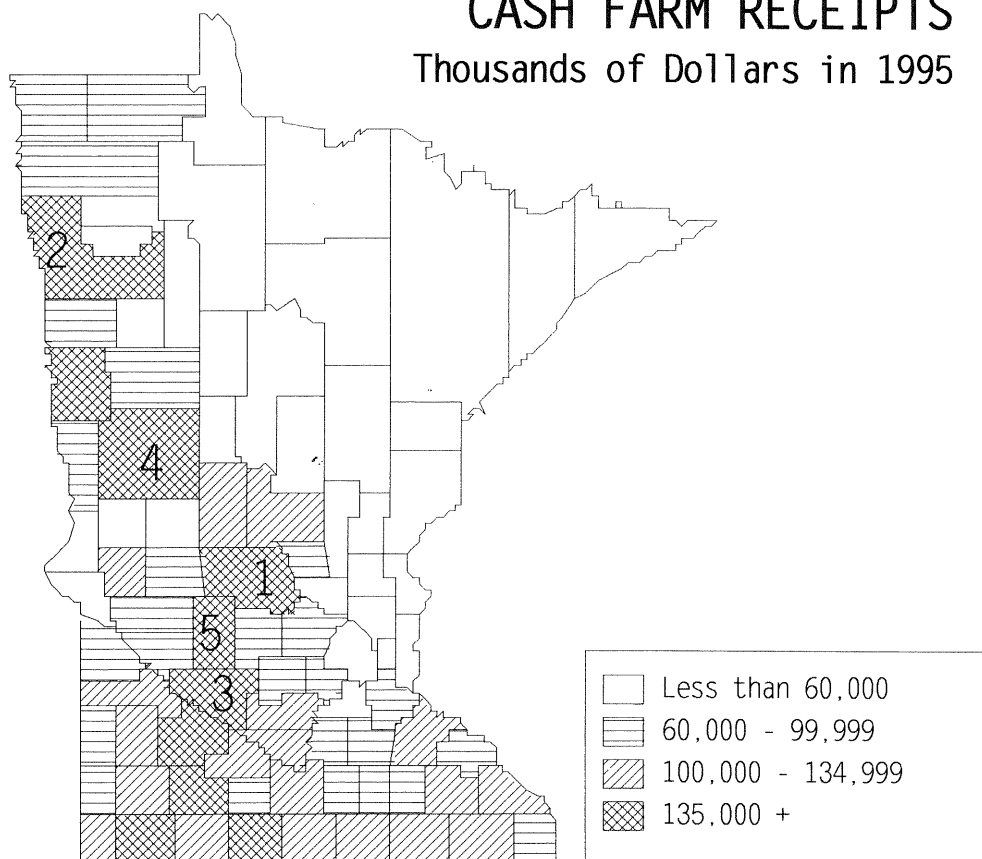


Top Five
Counties
For 1996

- 1-Stearns
- 2-Otter Tail
- 3-Morrison
- 4-Todd
- 5-Winona

CASH FARM RECEIPTS

Thousands of Dollars in 1995



Top Five
Counties
for 1995

- 1-Stearns
- 2-Polk
- 3-Renville
- 4-Otter Tail
- 5-Kandiyohi

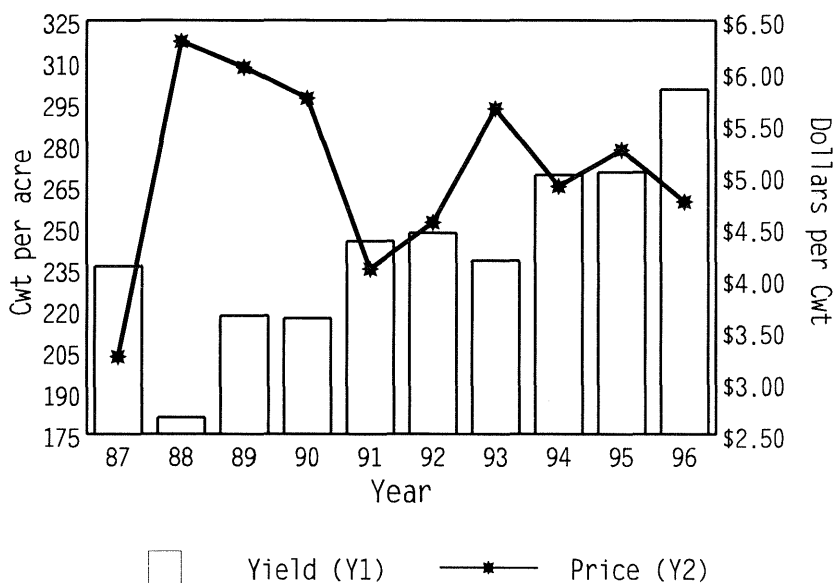
POTATOES: ACREAGE, YIELD, AND PRODUCTION, BY SELECTED COUNTIES, MINNESOTA, 1995-96

County 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Cwt		Cwt	
Clay	6,100	5,300	5,500	5,300	190	230	1,045,000	1,219,000
Kittson	4,400	4,000	3,500	4,000	165	210	577,500	840,000
Marshall	7,600	8,000	6,800	7,800	170	180	1,156,000	1,401,000
Norman	1,200	--	1,100	--	225	--	247,500	--
Polk	20,800	16,300	18,800	16,000	190	150	3,572,000	2,400,000
Red Lake	2,000	1,900	1,600	1,700	165	180	264,000	306,000
Lake of the Woods	1,300	1,500	1,100	1,400	130	191	143,000	267,000
Morrison	3,200	3,200	3,200	3,100	440	462	1,408,000	1,431,000
Sherburne	5,600	6,700	5,500	6,600	375	395	2,062,500	2,610,000
Todd	1,900	1,900	1,900	1,800	370	425	703,000	765,000
Freeborn	3,000	2,800	3,000	2,700	230	300	690,000	810,000
All Other Counties	25,900	33,400	25,000	31,600	357	397	8,921,500	12,551,000
Minnesota	83,000	85,000	77,000	82,000	270	300	20,790,000	24,600,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under All Other Counties. Also, counties where one producer represents more than 60% of the total county data are not listed separately, but are combined under All Other Counties. Counties denoted with "--" are also less than 1,000 acres and are included in All Other Counties.

POTATO YIELDS AND PRICES

Minnesota



SUGARBEETS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1995-96

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Becker	2,700	2,400	2,600	2,400	18.3	22.7	47,700	54,400
Clay	63,800	62,500	63,000	62,400	19.4	18.4	1,222,000	1,145,800
Kittson	24,800	28,200	24,600	28,000	17.4	15.8	428,900	443,400
Marshall	30,600	33,700	30,200	33,200	18.3	16.7	553,700	553,900
Norman	38,100	42,200	37,000	41,600	17.4	19.7	645,100	821,100
Polk	103,200	103,100	102,500	102,900	18.3	17.4	1,874,200	1,794,800
Red Lake	1,500	1,700	1,500	1,700	17.9	16.8	26,900	28,600
Other Counties	1,200	1,200	1,100	1,200	22.0	20.1	24,200	24,100
Northwest	265,900	275,000	262,500	273,400	18.4	17.8	4,822,700	4,866,100
Chippewa	32,900	33,300	32,200	33,100	14.2	18.5	458,600	613,600
Grant	7,800	9,200	7,500	9,100	20.0	18.3	150,200	166,600
Otter Tail	1,800	2,400	1,800	2,400	20.1	19.0	36,200	45,700
Swift	6,300	4,700	5,700	4,700	12.5	16.8	71,300	79,000
Traverse	6,800	7,900	6,400	7,800	17.4	17.5	111,200	136,700
Wilkin	34,300	36,900	33,800	36,600	20.6	18.3	697,200	668,700
Yellow Medicine	3,000	3,600	2,900	3,500	14.1	20.4	40,900	71,300
Other Counties	2,100	1,700	2,000	1,700	13.5	16.3	26,900	27,700
West Central	95,000	99,700	92,300	98,900	17.3	18.3	1,592,500	1,809,300
Kandiyohi	14,800	13,500	14,700	13,500	16.2	20.3	237,700	273,700
McLeod	1,700	1,000	1,700	900	18.9	20.1	32,200	18,100
Meeker	2,300	1,600	2,200	1,600	18.5	19.1	40,700	30,500
Renville	40,100	40,200	39,700	39,900	15.1	19.5	601,100	777,000
Sibley	3,800	6,200	3,700	6,100	17.7	20.9	65,400	127,200
Other Counties	200	300	200	300	24.0	22.7	4,800	6,800
Central	62,900	62,800	62,200	62,300	15.8	19.8	981,900	1,233,300
Redwood	3,200	3,500	3,000	3,400	12.3	18.3	36,900	62,300
Southwest	3,200	3,500	3,000	3,400	12.3	18.3	36,900	62,300
Minnesota	427,000	441,000	420,000	438,000	17.7	18.2	7,434,000	7,971,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



**DRY EDIBLE BEANS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Pounds</u>		<u>Cwt</u>	
Becker	4,200	4,300	3,700	4,000	1,300	1,400	48,100	56,000
Clay	9,400	4,500	8,500	4,300	1,400	1,400	119,000	60,200
Kittson	2,200	1,400	1,400	1,200	1,300	1,200	18,200	14,400
Mahnomen	2,000	2,600	1,600	2,400	1,450	1,600	23,200	38,400
Marshall	19,500	14,200	16,900	13,400	1,250	1,400	211,250	187,600
Norman	6,700	4,400	5,500	4,200	1,400	1,500	77,000	63,000
Polk	40,000	34,000	34,000	31,200	1,300	1,300	442,000	405,600
Red Lake	--	1,400	--	1,100	--	1,100	--	12,100
Other Counties	1,400	1,000	1,200	900	1,279	1,100	15,350	9,900
Northwest	85,400	67,800	72,800	62,700	1,311	1,351	954,100	847,200
Hubbard	7,700	7,100	6,200	6,600	1,400	1,600	86,800	105,600
Other Counties	900	1,000	900	800	1,367	1,675	12,300	13,400
North Central	8,600	8,100	7,100	7,400	1,396	1,608	99,100	119,000
Big Stone	1,400	--	1,000	--	1,300	--	13,000	--
Chippewa	4,000	1,200	2,200	1,100	1,450	1,800	31,900	19,800
Douglas	1,500	--	1,000	--	1,400	--	14,000	--
Grant	9,000	3,000	6,800	2,800	1,400	1,700	95,200	47,600
Lac Qui Parle	1,600	--	1,100	--	1,350	--	14,850	--
Otter Tail	17,100	12,700	15,100	11,800	1,650	1,600	249,100	188,800
Pope	3,700	1,700	2,800	1,600	1,350	1,500	37,800	24,000
Stevens	2,200	--	1,400	--	1,350	--	18,900	--
Swift	9,200	2,500	1,500	2,300	1,050	1,600	15,750	36,800
Traverse	1,900	--	1,200	--	1,200	--	14,400	--
Wilkin	6,900	2,200	5,900	2,000	1,250	1,500	73,750	30,000
Yellow Medicine	1,000	--	600	--	1,450	--	8,700	--
Other Counties	--	3,300	--	3,000	--	1,727	--	51,800
West Central	59,500	26,600	40,600	24,600	1,447	1,621	587,350	398,800
Benton	1,200	1,000	900	900	1,150	2,000	10,350	18,000
Kandiyohi	6,800	3,700	5,700	3,500	1,250	1,800	71,250	63,000
Meeker	1,300	--	900	--	1,350	--	12,150	--
Morrison	2,900	2,600	2,400	2,400	1,350	1,800	32,400	43,200
Renville	10,400	3,900	7,900	3,600	1,500	2,000	118,500	72,000
Sherburne	3,900	1,100	3,400	1,000	1,500	2,200	51,000	22,000
Stearns	2,200	1,900	1,700	1,700	1,300	1,600	22,100	27,200
Todd	1,200	1,300	900	1,200	1,500	1,800	13,500	21,600
Wadena	4,400	4,700	3,700	4,500	1,450	1,600	53,650	72,000
Other Counties	900	900	800	800	1,575	1,938	12,600	15,500
Central	35,200	21,100	28,300	19,600	1,405	1,809	397,500	354,500
Other Counties	--	1,300	--	1,200	--	1,450	--	17,400
South Central	--	1,300	--	1,200	--	1,450	--	17,400
Dodge	--	1,400	--	1,300	--	1,300	--	16,900
Goodhue	--	1,200	--	1,100	--	1,400	--	15,400
Mower	--	1,400	--	1,300	--	1,300	--	16,900
Other Counties	--	500	--	400	--	1,425	--	5,700
Southeast	--	4,500	--	4,100	--	1,339	--	54,900
Other Districts	1,300	600	1,200	400	1,413	2,050	16,950	8,200
Minnesota	190,000	130,000	150,000	120,000	1,370	1,500	2,055,000	1,800,000

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**ALL SUNFLOWERS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Pounds		Pounds	
Becker	16,600	2,300	16,400	2,300	998	1,391	16,370,000	3,200,000
Clay	34,400	6,000	34,100	5,800	1,201	1,674	40,965,000	9,710,000
Clearwater	1,700	--	1,600	--	1,100	--	1,760,000	--
Kittson	37,800	22,100	36,500	20,900	1,300	1,300	47,450,000	27,170,000
Mahnomen	15,100	--	14,800	--	1,000	--	14,800,000	--
Marshall	57,900	25,000	57,400	23,600	1,205	1,254	69,140,000	29,600,000
Norman	37,700	7,800	37,100	7,500	962	1,526	35,700,000	11,445,000
Pennington	31,100	12,200	30,600	12,000	912	1,086	27,915,000	13,035,000
Polk	82,200	30,300	81,700	29,600	1,040	1,172	84,930,000	34,680,000
Red Lake	20,600	11,200	20,100	10,900	804	1,186	16,170,000	12,925,000
Roseau	37,500	13,800	37,200	13,600	926	1,407	34,440,000	19,135,000
Other Counties	--	1,800	--	1,800	--	1,650	--	2,970,000
Northwest	372,600	132,500	367,500	128,000	1,060	1,280	389,640,000	163,870,000
Beltrami	1,700	1,200	1,700	1,100	800	1,041	1,360,000	1,145,000
Lake of the Woods	1,000	--	900	--	872	--	785,000	--
Other Counties	600	700	600	700	992	1,129	595,000	790,000
North Central	3,300	1,900	3,200	1,800	856	1,075	2,740,000	1,935,000
Grant	5,700	1,700	5,600	1,600	950	1,400	5,320,000	2,240,000
Otter Tail	10,100	4,300	9,900	4,200	1,058	1,275	10,475,000	5,355,000
Stevens	3,000	--	2,900	--	848	--	2,460,000	--
Traverse	13,600	--	13,100	--	923	--	12,090,000	--
Wilkin	22,500	4,400	21,900	4,300	1,061	1,388	23,235,000	5,970,000
Other Counties	2,100	1,100	2,000	1,100	980	991	1,960,000	1,090,000
West Central	57,000	11,500	55,400	11,200	1,003	1,308	55,540,000	14,655,000
Morrison	3,000	1,400	3,000	1,300	1,200	1,000	3,600,000	1,300,000
Todd	1,600	--	1,500	--	1,100	--	1,650,000	--
Other Counties	1,000	1,900	1,000	1,900	940	1,116	940,000	2,120,000
Central	5,600	3,300	5,500	3,200	1,125	1,069	6,190,000	3,420,000
Other Counties	1,200	--	1,100	--	873	--	960,000	--
East Central	1,200	--	1,100	--	873	--	960,000	--
Other Districts	300	800	300	800	1,200	975	360,000	780,000
Minnesota	440,000	150,000	433,000	145,000	1,052	1,274	455,430,000	184,660,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



**OIL SUNFLOWERS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Pounds		Pounds	
Becker	16.400	2.100	16.200	2.100	1,000	1,400	16,200,000	2,940,000
Clay	33.500	5.400	33.200	5.200	1,200	1,700	39,840,000	8,840,000
Clearwater	1.300	--	1.200	--	1,150	--	1,380,000	--
Kittson	29.600	14.300	28.500	13.500	1,300	1,300	37,050,000	17,550,000
Mahnomen	11.800	--	11.700	--	1,000	--	11,700,000	--
Marshall	52.500	19.300	52.200	18.200	1,200	1,300	62,640,000	23,660,000
Norman	28.300	3.400	28.000	3.300	950	1,750	26,600,000	5,775,000
Pennington	28.400	9.200	28.100	9.100	900	1,050	25,290,000	9,555,000
Polk	49.700	12.900	49.400	12,800	1,000	1,200	49,400,000	15,360,000
Red Lake	14.300	7.100	14,000	7,000	850	1,150	11,900,000	8,050,000
Roseau	31.400	9.800	31,200	9,700	950	1,450	29,640,000	14,065,000
Other Counties	--	1,500	--	1,500	--	1,720	--	2,580,000
Northwest	297.200	85.000	293,700	82,400	1,061	1,315	311,640,000	108,375,000
Beltrami	1.700	--	1,700	--	800	--	1,360,000	--
Other Counties	1,100	1,000	1,000	900	955	956	955,000	860,000
North Central	2,800	1,000	2,700	900	857	956	2,315,000	860,000
Grant	5.700	1,700	5,600	1,600	950	1,400	5,320,000	2,240,000
Otter Tail	9.900	3,500	9,700	3,500	1,050	1,250	10,185,000	4,375,000
Stevens	2.900	--	2,800	--	850	--	2,380,000	--
Traverse	12.200	--	11,900	--	900	--	10,710,000	--
Wilkin	20.700	3,900	20,300	3,800	1,050	1,400	21,315,000	5,320,000
Other Counties	1,800	1,000	1,700	1,000	994	950	1,690,000	950,000
West Central	53.200	10,100	52,000	9,900	992	1,302	51,600,000	12,885,000
Morrison	3,000	1,400	3,000	1,300	1,200	1,000	3,600,000	1,300,000
Todd	1,600	--	1,500	--	1,100	--	1,650,000	--
Other Counties	800	1,800	800	1,800	900	1,111	720,000	2,000,000
Central	5,400	3,200	5,300	3,100	1,126	1,065	5,970,000	3,300,000
Other Counties	1,100	--	1,000	--	865	--	865,000	--
East Central	1,100	--	1,000	--	865	--	865,000	--
Other Districts	300	700	300	700	1,200	971	360,000	680,000
Minnesota	360,000	100,000	355,000	97,000	1,050	1,300	372,750,000	126,100,000

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FLAX: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1995-96

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	Acres		Acres		Bushels		Bushels	
Kittson	3.300	--	2,400	--	23.0	--	55,200	--
Marshall	1,800	--	1,800	--	21.0	--	37,800	--
Roseau	2,500	1,500	2,500	1,500	15.0	16.0	37,500	24,000
Other Counties	1,800	1,900	1,800	1,900	18.1	14.6	32,500	27,800
Northwest	9,400	3,400	8,500	3,400	19.2	15.2	163,000	51,800
Other Districts	600	600	500	600	16.0	13.7	8,000	8,200
Minnesota	10,000	4,000	9,000	4,000	19.0	15.0	171,000	60,000

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**SWEET CORN FOR PROCESSING: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Pope	1,100	3,000	1,000	2,800	5.61	5.21	5,610	14,600
Other Counties	--	1,400	--	1,400	--	6.50	--	9,100
<u>West Central</u>	1,100	4,400	1,000	4,200	5.61	5.64	5,610	23,700
Kandiyohi	1,300	2,000	1,200	1,800	5.61	6.33	6,730	11,400
McLeod	3,100	2,700	2,700	2,600	5.60	5.92	15,130	15,400
Meeker	1,500	1,200	1,300	900	5.71	6.11	7,420	5,500
Renville	24,100	25,100	20,500	23,400	5.80	6.43	118,910	150,500
Sherburne	2,200	1,500	1,900	1,400	5.31	5.21	10,080	7,300
Sibley	8,400	6,700	7,200	6,500	5.60	5.52	40,330	35,900
Stearns	--	1,800	--	1,300	--	6.92	--	9,000
Other Counties	1,200	800	900	500	5.94	5.20	5,350	2,600
<u>Central</u>	41,800	41,800	35,700	38,400	5.71	6.19	203,950	237,600
Redwood	8,200	6,400	6,600	6,200	5.90	7.23	38,950	44,800
Other Counties	--	100	--	100	--	5.00	--	500
<u>Southwest</u>	8,200	6,500	6,600	6,300	5.90	7.19	38,950	45,300
Blue Earth	1,500	1,900	1,300	1,700	5.71	5.65	7,420	9,600
Brown	12,000	10,600	10,300	10,300	6.30	6.32	64,900	65,100
Faribault	10,900	8,800	9,300	8,500	5.90	6.35	54,880	54,000
Freeborn	6,100	6,400	5,200	6,200	5.70	5.39	29,650	33,400
Le Sueur	1,600	1,200	1,400	900	5.71	7.78	7,990	7,000
Martin	1,900	1,900	1,500	1,800	6.01	6.00	9,010	10,800
Nicollet	3,800	3,000	3,300	2,900	5.90	6.41	19,480	18,600
Steele	3,700	3,300	3,200	3,100	5.80	6.65	18,570	20,600
Waseca	6,400	4,600	5,200	4,500	5.70	6.67	29,650	30,000
Other Counties	600	800	600	800	5.77	6.38	3,460	5,100
<u>South Central</u>	48,500	42,500	41,300	40,700	5.93	6.25	245,010	254,200
Dakota	4,400	4,100	4,000	3,900	5.70	5.56	22,810	21,700
Dodge	3,800	5,100	3,500	4,400	5.80	5.68	20,310	25,000
Goodhue	7,300	4,700	7,000	4,500	5.50	5.51	38,510	24,800
Mower	5,600	5,700	5,100	5,600	5.50	5.25	28,060	29,400
Olmsted	6,700	6,600	6,100	6,500	5.70	4.40	34,780	28,600
Wabasha	4,600	3,900	4,200	3,600	5.50	4.97	23,110	17,900
Other Counties	1,300	1,400	1,300	1,400	5.62	6.00	7,300	8,400
<u>Southeast</u>	33,700	31,500	31,200	29,900	5.61	5.21	174,880	155,800
<u>Other Districts</u>	600	800	600	600	5.38	4.67	3,230	2,800
<u>Minnesota</u>	133,900	127,500	116,400	120,100	5.77	5.99	671,630	719,400

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GREEN PEAS FOR PROCESSING: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1995-96

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1995	1996	1995	1996	1995	1996	1995	1996
	<u>Acres</u>		<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Kandiyohi	1,100	1,400	1,100	1,200	0.82	1.27	900	1,530
McLeod	1,400	1,400	1,300	1,300	0.92	1.54	1,200	2,000
Meeker	2,000	1,900	1,900	1,600	1.05	1.69	2,000	2,700
Renville	15,600	13,700	14,000	13,000	1.35	1.45	18,900	18,900
Sibley	6,900	5,800	6,600	5,600	1.24	1.50	8,200	8,400
Other Counties	400	1,200	400	1,100	1.25	1.64	500	1,800
<u>Central</u>	27,400	25,400	25,300	23,800	1.25	1.48	31,700	35,330
Redwood	4,300	2,800	3,700	2,600	1.24	1.92	4,600	5,000
Other Counties	--	100	--	100	--	2.00	--	200
<u>Southwest</u>	4,300	2,900	3,700	2,700	1.24	1.93	4,600	5,200
Blue Earth	2,300	3,000	2,000	2,700	0.90	1.59	1,800	4,300
Brown	9,600	6,700	8,200	6,500	1.26	1.45	10,300	9,400
Faribault	6,200	3,500	5,400	3,400	1.02	1.88	5,500	6,400
Freeborn	2,600	1,700	2,400	1,400	1.42	1.36	3,400	1,900
Le Sueur	1,500	1,600	1,400	1,500	1.36	1.33	1,900	2,000
Martin	2,300	2,000	2,000	1,800	1.05	1.28	2,100	2,300
Nicollet	3,300	2,400	3,100	2,300	1.26	1.52	3,900	3,500
Steele	3,600	3,400	3,200	3,300	1.34	1.79	4,300	5,900
Waseca	4,100	2,700	3,600	2,400	1.00	1.92	3,600	4,600
Other Counties	1,300	1,300	1,100	1,200	1.27	1.58	1,400	1,900
<u>South Central</u>	36,800	28,300	32,400	26,500	1.18	1.59	38,200	42,200
Dakota	3,400	3,700	3,200	3,500	1.38	1.40	4,400	4,900
Dodge	2,500	3,400	2,500	3,200	1.36	1.47	3,400	4,700
Goodhue	4,300	3,200	4,100	3,100	1.39	2.06	5,700	6,400
Mower	6,400	6,800	6,400	6,000	1.39	1.40	8,900	8,400
Olmsted	4,200	4,000	4,200	3,800	1.38	1.84	5,800	7,000
Wabasha	2,000	1,800	2,000	1,700	1.40	2.06	2,800	3,500
Other Counties	1,600	1,900	1,600	1,800	1.31	1.94	2,100	3,500
<u>Southeast</u>	24,400	24,800	24,000	23,100	1.38	1.66	33,100	38,400
<u>Other Districts</u>	--	1,500	--	1,400	--	1.50	--	2,100
<u>Minnesota</u>	92,900	82,900	85,400	77,500	1.26	1.59	107,600	123,230

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GRAIN AND HAY STOCKS: SPECIFIED CROPS BY STORAGE POSITION, MINNESOTA, 1993-97

Year	On Farm				All Storage Positions			
	Mar	Jun	Sep	Dec	Mar	June	Sept	Dec
Corn								
	<u>1,000 Bushels</u>							
1993	450,000	300,000	160,000	325,000	578,448	399,065	261,904	445,698
1994	240,000	140,000	50,000	640,000	355,784	231,367	94,725	827,942
1995	495,000	350,000	120,000	500,000	647,694	460,629	228,852	670,212
1996	320,000	145,000	25,000	555,000	471,643	221,883	44,204	689,934
1997	390,000				500,616			
Soybeans								
	<u>1,000 Bushels</u>							
1993	92,000	60,000	27,500	78,000	137,348	91,000	49,806	126,746
1994	64,500	30,000	11,000	119,000	104,945	59,789	25,768	202,333
1995	100,000	67,000	19,500	125,000	163,393	109,719	54,583	205,592
1996	90,000	52,000	11,000	120,000	150,941	91,078	22,171	182,877
1997	84,000				127,983			
All Wheat								
	<u>1,000 Bushels</u>							
1993	33,000	17,000	74,000	60,000	66,207	41,945	102,047	94,468
1994	35,000	16,000	60,000	46,000	69,922	48,912	98,551	79,610
1995	32,000	16,000	60,000	42,000	63,837	41,716	97,934	76,419
1996	22,000	5,000	90,000	60,000	55,179	27,154	120,228	84,769
1997	34,000				56,256			
Oats								
	<u>1,000 Bushels</u>							
1993	16,000	10,000	21,000	16,000	32,680	22,732	35,011	35,970
1994	11,000	8,000	17,000	14,000	27,901	26,848	39,389	44,622
1995	12,000	7,500	13,000	11,000	39,462	28,502	32,182	31,282
1996	7,000	3,500	11,000	9,000	24,024	13,962	20,123	24,826
1997	7,000				18,736			
Barley								
	<u>1,000 Bushels</u>							
1993	18,000	10,000	28,000	22,000	47,364	32,601	52,491	55,489
1994	13,000	8,000	19,000	14,000	32,500	25,039	40,140	38,239
1995	9,000	5,900	18,000	13,500	35,616	27,958	44,110	40,005
1996	8,500	4,000	21,000	16,500	39,634	26,220	43,375	39,662
1997	12,000				33,351			
All Hay								
	<u>1,000 Tons</u>							
1993			1,114	3,881			Off-Farm Hay Stocks Not Estimated	
1994			716	4,895				
1995			753	4,374				
1996			694	4,018				
1997			540					

Note: All estimates are for the first of the month.

CROP MARKETINGS: PERCENT MARKETED BY MONTH, MINNESOTA, 1992-96

Crop Marketing Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Corn												
	Percent											
1992-93	7	16	15	9	7	8	6	5	6	6	7	8
1993-94	11	14	10	8	5	8	6	8	8	8	8	6
1994-95	6	11	6	7	4	5	5	6	12	14	13	11
1995-96	17	11	6	10	7	8	10	9	9	7	3	3
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Soybeans												
	Percent											
1992-93	6	22	9	7	8	5	7	6	9	10	7	4
1993-94	5	18	9	10	7	5	8	6	11	6	8	7
1994-95	4	16	8	7	7	6	7	7	10	8	13	7
1995-96	10	20	8	6	7	5	8	7	5	8	10	6
Dry Edible Beans												
	Percent											
1992-93	25	17	10	9	9	2	3	4	4	9	3	5
1993-94	17	33	14	8	6	2	3	3	4	8	2	0
1994-95	41	16	7	8	6	4	7	3	2	4	1	1
1995-96	30	16	8	5	5	6	15	4	3	4	1	3
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
All Wheat												
	Percent											
1992-93	1	6	11	12	10	16	12	8	9	6	5	4
1993-94	6	5	10	9	10	12	9	9	10	7	8	5
1994-95	9	14	10	8	7	10	8	5	5	7	9	8
1995-96	7	16	11	6	7	11	9	6	10	6	6	5
Oats												
	Percent											
1992-93	10	25	12	6	5	6	4	8	7	7	5	5
1993-94	10	30	14	9	3	4	4	4	7	6	5	4
1994-95	22	29	9	4	2	5	4	3	5	5	5	7
1995-96	15	29	10	5	5	6	4	5	5	7	4	5
Barley												
	Percent											
1992-93	6	15	14	7	8	12	7	6	8	4	5	8
1993-94	6	11	8	7	9	12	8	8	13	6	4	8
1994-95	10	19	10	5	7	12	9	5	7	7	4	5
1995-96	9	13	11	7	13	11	10	6	4	5	2	9
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
All Hay												
	Percent											
1992-93	8	10	5	8	4	6	8	8	11	21	3	8
1993-94	17	12	13	13	5	6	4	4	7	12	4	3
1994-95	17	12	13	13	5	6	4	4	7	12	4	3
1995-96	8	11	11	12	7	2	6	7	10	13	5	8



CULTIVATED WILD RICE

Wild Rice is the only cereal grain native to the United States. In 1977, the State Legislature designated wild rice as Minnesota's official State Grain.

The cultivated crop is grown in the northern one-third of the state on an estimated 18,500 acres in the counties of Aitkin, Beltrami, Cass, Clearwater, Crow Wing, Itasca, Koochiching, Lake of the Woods, Polk, and Pennington.

In 1996, cultivated wild rice production was 5.7 million processed pounds, up 27% from 1995.

SOURCE: MINNESOTA CULTIVATED WILD RICE COUNCIL

MINNESOTA FERTILIZER USE

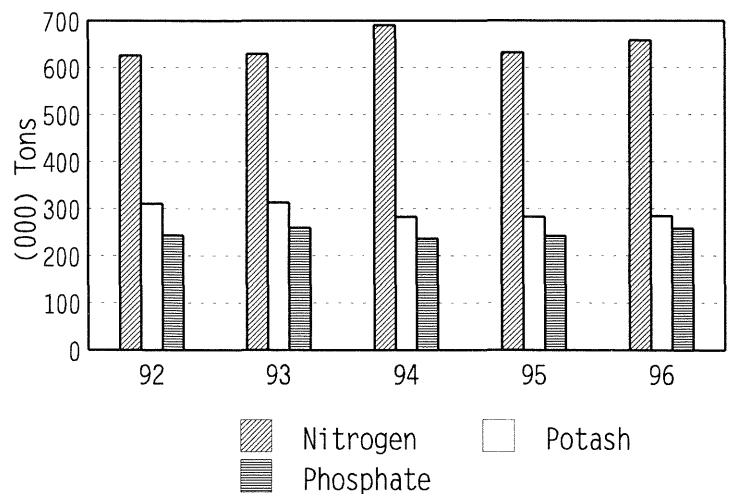
Minnesota fertilizer consumption totaled 2.2 million tons for the year ending June 30, 1996, an increase of 2% from the previous year. Minnesota was the 7th ranking state in total tonnage.

Usage of the primary nutrients is shown on the chart; nitrogen increased 4% from 1995, while phosphate (P_2O_5) usage was up 7% and potash (K_2O) usage increased 1%.

Fertilizer consumption represents all commercial fertilizer sold or shipped for farm and non-farm use as fertilizer.

SOURCE: THE ASSOCIATION OF AMERICAN PLANT FOOD CONTROL OFFICIALS, UNIVERSITY OF KENTUCKY

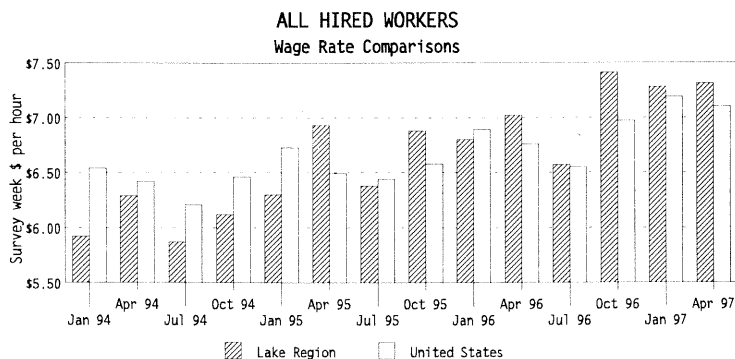
MINNESOTA'S USE OF PRIMARY NUTRIENTS AS FERTILIZER



FARM LABOR

The purpose of the quarterly Agriculture Labor Survey is to provide regional and national estimates of the number of farm workers and hours worked as well as wage rates. The data are used to determine farm labor's effect on production costs, evaluate the impact of wage rate changes, establish assistance for farm workers, and to define the nation's need for farm labor.

In April 1991, state level estimates of all farm workers, the number of hired workers, and their average wage rates became available. The survey week for each quarter is the week that includes the twelfth day of the month. Beginning in 1996, only U.S. and regional data are available on a quarterly basis. State level wage rate data are available annually for the October survey period.



HIRED WORKERS: ANNUAL AVERAGE WAGE RATES, MINNESOTA, 1992-96

Year	All Hired	Field	Field & Livestock
<u>Dollars Per Hour</u>			
1992	6.41	6.21	6.07
1993	6.78	7.13	6.24
1994	6.44	6.57	6.04
1995	6.91	6.84	6.61
1996	7.85	7.75	7.44

FARM LABOR: FARM WORKERS AND WAGES BY TYPE OF WORK, LAKE REGION, 1995-97 1/

Year and Month	Hired Workers and Hours Worked				Wages, Type of Work			
	Number of Workers	Expected To Be Employed		Number of Hours Worked	All Hired	Field	Livestock	Field & Livestock
		150 Days or More	149 Days or Less					
	<u>1,000 Workers</u>				<u>Dollars Per Hour</u>			
1995								
January	56	47	9	36.3	6.30	6.86	5.56	5.83
April	64	46	18	39.6	6.93	6.70	5.79	6.28
July	90	43	47	35.1	6.38	6.18	5.71	6.03
October	76	38	38	40.2	6.88	6.70	5.92	6.51
1996								
January	40	33	7	33.9	6.80	6.97	5.68	5.97
April	59	44	15	36.7	7.02	6.78	6.39	6.56
July	81	51	30	35.5	6.57	6.51	6.02	6.31
October	67	40	27	37.7	7.41	7.56	6.47	7.13
1997								
January	44	39	5	37.2	7.28	7.74	6.20	6.66
April	63	50	13	33.6	7.31	7.50	6.56	6.91

1/ Lake Region = Minnesota, Michigan, Wisconsin.

Section 3

*Livestock,
Dairy,
Poultry*



LIVESTOCK SUMMARY

Cattle on Minnesota farms on January 1, 1997, were 5% below a year earlier. Minnesota's 1996 calf crop at 980,000 was 3% below 1995. Meanwhile, sheep and lambs were down 3% from January 1, 1996. The inventory of all hogs on December 1, 1996, was 2% below the previous year. Farrowings at 945,000 head in 1996 were down 5% from the previous year. A crop of 8,269,000 pigs was produced in the state during 1996, a decrease of 4% from 1995. The average annual litter rate of 8.75 was a record high for the state. All chickens on farms were up 1% from a year earlier.

The combined value of all livestock and poultry on Minnesota farms was over \$2.1 billion in 1996. All cattle and calves, valued at \$1.7 billion, were 2% below a year earlier. The value of hogs on hand on December 1, 1996, accounted for \$475 million, up 30%; all sheep and lambs, \$18.0 million, down 3%; and all chickens, \$22.5 million, up 1%.

Cattle, hog, and milk cow operations each dropped 1,000 from 1995. Beef cow operations remained steady, while sheep operations dropped 200.



LIVESTOCK: JANUARY 1 INVENTORY, MINNESOTA, 1993-97

Year	All Cattle	Cattle on Feed	Milk Cows	Beef Cows	Hogs 1/	All Sheep
			1,000 Head			
1993	2,750	330	645	405	4,700	245
1994	2,700	330	620	380	4,750	213
1995	2,800	310	600	420	4,850	190
1996	2,900	335	600	440	4,950	185
1997	2,750	300	595	405	4,850	180

1/ Inventory as of December 1 previous year.

LIVESTOCK: NUMBER OF OPERATIONS, MINNESOTA, 1992-96 1/

Year	Number of Operations With					
	All Cattle	Cattle on Feed	Milk Cows	Beef Cows	Hogs	All Sheep
			Operations			
1992	39,000	8,000	14,000	16,000	14,000	4,800
1993	38,000	8,000	13,500	16,000	14,000	4,000
1994	38,000	8,000	12,500	16,000	14,000	3,600
1995	37,000	8,000	12,000	16,000	12,000	3,500
1996	36,000	2/	11,000	16,000	11,000	3,300

1/ An operation is any farm having one or more head of livestock on hand at any time during the year. Addition may exceed total farms in the state.

2/ Number of Operations for Cattle on Feed discontinued.

LIVESTOCK, DAIRY, AND POULTRY: PRODUCTION RECORDS, MINNESOTA AND UNITED STATES

Item	Number	Record High Date	Item	Number	Record High Date
All Cattle Inventories:		Jan 1, 1964 & 1965	Annual Pig Crop:		
Minnesota	4,518,000		Minnesota	8,937,000	1980
United States	132,028,000	1975	United States	121,807,000	1944
Beef Cows:			Annual Milk Production:		
Minnesota	751,000	1976	(Mil. Lbs.)		
United States	45,712,000	1975	Minnesota	11,155	1964
Milk Cows:			United States	155,425	1995
Minnesota	1,893,000	1934	Milk Production Per Cow (Lbs.):		
United States	27,770,000	1945	Minnesota	15,786	1996
Cattle on Feed:		Jan 1, 1970	United States	16,498	1996
Minnesota	589,000		All Sheep And Lambs:		Jan 1, 1943
United States	14,432,000	1973	Minnesota	1,496,000	
Calves Born:			United States	56,213,000	1942
Minnesota	1,867,000	1944	Breeding Sheep:		Jan 1, 1942 & 1943
United States	50,873,000	1974	Minnesota	1,201,000	
All Hogs by Qtr:			United States	49,346,000	1942
March 1: 1/			Lamb Crop:		
Minnesota	5,000,000	1997	Minnesota	1,015,000	1942
June 1: 2/			United States	32,610,000	1941
Minnesota	5,928,000	1951	All Chickens:		Dec 1, 1944
September 1: 1/			Minnesota	31,742,000	
Minnesota	5,518,000	1955	United States	582,197,000	1944
December 1: 1/			Eggs Per Layer:		
Minnesota	5,100,000	1980	Minnesota	260	1992
United States	83,741,000	1944	United States	255	1996
Annual Pigs Per Litter:			Turkeys Raised:		
Minnesota	8.75	1996	Minnesota	46,300,000	1990
United States	8.50	1996	United States	301,378,000	1996

1/ March 1, September 1, and December 1 data available since 1954.
2/ June 1 estimates were started in 1950.

CATTLE: OPERATIONS AND INVENTORY BY SIZE GROUPS, MINNESOTA, 1992-96

Year	Percent of Operations Having:					Percent of Inventory on Operations Having:				
	1-49 Head	50-99 Head	100-499 Head	500-999 Head	1,000+ Head	1-49 Head	50-99 Head	100-499 Head	500-999 Head	1,000+ Head
	<u>Percent</u>					<u>Percent</u>				
1992	45.1	31.0	23.1	0.8	1/	13.0	29.0	49.0	9.0	1/
1993	46.3	29.2	23.7	0.5	0.3	13.0	26.0	51.0	5.0	5.0
1994	46.8	28.7	23.7	0.5	0.3	13.0	26.0	51.0	5.0	5.0
1995	45.7	28.6	24.6	0.8	0.3	12.0	26.0	50.0	7.0	5.0
1996	44.7	28.6	25.6	0.8	0.3	11.0	24.0	53.0	7.0	5.0

1/ Prior to 1993, the largest category was 500+.

BEEF COWS: OPERATIONS AND INVENTORY BY SIZE GROUPS, MINNESOTA, 1992-96

Year	Percent of Operations Having:				Percent of Inventory on Operations Having:			
	1-49 Head	50-99 Head	100-499 Head	500+ Head	1-49 Head	50-99 Head	100-499 Head	500+ Head
	<u>Percent</u>				<u>Percent</u>			
1992	84.5	12.4	3.1	1/	50.0	31.0	19.0	1/
1993	84.4	12.5	3.0	0.1	49.0	32.0	16.0	3.0
1994	84.4	12.5	3.0	0.1	51.0	30.0	16.0	3.0
1995	84.4	12.5	3.0	0.1	52.0	29.0	15.0	4.0
1996	84.4	12.5	3.0	0.1	50.0	30.0	16.0	4.0

1/ Prior to 1993, the largest category was 100+.

MILK COWS: OPERATIONS AND INVENTORY BY SIZE GROUPS, MINNESOTA, 1992-96

Year	Percent of Operations Having:					Percent of Inventory on Operations Having:				
	1-29 Head	30-49 Head	50-99 Head	100-199 Head	200+ Head	1-29 Head	30-49 Head	50-99 Head	100-199 Head	200+ Head
	<u>Percent</u>					<u>Percent</u>				
1992	25.0	39.3	30.0	5.7	1/	9.5	32.9	40.9	16.7	1/
1993	24.5	40.0	29.6	5.4	0.5	9.4	32.5	41.4	14.0	2.7
1994	23.2	37.6	32.8	5.8	0.6	8.9	31.0	42.0	15.0	3.1
1995	20.8	37.5	34.2	6.5	1.0	7.8	28.0	43.0	16.0	5.2
1996	19.1	37.3	34.6	7.5	1.5	7.0	26.0	41.0	17.0	9.0

1/ Prior to 1993, the largest category was 100+.

HOGS: OPERATIONS AND INVENTORY BY SIZE GROUPS, MINNESOTA, 1992-96

Year	Percent of Operations Having:					Percent of Inventory on Operations Having:				
	1-99 Head	100-499 Head	500-999 Head	1,000-1,999 Head	2,000+ Head	1-99 Head	100-499 Head	500-999 Head	1,000-1,999 Head	2,000+ Head
	<u>Percent</u>					<u>Percent</u>				
1992	40.7	38.6	12.9	6.0	1.8	4.0	29.0	25.0	23.0	19.0
1993	42.2	37.1	12.9	5.4	2.4	4.0	25.0	25.0	20.0	26.0
1994	42.9	37.1	12.1	5.0	2.9	4.0	25.0	22.0	20.0	29.0
1995	46.7	30.8	12.5	6.7	3.3	3.0	18.0	20.0	22.0	37.0
1996	45.5	30.0	12.7	7.3	4.5	3.0	15.0	18.0	22.0	42.0

LIVESTOCK AND POULTRY: INVENTORY AND VALUES, MINNESOTA, 1995-97

Class	Number on Farms			Value per Head			Total Inventory Value		
	1995	1996	1997	1995	1996	1997	1995	1996	1997
	<u>1,000 Head</u>			<u>Dollars</u>			<u>1,000 Dollars</u>		
All Cattle & Calves, Jan 1	2,800	2,900	2,750	670.00	590.00	610.00	1,876,000	1,711,000	1,677,500
Total Cows That Have Calved	1,020	1,040	1,000						
Beef Cows	420	440	405						
Milk Cows	600	600	595						
Total Heifers 500 + Lbs.	645	660	640						
Beef Replacement	95	95	90						
Milk Replacement	330	330	330						
Other	220	235	220						
Steers 500 Lbs. +	530	570	510						
Bulls 500 Lbs. +	35	40	40						
Calves Under 500 Lbs.	570	590	560						
Cattle & Calves on Feed, Jan 1	310	335	300						
Calf Crop	1,010	980	--						
All Hogs & Pigs, Dec 1 1/	4,850	4,950	4,850	55.00	74.00	98.00	266,750	366,300	475,300
Pig Crop	8,588	8,269	--						
All Sheep & Lambs, Jan 1	190	185	180	76.00	100.00	100.00	14,440	18,500	18,000
Breeding Sheep & Lambs	140	135	130						
Ewes 1 Year +	110	110	105						
Rams 1 year +	6	5	5						
Replacement Lambs	24	20	20						
Market Sheep & Lambs	50	50	50						
Lambs Under 65 Lbs.	4	7	7						
Lambs 65-84 Lbs.	6	8	9						
Lambs 85-105 Lbs.	18	15	16						
Lambs Over 105 Lbs.	20	18	16						
Sheep	2	2	2						
Lamb Crop	160	160	--						
All Chickens, Dec 1 1/	14,230	14,800	14,995	1.50	1.50	1.50	21,345	22,200	22,493
Total Layers	10,885	11,435	11,860						
Pullets 13 Weeks Old but Not of Laying Age	1,155	1,430	1,255						
Pullets Under 13 Weeks Old	2,130	1,895	1,835						
Other Chickens	60	40	45						
TOTAL							2,178,535	2,118,000	2,193,293

1/ December 1 preceding year.

CATTLE AND CALVES: INVENTORY, SUPPLY, AND DISPOSITION, MINNESOTA, 1992-97

Year	All Cattle and Calves 1/	Calf Crop	Cattle On Feed 1/	Inshipments	Marketings 2/		Farm Slaughter 3/	Deaths	
					Cattle	Calves		Cattle	Calves
					<u>1,000 Head</u>				
1992	2,700	1,030	310	520	1,142	160	8	55	135
1993	2,750	980	330	530	1,225	152	8	50	125
1994	2,700	990	330	550	1,124	143	8	55	110
1995	2,800	1,010	310	525	1,144	108	8	60	115
1996	2,900	980	335	435	1,274	98	8	60	125
1997	2,750	---	300	---	-----	---	-	--	---

1/ All cattle and calves and cattle on feed inventory numbers refer to January 1.

2/ Includes custom slaughter for use on farms where produced and state outshipments, but excludes interfarm sales within the state.

3/ Excludes custom slaughter for farmers at commercial establishments.

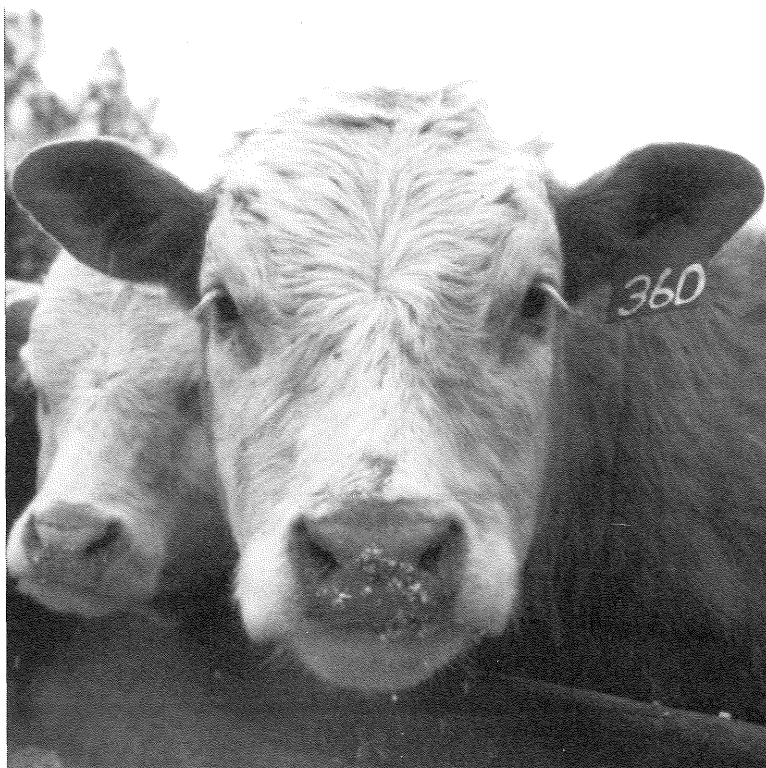
CATTLE AND CALVES: PRODUCTION AND INCOME, MINNESOTA, 1992-96

Year	Production 1/	Marketings 2/	Average Price per 100 Pounds		Value of Production	Cash Receipts 3/	Value of Home Consumption	Gross Income
			Cattle	Calves				
	<u>1,000 Pounds</u>		<u>Dollars</u>			<u>1,000 Dollars</u>		
1992	1,190,165	1,443,020	66.10	92.90	794,676	963,399	18,848	982,247
1993	1,186,695	1,563,170	66.20	97.10	797,657	1,045,785	16,136	1,061,921
1994	1,191,724	1,440,500	59.00	90.40	666,641	859,566	14,324	873,890
1995	1,225,125	1,466,600	56.60	72.90	670,793	835,230	13,632	848,862
1996	1,218,560	1,604,450	57.80	50.30	684,888	925,163	13,420	938,583

1/ Adjustments made for changes in inventory and for inshipments.

2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

3/ Receipts from marketings and sale of farm slaughter.



**ALL CATTLE, CATTLE ON FEED, AND ALL BREEDING SHEEP & LAMBS: JANUARY 1 INVENTORY
BY COUNTY AND DISTRICT, MINNESOTA, 1996-97**

County and District	All Cattle And Calves		Cattle And Calves On Feed		All Breeding Sheep And Lambs	
	1996	1997	1996	1997	1996	1997
			Number			
Becker	37,800	35,400	1,100	1,000	1,600	1,400
Clay	24,700	23,900	2,200	2,000	800	700
Clearwater	26,100	25,200	1,600	1,400	900	900
Kittson	12,600	13,000	800	700	600	600
Mahnomen	12,700	12,400	400	400	400	400
Marshall	16,500	15,300	800	700	2,200	2,100
Norman	12,400	11,600	600	500	400	400
Pennington	12,500	12,500	600	500	800	700
Polk	36,300	33,300	3,300	3,000	1,300	1,200
Red Lake	15,800	14,700	600	500	800	1,100
Roseau	31,800	29,500	1,000	1,000	1,400	1,300
Northwest	239,200	226,800	13,000	11,700	11,200	10,800
Beltrami	25,700	25,300	300	300	1,400	1,300
Cass	28,800	28,300	400	500	1,500	1,300
Hubbard	8,900	8,600	100	100	1,200	1,100
Itasca	12,100	11,500	400	200	400	400
Koochiching	6,000	5,900	100	100	400	400
Lake of the Woods	4,700	4,500	100	100	200	200
North Central	86,200	84,100	1,400	1,300	5,100	4,700
Cook	300	200	--	--	--	--
Lake	300	200	100	--	100	100
St Louis	12,400	11,100	100	200	600	600
Northeast	13,000	11,500	200	200	700	700
Big Stone	13,000	11,900	800	700	800	800
Chippewa	9,500	8,600	1,100	1,000	2,000	1,900
Douglas	40,000	37,500	2,600	2,300	1,600	1,500
Grant	13,000	12,200	2,100	1,900	1,200	1,100
Lac Qui Parle	24,500	22,600	5,700	5,100	1,900	1,800
Otter Tail	129,500	119,800	4,700	4,200	6,100	5,900
Pope	37,800	35,200	2,500	2,200	1,500	1,500
Stevens	31,500	28,500	12,800	11,400	1,400	1,300
Swift	22,500	21,000	5,600	5,000	700	700
Traverse	11,200	10,200	2,900	2,600	1,500	1,500
Wilkin	6,100	5,500	500	500	300	300
Yellow Medicine	28,900	27,000	5,700	5,100	2,000	1,900
West Central	367,500	340,000	47,000	42,000	21,000	20,200
Benton	39,700	37,300	1,800	1,600	700	700
Carver	49,200	45,900	2,800	2,500	400	400
Kandiyohi	35,900	32,900	5,100	4,500	2,300	2,200
McLeod	38,800	36,800	4,800	4,200	700	700
Meeker	34,400	32,400	3,200	2,800	1,600	1,500
Morrison	91,300	87,500	2,500	2,200	1,300	1,300
Renville	30,700	29,800	10,200	10,000	2,700	2,700
Scott	31,000	28,900	4,700	4,100	500	500
Sherburne	13,800	13,200	2,200	2,000	500	500
Sibley	37,000	36,000	5,500	4,800	2,000	1,900
Stearns	187,600	180,300	12,100	10,800	1,600	1,500
Todd	85,000	83,000	1,700	1,500	3,000	2,900
Wadena	31,000	29,000	900	800	1,600	1,500
Wright	54,600	51,600	4,400	3,900	1,600	1,600
Central	760,000	724,600	61,900	55,700	20,500	19,900

--continued

ALL CATTLE, CATTLE ON FEED, AND ALL BREEDING SHEEP & LAMBS: JANUARY 1 INVENTORY
BY COUNTY AND DISTRICT, MINNESOTA, 1996-97 (continued)

County and District	All Cattle And Calves		Cattle And Calves On Feed		All Breeding Sheep And Lambs	
	1996	1997	1996	1997	1996	1997
			Number			
Aitkin	16,300	15,700	300	300	600	600
Anoka	5,200	4,900	200	200	400	400
Carlton	12,700	12,500	300	300	300	300
Chisago	18,900	18,400	900	800	600	600
Crow Wing	16,700	16,400	500	400	400	400
Hennepin	14,900	14,400	1,100	900	700	700
Isanti	11,000	10,700	700	600	1,100	1,000
Kanabec	28,900	27,300	800	700	1,200	1,100
Mille Lacs	27,900	27,200	900	800	700	700
Pine	40,000	38,900	1,000	900	1,500	1,400
Ramsey	500	500	100	100	200	200
Washington	11,000	10,500	1,000	900	1,100	1,100
East Central	204,000	197,400	7,800	6,900	8,800	8,500
Cottonwood	37,000	34,700	14,300	12,800	2,100	2,000
Jackson	30,100	28,300	8,900	8,000	3,700	3,600
Lincoln	37,000	36,000	6,900	6,200	5,200	5,000
Lyon	44,700	42,900	12,400	11,200	4,000	3,800
Murray	56,300	52,700	14,000	12,600	5,500	5,300
Nobles	53,500	50,800	16,100	14,500	4,200	4,000
Pipestone	40,700	39,100	4,300	3,900	5,400	5,400
Redwood	42,400	39,900	13,100	11,800	2,800	2,700
Rock	56,200	53,800	14,000	12,600	2,500	2,400
Southwest	397,900	378,200	104,000	93,600	35,400	34,200
Blue Earth	21,200	18,900	7,700	8,100	1,400	1,400
Brown	45,000	40,800	8,100	7,000	1,800	1,700
Faribault	18,200	16,200	3,900	3,300	1,700	1,600
Freeborn	20,900	18,200	2,700	2,300	2,400	2,300
Le Sueur	30,600	27,600	5,900	5,000	1,400	1,400
Martin	28,800	26,100	8,400	7,300	1,700	1,600
Nicollet	24,700	22,300	4,100	3,500	1,000	900
Rice	38,300	34,500	2,600	2,100	1,000	1,000
Steele	22,000	19,400	1,900	1,500	700	700
Waseca	16,300	14,000	1,500	1,200	2,000	1,900
Watonwan	19,800	18,000	5,200	4,400	1,200	1,100
South Central	285,800	256,000	52,000	45,700	16,300	15,600
Dakota	37,000	35,300	8,900	8,000	1,000	1,000
Dodge	27,400	25,600	2,800	2,500	800	700
Fillmore	89,800	88,000	5,800	5,200	3,000	2,900
Goodhue	81,100	79,000	5,900	5,300	3,500	3,400
Houston	68,700	66,900	7,800	7,000	700	700
Mower	28,500	26,900	3,000	2,800	1,900	1,800
Olmsted	62,000	61,000	5,100	4,600	2,400	2,300
Wabasha	68,900	67,100	4,500	4,000	1,900	1,800
Winona	83,000	81,600	3,900	3,500	800	800
Southeast	546,400	531,400	47,700	42,900	16,000	15,400
Minnesota	2,900,000	2,750,000	335,000	300,000	135,000	130,000

**BEEF COWS AND MILK COWS: JANUARY 1 INVENTORY BY COUNTY AND DISTRICT,
MINNESOTA, 1996-97**

County and District	Beef Cows		Milk Cows	
	1996	1997	1996	1997
	<u>Number</u>			
Becker	7,800	7,400	10,100	9,900
Clay	5,900	5,400	4,200	4,000
Clearwater	10,900	9,900	2,300	2,000
Kittson	6,400	6,000	400	400
Mahnomen	4,400	4,100	2,300	2,200
Marshall	6,000	5,500	1,600	1,400
Norman	3,400	3,100	1,900	1,700
Pennington	4,300	4,100	1,800	1,900
Polk	10,700	9,800	4,400	4,500
Red Lake	5,400	4,900	2,200	1,900
Roseau	10,800	10,000	3,800	3,600
Northwest	76,000	70,200	35,000	33,500
Beltrami	11,200	10,500	2,700	2,600
Cass	12,900	12,400	2,900	2,500
Hubbard	4,000	3,800	800	800
Itasca	5,800	5,500	700	600
Koochiching	3,100	2,900	400	300
Lake of the Woods	2,500	2,300	300	200
North Central	39,500	37,400	7,800	7,000
Cook	100	100	--	--
Lake	200	200	--	--
St Louis	4,300	4,000	1,900	1,700
Northeast	4,600	4,300	1,900	1,700
Big Stone	3,200	2,900	2,000	1,900
Chippewa	2,000	1,800	1,100	1,000
Douglas	3,800	3,500	12,500	12,200
Grant	1,600	1,500	1,800	1,800
Lac Qui Parle	5,100	4,700	1,600	1,600
Otter Tail	16,300	15,000	33,800	33,400
Pope	5,900	5,500	9,100	8,900
Stevens	3,600	3,200	1,300	2,100
Swift	3,800	3,600	2,800	3,000
Traverse	2,000	1,700	500	400
Wilkin	1,500	1,400	1,000	1,000
Yellow Medicine	4,800	4,300	2,300	2,400
West Central	53,600	49,100	69,800	69,700
Benton	3,800	3,600	13,400	13,300
Carver	3,200	2,900	15,800	14,900
Kandiyohi	3,100	2,800	9,800	9,500
McLeod	2,000	1,900	12,400	12,300
Meeker	2,900	2,600	9,500	10,000
Morrison	10,800	10,200	28,100	27,900
Renville	1,400	1,300	3,800	3,500
Scott	2,200	2,100	8,000	7,500
Sherburne	2,200	2,100	2,100	2,100
Sibley	2,200	2,000	10,600	10,300
Stearns	7,800	7,400	63,500	66,100
Todd	8,600	8,100	27,000	25,900
Wadena	5,500	5,100	6,500	6,700
Wright	4,500	4,100	17,000	16,600
Central	60,200	56,200	227,500	226,600

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**BEEF COWS AND MILK COWS: JANUARY 1 INVENTORY BY COUNTY AND DISTRICT,
MINNESOTA, 1996-97 (continued)**

County and District	Beef Cows		Milk Cows	
	1996	1997	1996	1997
	<u>Number</u>			
Aitkin	6,200	5,700	2,200	2,000
Anoka	1,400	1,300	600	400
Carlton	3,600	3,300	2,900	2,700
Chisago	3,300	3,100	4,200	4,100
Crow Wing	6,300	5,800	2,500	2,300
Hennepin	1,400	1,300	4,000	3,700
Isanti	1,900	1,700	2,300	2,200
Kanabec	8,400	7,700	4,300	4,000
Mille Lacs	2,900	2,700	7,900	7,300
Pine	8,700	7,900	10,500	10,300
Ramsey	300	300	100	100
Washington	2,900	2,700	1,800	1,700
<u>East Central</u>	47,300	43,500	43,300	40,800
Cottonwood	4,100	3,700	2,000	1,800
Jackson	3,200	2,900	1,300	1,200
Lincoln	6,100	5,600	3,900	3,800
Lyon	6,700	6,000	2,700	2,400
Murray	5,700	5,200	4,200	4,400
Nobles	6,000	5,500	3,800	3,500
Pipestone	7,900	7,400	5,200	5,500
Redwood	4,700	4,300	3,600	3,400
Rock	7,700	6,900	3,200	3,000
<u>Southwest</u>	52,100	47,500	29,900	29,000
Blue Earth	1,900	1,700	2,000	2,000
Brown	3,300	3,000	9,600	9,900
Faribault	2,000	1,800	2,200	2,300
Freeborn	2,200	2,000	3,600	3,300
Le Sueur	3,900	3,500	5,400	5,700
Martin	2,800	2,500	2,000	1,700
Nicollet	1,300	1,200	6,200	6,400
Rice	3,000	2,700	11,600	11,700
Steele	1,000	1,000	7,000	6,400
Waseca	1,400	1,400	3,700	3,900
Watonwan	1,100	1,000	1,000	1,000
<u>South Central</u>	23,900	21,800	54,300	54,300
Dakota	2,400	2,200	5,300	4,900
Dodge	1,500	1,400	7,800	7,500
Fillmore	22,700	20,600	17,300	18,000
Goodhue	8,100	7,300	24,700	25,000
Houston	13,600	12,300	11,800	11,600
Mower	3,200	2,900	6,000	5,600
Olmsted	12,200	11,000	13,000	12,200
Wabasha	9,300	8,500	19,700	21,100
Winona	9,800	8,800	24,900	26,500
<u>Southeast</u>	82,800	75,000	130,500	132,400
<u>Minnesota</u>	440,000	405,000	600,000	595,000

HOGS AND PIGS: SOWS FARROWED, PIG CROP, AND DISPOSITION, MINNESOTA, 1992-96

Year	Spring Sows Farrowed	Spring Pig Crop	Fall Sows Farrowed	Fall Pig Crop	Annual Farrowings 1/	Total Pig Crop	Annual Litter Rate	Inship- ments	Marketings 2/	Deaths	All Hogs On Farms Dec 1
	<u>1,000 Head</u>						<u>Head</u>		<u>1,000 Head</u>		
1992	525	4,333	480	4,056	1,005	8,389	8.35	330	8,557	355	4,700
1993	530	4,425	505	4,193	1,035	8,618	8.33	370	8,551	380	4,750
1994	530	4,505	500	4,251	1,030	8,756	8.50	445	8,699	395	4,850
1995	510	4,337	490	4,251	1,000	8,588	8.59	770	8,851	400	4,950
1996	485	4,244	460	4,025	945	8,269	8.75	1,130	9,097	395	4,850

1/ Includes sows that have farrowed more than one time.

2/ Excludes interfarm sales.

HOGS AND PIGS: PRODUCTION AND INCOME, MINNESOTA, 1992-96

Year	Production 1/	Marketings 2/	Average Price Per 100 Lbs	Value of Production 3/	Cash Receipts 4/	Value of Home Consumption	Gross Income
	<u>1,000 Pounds</u>		<u>Dollars</u>		<u>1,000 Dollars</u>		
1992	1,940,749	1,987,211	42.80	827,166	856,057	2,610	858,667
1993	1,955,195	1,973,835	46.60	909,071	928,483	3,132	931,615
1994	1,976,258	2,003,699	41.10	811,239	832,128	2,773	834,901
1995	2,003,106	2,044,215	41.90	831,151	865,073	2,865	867,938
1996	1,990,926	2,072,737	53.20	1,047,013	1,115,777	3,347	1,119,124

1/ Adjustments made for changes in inventory and for inshipments.

2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

3/ Includes allowance for higher average price of state inshipments and outshipments of feeder pigs.

4/ Receipts from marketings and sale of farm slaughter. Includes allowance for higher average price of state inshipments and outshipments of feeder pigs.



HOGS: SOWS FARROWED, PIGS PER LITTER, PIG CROP, BY QUARTERS, MINNESOTA, 1992-96 1/

Year	December-February 2/			March-May			June-August			September-November		
	Sows Farrowed	Pigs per Litter	Pig Crop	Sows Farrowed	Pigs per Litter	Pig Crop	Sows Farrowed	Pigs per Litter	Pig Crop	Sows Farrowed	Pigs per Litter	Pig Crop
1992	250	8.20	2,050	275	8.30	2,283	245	8.40	2,058	235	8.50	1,998
1993	255	8.40	2,142	275	8.30	2,283	260	8.40	2,184	245	8.20	2,009
1994	260	8.50	2,210	270	8.50	2,295	255	8.50	2,168	245	8.50	2,083
1995	250	8.30	2,075	260	8.70	2,262	250	8.65	2,163	240	8.70	2,088
1996	240	8.80	2,112	245	8.70	2,132	235	8.70	2,045	225	8.80	1,980

1/ Sows farrowed and pig crop numbers are 1,000 head.

2/ December previous year.

HOGS AND PIGS: ALL BREEDING AND MARKET HOGS AND PIGS BY QUARTER, MINNESOTA, 1992-97

Year and Quarter	All Hogs and Pigs	For Breeding Purposes	Market Hogs and Pigs			
			Under 60 Lbs.	60 - 119 Lbs.	120 - 179 Lbs.	180 Lbs. and Over
			1,000 Head			
1992:						
March	4,700	565	1,650	1,010	780	695
June	4,950	600	1,780	1,120	830	620
September	4,900	570	1,690	1,110	840	690
December	4,700	580	1,560	1,030	840	690
1993:						
March	4,700	550	1,670	1,030	770	680
June	4,950	610	1,700	1,100	840	700
September	4,950	610	1,750	1,110	790	690
December	4,750	590	1,580	1,020	830	730
1994:						
March	4,750	560	1,680	1,030	780	700
June	4,950	600	1,700	1,090	860	700
September	5,000	600	1,740	1,080	850	730
December	4,850	550	1,650	1,020	880	750
1995:						
March	4,700	540	1,620	1,000	850	690
June	4,900	580	1,680	1,060	860	720
September	4,950	550	1,720	1,070	860	750
December	4,950	550	1,640	1,090	900	770
1996:						
March	4,800	550	1,660	1,020	870	700
June	4,750	550	1,640	1,040	840	680
September	4,900	560	1,700	1,060	840	740
December	4,850	540	1,590	1,070	890	760
1997:						
March	5,000	600	1,640	1,070	920	770

**HOGS AND PIGS: INVENTORY, FARROWINGS, AND PIG CROP, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

County and District	All Hogs Dec. 1		Annual Farrowings		Annual Pig Crop	
	1995	1996	1995	1996	1995	1996
			Number			
Becker	12,500	10,700	3,900	3,300	31,000	28,000
Clay	15,500	13,900	4,000	3,500	33,000	30,000
Clearwater	2,500	2,300	1,100	1,000	9,000	8,000
Kittson	3,500	3,300	800	700	6,000	5,000
Mahnomen	5,000	4,700	1,600	1,500	13,000	12,000
Marshall	3,500	3,000	1,200	1,000	10,000	9,000
Norman	10,000	9,400	2,500	2,300	20,000	19,000
Pennington	3,500	3,100	1,300	1,100	10,000	8,000
Polk	11,000	10,800	2,900	2,800	24,000	23,000
Red Lake	2,500	2,000	900	700	7,000	5,000
Roseau	6,000	5,300	1,900	1,700	15,000	13,000
Northwest	75,500	68,500	22,100	19,600	178,000	160,000
Beltrami	4,000	3,200	1,300	1,100	10,000	9,000
Cass	11,000	10,200	3,400	3,100	28,000	26,000
Hubbard	7,500	6,300	2,000	1,800	16,000	14,000
Itasca	2,500	2,000	1,100	900	9,000	7,000
Koochiching	1,000	800	300	200	2,000	1,500
Lake of the Woods	1,000	800	300	200	2,000	1,500
North Central	27,000	23,300	8,400	7,300	67,000	59,000
St Louis	1,500	1,300	400	300	3,000	3,000
Northeast	1,500	1,300	400	300	3,000	3,000
Big Stone	40,500	37,800	8,500	7,700	73,000	68,000
Chippewa	49,500	44,400	10,700	9,400	94,000	84,000
Douglas	25,500	23,200	6,800	6,100	58,000	53,000
Grant	24,000	22,500	5,300	4,800	46,000	43,000
Lac Qui Parle	68,500	62,300	13,800	12,300	118,000	107,000
Otter Tail	51,500	45,000	14,900	12,500	128,000	110,000
Pope	31,000	27,600	6,800	5,900	58,000	51,000
Stevens	80,000	74,900	17,000	15,500	146,000	136,000
Swift	40,500	36,000	9,000	7,800	78,000	68,000
Traverse	26,000	23,100	5,200	4,500	45,000	40,000
Wilkin	14,500	13,100	3,400	3,000	29,000	26,000
Yellow Medicine	79,000	75,800	14,100	13,300	121,000	117,000
West Central	530,500	485,700	115,500	102,800	994,000	903,000
Benton	31,000	28,800	8,700	7,900	75,000	69,000
Carver	30,000	28,300	6,300	5,800	53,000	50,000
Kandiyohi	89,500	81,400	19,500	17,400	168,000	153,000
McLeod	43,500	40,300	9,900	9,000	84,000	78,000
Meeker	71,000	61,600	15,800	13,400	135,000	116,000
Morrison	42,500	39,300	13,900	12,600	118,000	108,000
Renville	157,500	161,200	30,500	30,300	263,000	269,000
Scott	18,000	16,000	4,200	3,600	35,000	31,000
Sherburne	18,000	16,300	4,100	3,600	34,000	31,000
Sibley	95,000	88,300	18,800	17,200	162,000	151,000
Stearns	123,000	111,600	30,800	27,300	262,000	238,000
Todd	36,500	32,300	9,900	8,600	83,000	73,000
Wadena	9,000	7,500	3,300	2,700	28,000	23,000
Wright	41,500	36,300	10,700	9,200	92,000	80,000
Central	806,000	749,200	186,400	168,600	1,592,000	1,470,000

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HOGS AND PIGS: INVENTORY, FARROWINGS, AND PIG CROP, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96 (continued)

County and District	All Hogs Dec. 1		Annual Farrowings		Annual Pig Crop	
	1995	1996	1995	1996	1995	1996
	Number					
Aitkin	800	700	300	300	2,000	2,000
Anoka	6,500	6,300	1,300	1,200	10,000	9,000
Carlton	500	500	300	300	2,000	2,000
Chisago	9,000	8,700	2,300	2,100	19,000	18,000
Crow Wing	6,000	5,600	1,700	1,500	15,000	13,000
Hennepin	6,000	5,700	1,900	1,700	15,000	14,000
Isanti	12,000	11,700	2,800	2,600	24,000	22,000
Kanabec	15,000	14,600	3,400	3,200	30,000	29,000
Mille Lacs	13,500	12,700	4,500	4,100	36,000	33,000
Pine	8,000	7,600	2,200	2,100	18,000	17,000
Ramsey	200	200	100	100	1,000	1,000
Washington	5,500	5,100	1,100	1,000	9,000	8,000
East Central	83,000	79,400	21,900	20,200	181,000	168,000
Cottonwood	100,000	98,500	18,600	17,600	158,000	153,000
Jackson	173,000	166,600	33,300	30,900	281,000	267,000
Lincoln	61,000	58,600	11,400	10,600	97,000	92,000
Lyon	146,500	145,400	28,800	27,500	243,000	237,000
Murray	109,000	104,800	21,700	20,200	187,000	177,000
Nobles	214,500	210,500	39,300	36,800	344,000	328,000
Pipestone	77,000	77,500	16,000	15,600	138,000	138,000
Redwood	169,500	168,500	30,500	29,400	268,000	262,000
Rock	142,500	141,400	27,300	25,800	233,000	225,000
Southwest	1,193,000	1,171,800	226,900	214,400	1,949,000	1,879,000
Blue Earth	202,500	212,000	34,800	35,500	306,000	317,000
Brown	155,000	162,400	26,300	26,700	225,000	235,000
Faribault	147,000	148,500	27,500	27,000	240,000	238,000
Freeborn	158,500	158,100	31,400	30,500	274,000	269,000
Le Sueur	85,500	87,800	15,000	14,700	130,000	129,000
Martin	262,000	285,000	47,700	50,800	419,000	453,000
Nicollet	161,500	167,000	29,800	29,600	259,000	261,000
Rice	137,500	139,400	25,900	25,200	225,000	220,000
Steele	76,000	76,500	13,800	13,400	119,000	117,000
Waseca	78,500	82,700	15,600	15,700	135,000	138,000
Watonwan	86,000	90,000	16,000	16,200	138,000	142,000
South Central	1,550,000	1,609,400	283,800	285,300	2,470,000	2,519,000
Dakota	49,000	45,800	9,100	8,300	78,000	72,000
Dodge	70,500	69,100	13,000	12,400	113,000	110,000
Fillmore	136,500	137,300	28,300	27,800	242,000	244,000
Goodhue	80,000	77,800	16,100	15,200	138,000	133,000
Houston	53,000	49,600	10,900	9,900	92,000	86,000
Mower	153,000	146,200	27,400	25,400	235,000	223,000
Olmsted	52,000	49,400	11,000	10,000	96,000	88,000
Wabasha	46,500	43,400	10,000	9,000	85,000	78,000
Winona	43,000	42,800	8,800	8,500	75,000	74,000
Southeast	683,500	661,400	134,600	126,500	1,154,000	1,108,000
Minnesota	4,950,000	4,850,000	1,000,000	945,000	8,588,000	8,269,000

SHEEP AND LAMBS: INVENTORY, SUPPLY, AND DISPOSITION, MINNESOTA, 1992-97

Year	All Sheep and Lambs 1/	Lamb Crop	Inshipments	Marketings 2/		Farm Slaughter 3/	Deaths	
				Sheep	Lambs		Sheep	Lambs
	<u>1,000 Head</u>							
1992	293	210	52	48	224	1	12	25
1993	245	190	47	37	202	1	10	22
1994	213	175	63	40	190	1	9	21
1995	190	160	53	20	168	1	8	21
1996	185	160	42	17	158	1	10	21
1997	180	---	--	--	---	-	--	--

1/ Sheep and lamb inventory numbers refer to January 1. Beginning in 1994, new crop lambs included.

2/ Includes custom slaughter for use on farms where produced and state outshipments, but excludes interfarm sales within the state.

3/ Excludes custom slaughter for farmers at commercial establishments.

SHEEP AND LAMBS: INVENTORY, PRODUCTION AND INCOME, MINNESOTA, 1992-96

Year	Production 1/	Marketings 2/	Average Price per 100 Pounds		Value of Production	Cash Receipts 3/	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	<u>1,000 Pounds</u>		<u>Dollars</u>			<u>1,000 Dollars</u>		
1992	24,595	33,610	24.90	60.00	13,820	17,723	180	17,903
1993	23,389	30,190	25.50	66.40	14,311	17,928	199	18,127
1994	20,731	28,280	26.10	64.60	12,637	16,113	140	16,252
1995	18,278	21,905	23.50	75.30	12,486	15,096	367	15,463
1996	17,026	20,350	25.80	85.70	13,676	16,065	194	16,259

1/ Adjustments made for changes in inventory and for inshipments.

2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

3/ Receipts from marketings and sale of farm slaughter.

WOOL: SHEEP SHORN, PRODUCTION AND VALUE, MINNESOTA, 1992-96

Year	Sheep Shorn 1/	Weight per Fleece	Production	Annual Average Price per Pound 2/	Value
	<u>1,000 Head</u>	<u>Pounds</u>	<u>1,000 Pounds</u>	<u>Cents</u>	<u>1,000 Dollars</u>
1992	225	7.0	1,565	34	532
1993	210	7.1	1,484	28	416
1994	175	6.7	1,175	42	494
1995	170	6.8	1,150	64	736
1996	170	6.6	1,120	43	482

1/ Includes sheep shorn at commercial feeding yards.

2/ Average local market price for wool sold; does not include incentive payments.

COMMERCIAL LIVESTOCK SLAUGHTER: NUMBER AND LIVE WEIGHT, BY MONTH, MINNESOTA, 1995-96

Month	Cattle					
	Number Slaughtered		Live Weight			
			Average Weight		Total Weight	
	1995	1996	1995	1996	1995	1996
	<u>1,000 Head</u>		<u>Pounds</u>		<u>1,000 Pounds</u>	
January	92.8	98.0	1,291	1,264	119,764	123,846
February	83.9	93.7	1,306	1,274	109,557	119,350
March	94.1	88.4	1,300	1,272	122,270	112,427
April	79.1	96.6	1,290	1,259	102,021	121,586
May	84.5	96.2	1,282	1,235	108,335	118,791
June	87.4	88.5	1,252	1,230	109,483	108,809
July	81.6	95.7	1,246	1,222	101,631	116,925
August	92.5	96.5	1,240	1,229	114,685	118,603
September	87.9	92.0	1,238	1,242	108,852	114,251
October	96.6	110.4	1,260	1,227	121,729	135,364
November	99.4	99.5	1,244	1,211	123,728	120,463
December	92.1	99.4	1,239	1,205	114,140	119,787
ANNUAL TOTAL	1,072.0	1,154.8	1,265	1,238	1,356,194	1,430,203

Month	Hogs					
	Number Slaughtered		Live Weight			
			Average Weight		Total Weight	
	1995	1996	1995	1996	1995	1996
	<u>1,000 Head</u>		<u>Pounds</u>		<u>1,000 Pounds</u>	
January	579.5	610.5	256	249	148,196	152,226
February	552.5	588.7	246	247	135,692	145,385
March	653.9	579.9	248	246	162,012	142,641
April	528.0	583.8	248	247	131,014	144,295
May	601.1	580.0	248	246	149,158	142,890
June	567.9	510.7	246	248	139,931	126,410
July	516.7	589.7	243	244	125,496	144,114
August	602.4	593.4	241	244	145,295	144,811
September	570.9	572.2	241	246	137,781	140,735
October	663.1	640.1	247	250	163,727	160,303
November	663.8	569.7	251	254	166,371	144,615
December	586.6	562.5	250	253	146,807	142,083
ANNUAL TOTAL	7,086.5	6,981.0	247	248	1,751,481	1,730,506

Note: Totals may not add due to rounding. Includes slaughter under federal inspection and other commercial slaughter. Excludes farm slaughter.

DAIRY

Minnesota's milk production totaled 9.4 billion pounds in 1996, up slightly from 1995. The state's share of national production in 1996 was 6%. The 12-month average number of milk cows was 598,000 versus 599,000 in 1995. The pounds of milk per cow averaged 15,786 in 1996, a record high for Minnesota.

The count of Minnesota dairy farms licensed to sell milk to plants in January 1997 totaled 10,600. This compares with the totals of 11,420 for January 1996 and 12,227 for January 1995.



DAIRY: MILK PRODUCTION, DISPOSITION, AND INCOME, MINNESOTA, 1992-96

Year	Total Milk Produced	Disposition of Milk Produced			Cash Receipts	Gross Producer Income
		Used on Farms Where Produced		Sold to Plants and Dealers		
		Fed to Calves	Consumed in Farm Household			
		<u>Million Pounds</u>			<u>1,000 Dollars</u>	
1992	9,858	108	20	9,730	1,250,305	1,252,875
1993	9,693	94	19	9,580	1,226,240	1,228,672
1994	9,342	90	17	9,235	1,194,086	1,196,284
1995	9,409	101	18	9,290	1,181,688	1,183,978
1996	9,440	92	18	9,330	1,362,180	1,364,808

DAIRY: MANUFACTURED DAIRY PRODUCTS, MINNESOTA, 1992-96

Year	Butter	All Cheese	American Cheese	Italian Cheese	Non-Fat Dry Milk Solids	Dry Whey & Whey Fraction Solids	Ice Cream	Ice Milk 1/
	<u>1,000 Pounds</u>				<u>1,000 Gallons</u>			
1992	53,201	662,245	586,651	65,284	12,957	400,796	41,917	9,382
1993	52,908	646,974	571,806	58,271	9,451	358,454	40,609	12,065
1994	52,829	658,036	571,746	75,176	34,485	366,225	37,843	9,262
1995	52,648	678,405	609,946	66,118	25,873	375,869	37,826	9,764
1996	58,575	682,058	589,545	90,529	14,107	344,811	41,071	10,359

1/ Effective 1995, ice milk discontinued, replaced by lowfat and nonfat ice cream.

DAIRY: MILK COWS, MILK PRODUCTION, AND DAIRY PRODUCTS, BY MONTH, MINNESOTA, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Milk Cows: Number on Farms, Excludes Heifers That Have Not Calved													
	<u>1,000 Cows</u>												
1992	660	660	660	655	655	650	650	650	650	650	650	650	653
1993	645	645	645	640	640	640	635	630	630	625	625	620	635
1994	620	620	615	610	610	610	605	605	605	605	605	600	609
1995	600	600	600	595	595	600	600	600	600	600	600	600	599
1996	600	600	595	595	595	600	600	600	600	595	595	595	598
Milk: Production per Cow													
	<u>Pounds</u>												
1992	1,295	1,235	1,325	1,285	1,335	1,300	1,285	1,215	1,150	1,200	1,185	1,275	15,096
1993	1,325	1,220	1,355	1,330	1,395	1,335	1,300	1,220	1,150	1,185	1,170	1,260	15,265
1994	1,295	1,195	1,340	1,330	1,395	1,335	1,305	1,255	1,190	1,230	1,185	1,280	15,340
1995	1,345	1,245	1,390	1,365	1,435	1,360	1,325	1,265	1,205	1,245	1,215	1,310	15,708
1996	1,360	1,285	1,400	1,350	1,395	1,335	1,315	1,275	1,220	1,275	1,250	1,340	15,786
Milk: Production on Farms													
	<u>Million Pounds</u>												
1992	855	815	875	842	874	845	835	790	748	780	770	829	9,858
1993	855	787	880	851	893	854	826	769	725	741	731	781	9,693
1994	803	741	824	811	851	814	790	759	720	744	717	768	9,342
1995	807	747	834	812	854	816	795	759	723	747	729	786	9,409
1996	816	771	833	803	830	801	789	765	732	759	744	797	9,440
Percentage of Fat in Milk Sold by Farmers to Dairy Plants													
	<u>Percent</u>												
1992	3.74	3.72	3.71	3.72	3.64	3.54	3.54	3.57	3.68	3.75	3.79	3.77	3.68
1993	3.75	3.73	3.73	3.70	3.64	3.61	3.60	3.59	3.71	3.82	3.85	3.82	3.71
1994	3.82	3.79	3.76	3.74	3.67	3.56	3.57	3.61	3.69	3.78	3.80	3.81	3.72
1995	3.77	3.74	3.72	3.71	3.66	3.56	3.53	3.54	3.68	3.83	3.87	3.85	3.71
1996	3.82	3.80	3.80	3.78	3.73	3.63	3.57	3.59	3.68	3.80	3.86	3.85	3.74
Butter Manufactured													
	<u>Million Pounds</u>												
1992	6.9	5.3	5.2	4.5	4.2	4.2	4.4	4.1	3.5	2.8	3.2	4.9	53.2
1993	6.8	6.2	7.0	5.4	5.7	5.1	2.8	2.1	2.5	2.8	2.6	3.9	52.9
1994	4.5	4.0	4.3	5.8	5.8	5.7	4.4	4.0	2.3	3.2	3.4	5.4	52.8
1995	5.9	4.1	4.5	5.8	5.6	5.1	4.1	3.6	3.4	3.1	2.9	4.5	52.6
1996	5.5	4.5	5.9	5.8	5.4	6.0	4.4	4.3	2.7	4.2	4.1	5.8	58.6
American Cheese Manufactured													
	<u>Million Pounds</u>												
1992	51.4	48.2	49.5	48.8	52.0	51.2	54.1	48.5	41.8	44.3	44.1	52.8	586.7
1993	50.5	43.8	49.0	50.9	55.7	54.0	52.6	45.3	40.6	43.9	41.0	44.4	571.8
1994	49.2	43.5	50.6	50.6	54.2	49.0	48.2	44.2	43.5	45.0	45.0	48.7	571.7
1995	50.6	47.9	51.8	54.2	55.7	50.7	52.1	46.0	47.2	49.2	47.7	56.9	609.9
1996	51.7	51.3	57.2	52.3	53.6	50.2	44.6	43.1	42.8	48.1	45.0	49.6	589.5

**DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96**

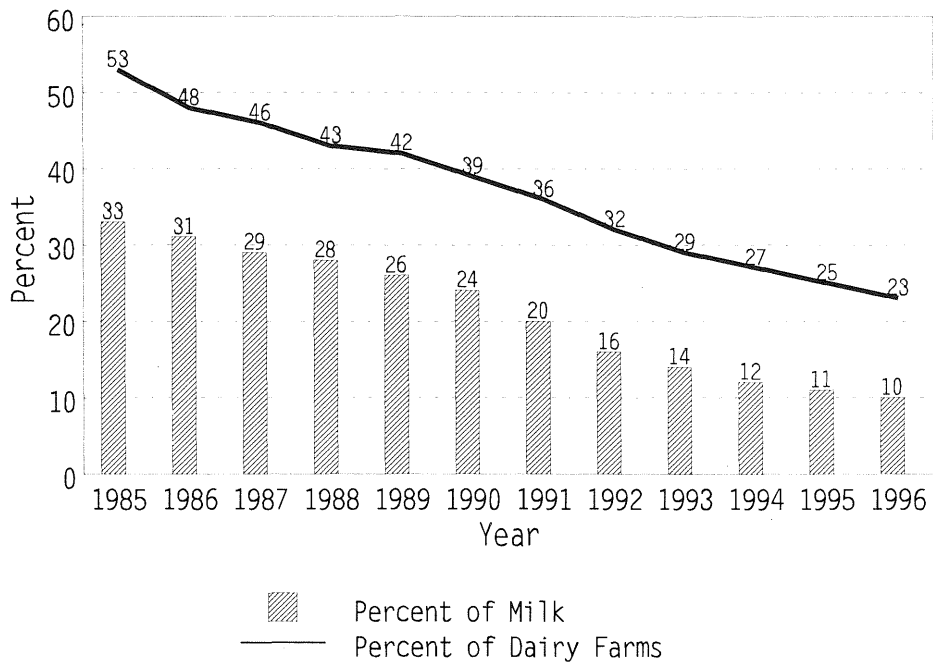
County and District	Annual Average Milk Cows On Farms		Annual Average Production Per Cow		Total Production	
	1995	1996	1995	1996	1995	1996
	Number		Thousand Pounds		Thousand Pounds	
Becker	10,200	10,000	15.0	15.1	153,500	151,000
Clay	4,000	4,100	15.6	15.7	62,500	64,500
Clearwater	2,300	2,100	15.2	15.5	35,000	32,500
Kittson	400	400	15.0	15.0	6,000	6,000
Mahnomen	2,300	2,300	15.2	15.4	35,000	35,500
Marshall	1,600	1,500	15.0	15.3	24,000	23,000
Norman	1,900	1,800	15.8	16.1	30,000	29,000
Pennington	1,900	1,900	14.2	14.7	27,000	28,000
Polk	4,400	4,400	15.8	15.6	69,500	68,500
Red Lake	2,200	2,000	15.5	15.5	34,000	31,000
Roseau	3,900	3,700	15.1	15.4	59,000	57,000
Northwest	35,100	34,200	15.3	15.4	535,500	526,000
Beltrami	2,700	2,700	15.0	15.0	40,500	40,500
Cass	3,000	2,800	14.0	14.1	42,000	39,500
Hubbard	900	800	15.0	15.0	13,500	12,000
Itasca	700	600	14.3	14.2	10,000	8,500
Koochiching	400	400	13.8	13.8	5,500	5,500
Lake of the Woods	300	300	13.3	13.3	4,000	4,000
North Central	8,000	7,600	14.4	14.5	115,500	110,000
St Louis	2,000	1,800	14.3	14.4	28,500	26,000
Northeast	2,000	1,800	14.3	14.4	28,500	26,000
Big Stone	1,900	1,900	14.2	14.5	27,000	27,500
Chippewa	1,200	1,100	14.6	15.0	17,500	16,500
Douglas	12,600	12,400	15.3	15.5	193,000	192,000
Grant	1,800	1,800	15.3	15.6	27,500	28,000
Lac Qui Parle	1,600	1,600	14.7	15.0	23,500	24,000
Otter Tail	33,900	33,600	15.7	15.8	533,500	529,500
Pope	9,000	8,900	15.9	16.0	143,000	142,500
Stevens	1,100	1,700	15.5	15.9	17,000	27,000
Swift	2,800	3,000	15.4	15.5	43,000	46,500
Traverse	500	400	15.0	16.3	7,500	6,500
Wilkin	900	1,000	15.6	15.5	14,000	15,500
Yellow Medicine	2,300	2,400	15.4	15.6	35,500	37,500
West Central	69,600	69,800	15.5	15.7	1,082,000	1,093,000
Benton	13,400	13,400	15.2	15.3	203,500	205,500
Carver	15,800	15,600	16.1	16.2	255,000	252,500
Kandiyohi	9,500	9,700	15.8	15.8	150,000	153,500
McLeod	12,400	12,400	15.4	15.5	191,500	192,000
Meeker	9,300	9,700	15.5	15.6	144,500	151,000
Morrison	27,700	28,000	15.7	15.8	436,000	441,000
Renville	3,700	3,700	15.5	15.7	57,500	58,000
Scott	8,000	7,800	15.7	15.9	125,500	124,000
Sherburne	2,000	2,100	15.5	15.5	31,000	32,500
Sibley	10,500	10,400	15.6	15.6	163,500	162,000
Stearns	63,300	64,300	16.3	16.3	1,030,500	1,045,000
Todd	27,100	26,500	15.8	15.8	427,000	417,500
Wadena	6,500	6,600	15.8	15.9	103,000	105,000
Wright	17,100	16,700	15.9	16.0	272,000	266,500
Central	226,300	226,900	15.9	15.9	3,590,500	3,606,000

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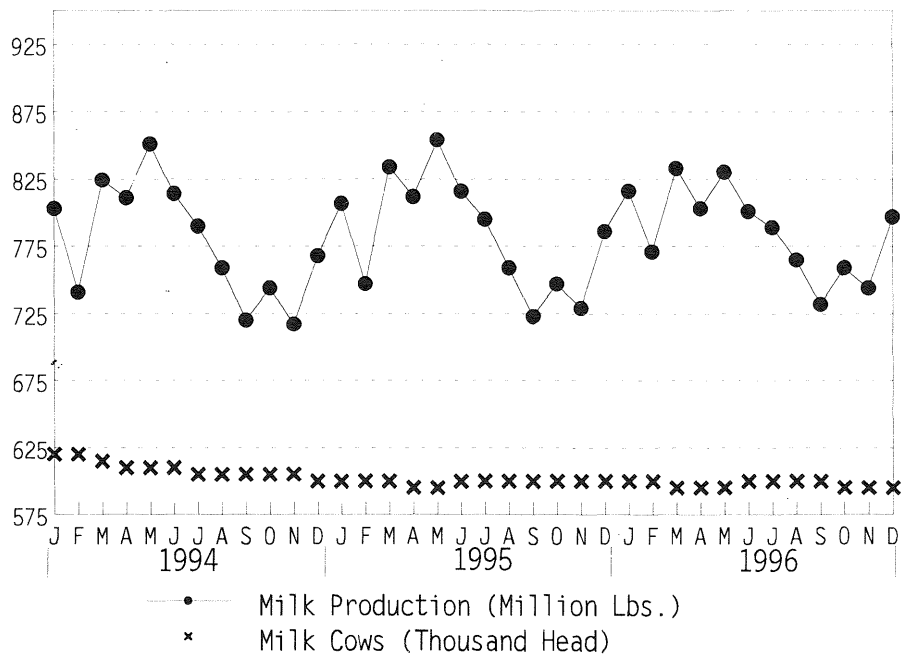
DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1995-96 (continued)

County and District	Annual Average Milk Cows On Farms		Annual Average Production Per Cow		Total Production	
	1995	1996	1995	1996	1995	1996
	<u>Number</u>		<u>Thousand Pounds</u>		<u>Thousand Pounds</u>	
Aitkin	2,200	2,000	14.5	15.0	32,000	30,000
Anoka	600	500	15.8	16.0	9,500	8,000
Carlton	3,000	2,800	14.7	14.8	44,000	41,500
Chisago	4,300	4,100	15.0	15.0	64,500	61,500
Crow Wing	2,500	2,400	15.2	15.4	38,000	37,000
Hennepin	4,200	3,900	15.8	16.0	66,500	62,500
Isanti	2,300	2,200	15.4	15.5	35,500	34,000
Kanabec	4,400	4,200	14.7	14.9	64,500	62,500
Mille Lacs	8,200	7,700	15.3	15.3	125,500	118,000
Pine	10,600	10,400	15.1	15.2	160,500	158,000
Ramsey	100	100	15.0	15.0	1,500	1,500
Washington	1,900	1,800	16.3	16.4	31,000	29,500
East Central	44,300	42,100	15.2	15.3	673,000	644,000
Cottonwood	2,100	2,000	14.5	14.8	30,500	29,500
Jackson	1,200	1,200	15.4	15.4	18,500	18,500
Lincoln	3,900	3,800	14.7	14.9	57,500	56,500
Lyon	2,800	2,600	14.8	14.8	41,500	38,500
Murray	4,100	4,300	14.8	14.9	60,500	64,000
Nobles	3,800	3,700	14.9	15.1	56,500	56,000
Pipestone	5,100	5,300	14.6	14.9	74,500	79,000
Redwood	3,500	3,400	15.0	15.0	52,500	51,000
Rock	3,200	3,200	14.8	14.8	47,500	47,500
Southwest	29,700	29,500	14.8	14.9	439,500	440,500
Blue Earth	2,000	2,000	16.0	16.3	32,000	32,500
Brown	9,200	9,700	15.7	15.7	144,000	152,500
Faribault	2,300	2,300	15.9	15.9	36,500	36,500
Freeborn	3,700	3,500	15.7	15.9	58,000	55,500
Le Sueur	5,000	5,500	15.5	15.5	77,500	85,500
Martin	1,900	1,800	15.3	15.3	29,000	27,500
Nicollet	6,100	6,300	15.7	15.8	95,500	99,500
Rice	11,600	11,600	15.6	15.7	181,500	182,500
Steele	6,900	6,800	15.6	15.5	107,500	105,500
Waseca	3,700	3,800	15.7	15.7	58,000	59,500
Watonwan	1,000	1,000	15.5	15.5	15,500	15,500
South Central	53,400	54,300	15.6	15.7	835,000	852,500
Dakota	5,300	5,200	16.3	16.3	86,500	84,500
Dodge	7,800	7,700	16.0	16.2	125,000	124,500
Fillmore	17,100	17,600	15.7	15.6	268,000	275,000
Goodhue	24,800	24,800	16.5	16.7	409,000	415,000
Houston	12,100	11,700	15.8	16.1	191,500	188,500
Mower	6,000	5,800	16.2	16.6	97,000	96,000
Olmsted	13,100	12,700	15.9	16.1	208,500	204,000
Wabasha	19,400	20,500	16.5	16.5	319,500	337,500
Winona	25,000	25,800	16.2	16.2	404,500	417,000
Southeast	130,600	131,800	16.2	16.3	2,109,500	2,142,000
Minnesota	599,000	598,000	15.7	15.8	9,409,000	9,440,000

MINNESOTA'S GRADE B MILK DECLINING SHARE OF ALL MILK



MINNESOTA'S MONTHLY MILK PRODUCTION AND MILK COWS



DAIRY: FARM NUMBERS BY COUNTY AND DISTRICT, MINNESOTA, JANUARY 1997

County and District	Grade A	Grade B	Total	County and District	Grade A	Grade B	Total
		<u>Number</u>				<u>Number</u>	
Becker	157	47	204	Aitkin	24	20	44
Clay	44	9	53	Anoka	4	1	5
Clearwater	24	21	45	Carlton	38	20	58
Kittson	6	--	6	Chisago	60	17	77
Mahnomen	35	10	45	Crow Wing	36	20	56
Marshall	30	7	37	Hennepin	50	2	52
Norman	27	6	33	Isanti	28	14	42
Pennington	25	14	39	Kanabec	58	22	80
Polk	57	23	80	Mille Lacs	105	47	152
Red Lake	26	10	36	Pine	140	65	205
Roseau	46	15	61	Ramsey	1	--	1
<u>Northwest</u>	477	162	639	Washington	30	3	33
				<u>East Central</u>	574	231	805
Beltrami	41	8	49	Cottonwood	13	12	25
Cass	30	29	59	Jackson	12	4	16
Hubbard	13	5	18	Lincoln	35	36	71
Itasca	7	4	11	Lyon	26	14	40
Koochiching	6	1	7	Murray	35	23	58
Lake of the Woods	4	1	5	Nobles	29	22	51
<u>North Central</u>	101	48	149	Pipestone	49	40	89
				Redwood	33	21	54
Cook	--	--	--	Rock	25	13	38
Lake	--	--	--	<u>Southwest</u>	257	185	442
St. Louis	31	6	37				
<u>Northeast</u>	31	6	37	Blue Earth	25	14	39
				Brown	124	49	173
Big Stone	21	9	30	Faribault	22	8	30
Chippewa	11	4	15	Freeborn	41	18	59
Douglas	205	51	256	Le Sueur	63	21	84
Grant	26	6	32	Martin	16	8	24
Lac Qui Parle	19	18	37	Nicollet	64	25	89
Otter Tail	532	97	629	Rice	165	44	209
Pope	133	20	153	Steele	93	35	128
Stevens	15	2	17	Waseca	56	12	68
Swift	42	14	56	Watsonwan	14	7	21
Traverse	2	4	6	<u>South Central</u>	683	241	924
Wilkin	17	3	20				
Yellow Medicine	26	14	40	Dakota	66	6	72
<u>West Central</u>	1,049	242	1,291	Dodge	94	19	113
				Fillmore	228	151	379
Benton	183	53	236	Goodhue	317	44	361
Carver	187	60	247	Houston	150	70	220
Kandiyohi	153	24	177	Mower	78	17	95
McLeod	175	65	240	Olmsted	160	42	202
Meeker	117	40	157	Wabasha	245	66	311
Morrison	432	100	532	Winona	322	58	380
Renville	46	15	61	<u>Southeast</u>	1,660	473	2,133
Scott	95	37	132				
Sherburne	24	6	30	<u>Minnesota</u>	8,204	2,396	10,600
Sibley	120	42	162				
Stearns	1,093	148	1,241				
Todd	427	114	541				
Wadena	99	45	144				
Wright	221	59	280				
<u>Central</u>	3,372	808	4,180				

SOURCE: BASED ON MN DEPARTMENT OF AGRICULTURE, DAIRY & FOOD DIVISION AND USDA, AGRICULTURAL MARKETING SERVICE

POULTRY

In 1996, Minnesota's turkey growers raised 43.5 million turkeys, up 7% from the previous year. The total liveweight of turkeys produced was a record-high 948 million pounds. The average price received for turkeys in 1996 was 45 cents per pound, up 10 cents from 1995. The value of the state's turkey production in 1996 was up 43% to \$426.7 million.

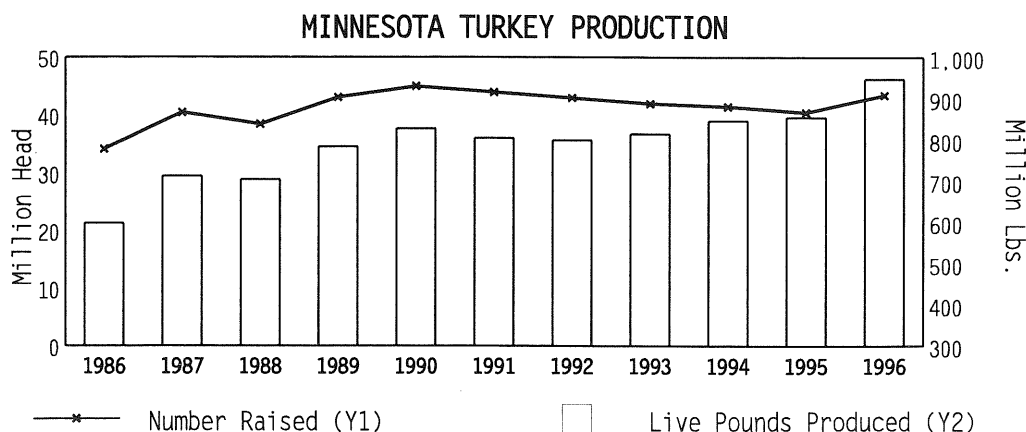
During 1996, hatcheries in the West North Central Region (which includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Minnesota) placed 89.8 million turkey poults, down slightly from 1995.

The state's egg production in 1996 was 3.09 billion eggs, an increase of 9% from 1995. The annual average number of layers on farms rose 9% to 11.9 million. The value of eggs produced rose 53% in 1996 to \$150.5 million. The all-egg price increased to 58.5 cents per dozen. The total chicken inventory (excluding broilers) on December 1, 1996 was up 1% to 15.0 million birds.

Value of sales from chickens (excluding broilers) rose 69% to \$199,000.

In 1996, the number of broilers produced decreased 1% to 47.5 million. From 1995 to 1996, value of production increased 13% to \$94.4 million. The annual average price per pound rose 12% to 37.5 cents per pound.

Hatchery production of egg-type chicks decreased 8% to 24.3 million in 1996. These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.



POULTRY: CHICKEN INVENTORY, EGG PRODUCTION, AND VALUE, MINNESOTA, 1992-96

Year	Chickens on Farms, Dec 1		Chickens 1/		Eggs 1/		Egg-Type Chicks Hatched
	All	Hens & Pullets of Laying Age	Number Sold	Value of Sales	Number Produced	Value of Production	
	<u>1,000 Birds</u>		<u>1,000 Birds</u>	<u>1,000 Dollars</u>	<u>Mil. Eggs</u>	<u>1,000 Dollars</u>	<u>1,000 Birds</u>
1992	13,900	11,150	6,200	998	2.805	95,838	22,313
1993	13,460	10,345	5,200	710	2,692	103,193	23,478
1994	14,230	10,885	6,800	318	2,669	88,967	23,397
1995	14,800	11,435	4,664	118	2,823	98,335	26,447
1996	14,995	11,860	5,015	199	3,087	150,491	24,256

1/ December previous year through November current year.

POULTRY: BROILER AND TURKEY PRODUCTION, AND VALUE, MINNESOTA, 1992-96

Year	Commercial Broilers 1/		Turkeys	
	Number Raised	Value of Production	Number Raised	Value of Production
	<u>1,000 Birds</u>	<u>1,000 Dollars</u>	<u>1,000 Birds</u>	<u>1,000 Dollars</u>
1992	45,300	71,619	43,000	279,930
1993	46,600	80,818	42,000	285,180
1994	47,800	84,524	41,500	304,776
1995	48,000	83,616	40,500	299,093
1996	47,500	94,425	43,500	426,735

1/ December previous year through November current year.

POULTRY: LAYERS AND EGG PRODUCTION BY DISTRICT, MINNESOTA 1995-96

District	Annual Average Layers		Annual Average Eggs per Layer		Total Egg Production	
	1995	1996	1995	1996	1995	1996
	<u>Number</u>		<u>Number</u>		<u>1,000 Eggs</u>	
<u>Northwest</u>	1,023,000	1,133,000	255	265	261,000	300,800
<u>West Central</u>	515,000	559,000	256	262	131,600	146,500
<u>Central</u>	5,159,000	6,209,000	254	257	1,310,100	1,597,000
<u>Southwest</u>	509,000	473,000	255	264	129,800	124,700
<u>South Central</u>	2,881,000	2,735,000	265	258	764,900	705,700
<u>Southeast</u>	333,000	273,000	249	256	82,900	69,900
<u>Other Districts</u>	570,000	560,000	250	254	142,700	142,400
<u>Minnesota</u>	10,990,000	11,942,000	257	258	2,823,000	3,087,000

Note: County estimates were discontinued to protect the confidentiality of individual poultry operations.

POULTRY: PRODUCTION BY MONTH, MINNESOTA, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual 1/
Chickens: Layers on Farms													
	Million												
1992	11.0	11.0	11.1	10.9	10.7	10.5	10.4	10.4	10.6	10.7	10.9	11.1	10.8
1993	11.0	10.8	10.8	10.7	10.6	10.6	10.6	10.6	10.7	10.7	10.5	10.4	10.7
1994	10.4	10.4	10.5	10.5	10.2	10.1	10.2	10.3	10.4	10.6	10.9	11.0	10.4
1995	11.0	11.1	11.1	11.1	11.1	10.9	10.7	10.7	10.9	11.0	11.2	11.5	11.0
1996	11.6	11.7	11.9	12.0	11.9	11.9	12.2	12.3	12.2	12.2	12.1	11.9	11.9
Eggs: Average Number Laid per Layer per Month													
	Number												
1992	22.3	20.9	22.2	21.3	21.7	21.2	22.2	21.8	21.1	21.8	21.4	21.3	260
1993	21.0	19.4	21.5	20.9	21.5	20.2	20.8	20.9	20.7	21.6	21.2	21.6	251
1994	20.9	19.1	21.8	21.4	21.7	21.2	22.4	22.2	21.1	22.0	21.3	22.3	257
1995	22.2	19.8	22.2	21.3	21.5	21.1	21.6	21.4	20.7	21.4	21.3	22.3	257
1996	22.0	20.7	22.2	21.4	21.9	21.1	21.8	21.7	21.2	21.6	20.6	21.4	258
Eggs: Production on Farms 2/													
	Million Eggs												
1992	246	230	245	233	232	224	231	228	223	232	233	236	2,805
1993	230	210	231	224	228	214	220	222	222	232	223	224	2,692
1994	217	199	230	224	220	213	228	229	219	234	232	245	2,669
1995	245	220	246	236	239	231	232	230	226	235	238	255	2,823
1996	255	242	264	256	260	252	267	266	258	264	248	255	3,087
Chickens: Egg-Type Hatchery Production													
	1,000 Birds												
1992	1,611	1,365	2,353	2,096	2,186	1,920	1,793	1,562	1,769	1,965	1,916	1,777	22,313
1993	1,689	2,068	1,859	1,839	2,191	1,783	2,044	1,996	1,666	1,733	2,436	2,174	23,478
1994	2,176	2,199	1,790	1,974	2,418	1,810	1,503	1,762	2,091	1,874	1,796	2,004	23,397
1995	1,683	2,215	2,251	2,167	2,335	2,411	2,232	2,341	2,044	2,134	2,448	2,186	26,447
1996	1,915	2,326	2,037	2,196	2,179	2,022	1,991	1,951	1,684	1,984	1,961	2,010	24,256

1/ Annual data for layers and eggs represent December previous year to November current year. Annual data for hatcheries represent calendar year.

2/ Based on unrounded number of layers and eggs per layer.

POULTRY: PRODUCTION BY MONTH, WEST NORTH CENTRAL REGION, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual 1/
Turkeys: Hatchery Placements 2/													
	1,000 Birds												
1992	6,842	7,240	8,230	8,815	8,947	8,640	8,052	7,191	5,902	6,292	5,924	6,602	88,677
1993	6,347	7,232	7,864	8,325	7,884	8,467	7,711	7,063	5,655	5,704	6,631	6,927	85,810
1994	6,687	7,065	8,383	7,882	8,256	8,592	7,704	7,589	6,834	6,408	6,651	6,910	88,961
1995	7,143	7,184	8,210	7,640	8,652	8,718	8,102	7,566	6,244	7,015	6,944	6,644	90,062
1996	7,375	7,802	7,590	8,800	8,460	7,760	8,121	7,375	6,128	6,382	6,212	7,765	89,770

1/ Annual data for hatcheries represent calendar year.

2/ Totals are placements from West North Central Region hatcheries which include Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota. Data represent total placements excluding exported poults.

MINK: OPERATIONS AND PRODUCTION, MINNESOTA, 1992-96

Year	Number of Mink Farms	Pelts Produced	Females Bred 1/
		<u>Number</u>	
1992	72	332,900	80,300
1993	59	302,200	74,000
1994	53	305,000	75,500
1995	52	306,000	68,500
1996 2/			

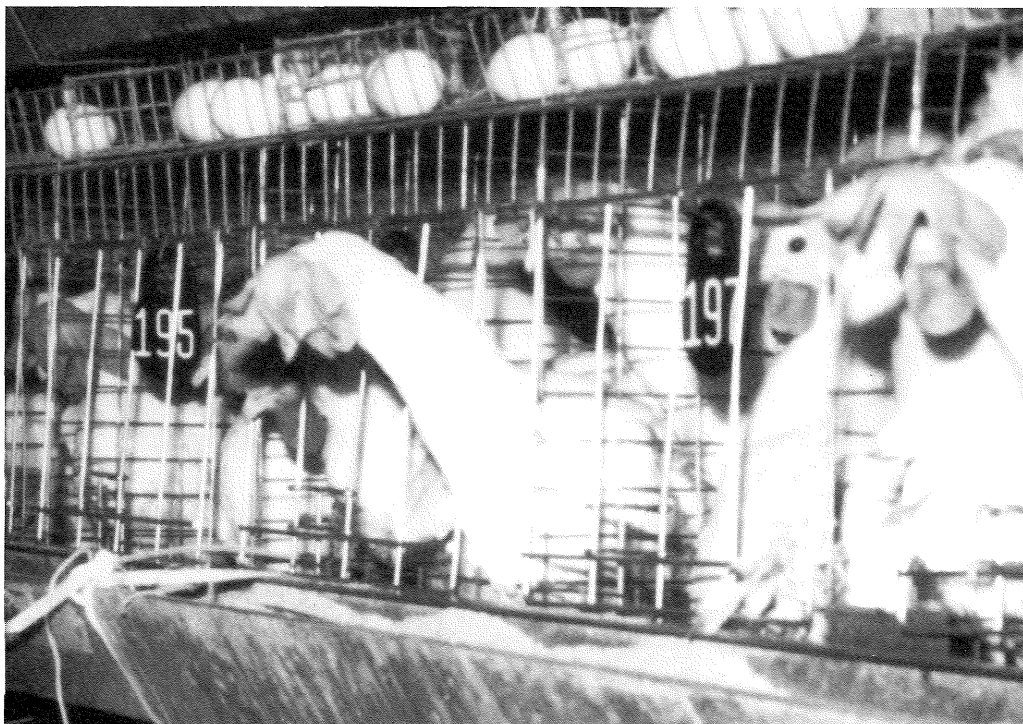
1/ Females bred to produce kits the following year.

2/ 1996 mink data will be available July 22, 1997.

BEE AND HONEY: COLONIES AND PRODUCTION, MINNESOTA, 1992-96

Year	Number of Colonies	Yield per Colony	Production	Stocks Dec 15 1/	Average Price per Pound	Value of Production
	<u>1,000</u>	<u>Pounds</u>	<u>1,000 Lbs.</u>		<u>Cents</u>	<u>1,000 Dols.</u>
1992	190	90	17,100	3,591	54	9,234
1993	180	80	14,400	2,160	53	7,632
1994	170	79	13,430	2,149	52	6,984
1995	165	82	13,530	1,218	70	9,471
1996	150	77	11,550	1,617	91	10,511

1/ Does not include stocks under loan.



Section 4

Farm Prices



CROP PRICES

The 1996 Minnesota annual average price for corn decreased 74 cents from 1995 while soybeans increased 16 cents. Wheat decreased 51 cents while dry beans increased \$6.70 and hay increased \$6.00. The primary source of the crop prices listed in the following tables are elevators and dealers, who buy directly from farmers. The marketing year for different crops may be found in the footnotes following the tables.

PRICES RECEIVED BY FARMERS FOR CROPS: BY MONTH, MINNESOTA, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Marketing Year Average Price 1/
Corn 2/													
	<u>Dollars per Bushel</u>												
1992	2.21	2.30	2.31	2.33	2.39	2.41	2.26	2.07	1.99	1.94	1.88	1.81	1.91
1993	1.84	1.84	1.89	1.98	1.95	1.93	2.04	1.99	2.02	2.07	2.17	2.39	2.26
1994	2.50	2.56	2.52	2.40	2.38	2.39	2.13	1.95	1.83	1.95	1.89	1.95	2.23
1995	1.99	2.04	2.11	2.19	2.24	2.35	2.48	2.44	2.47	2.50	2.59	2.79	3.14
1996	2.84	3.08	3.20	3.53	3.61	3.71	3.94	3.95	3.56	2.69	2.53	2.44	2.40
Soybeans 3/													
	<u>Dollars per Bushel</u>												
1992	5.24	5.39	5.42	5.52	5.69	5.79	5.47	5.29	5.26	5.27	5.21	5.31	5.52
1993	5.44	5.38	5.48	5.56	5.62	5.68	6.38	6.35	5.90	5.86	6.08	6.45	6.18
1994	6.56	6.48	6.46	6.38	6.57	6.50	5.70	5.44	5.47	5.32	5.17	5.22	5.37
1995	5.19	5.18	5.24	5.38	5.32	5.48	5.72	5.61	5.69	5.86	6.10	6.41	6.59
1996	6.55	6.69	6.79	7.19	7.36	7.17	7.39	7.59	7.55	6.84	6.69	6.64	6.75
Sunflowers 3/													
	<u>Dollars per Cwt.</u>												
1992	10.30	9.75	9.45	9.40	9.92	9.68	9.76	10.30	10.60	10.00	9.35	10.20	10.80
1993	11.90	11.40	11.70	12.00	12.10	11.80	12.80	11.90	11.10	11.90	13.60	15.90	14.10
1994	16.00	15.80	16.20	16.00	17.40	4/	14.20	15.10	10.80	11.80	11.90	11.40	11.60
1995	12.00	12.10	11.20	11.40	11.00	11.10	11.20	11.90	9.99	11.60	11.30	11.70	11.80
1996	11.60	12.30	12.50	13.60	13.40	15.20	13.20	11.70	9.69	12.50	13.30	14.20	12.70
All Wheat 5/													
	<u>Dollars per Bushel</u>												
1992	3.57	3.92	3.90	3.80	3.83	3.91	3.72	3.09	3.03	3.00	3.14	3.19	3.17
1993	3.33	3.24	3.32	3.34	3.04	3.01	3.35	2.97	2.78	3.19	3.32	3.57	3.31
1994	3.42	3.43	3.35	3.34	3.62	3.15	3.03	3.18	3.28	3.41	3.45	3.43	3.33
1995	3.35	3.32	3.16	3.21	3.51	3.70	4.26	4.21	4.24	4.50	4.59	4.81	4.71
1996	4.72	4.87	4.91	5.33	5.64	5.87	5.17	4.69	4.59	4.26	4.31	3.99	4.20
Oats 5/													
	<u>Dollars per Bushel</u>												
1992	1.24	1.39	1.33	1.34	1.36	1.31	1.26	1.15	1.23	1.22	1.30	1.33	1.27
1993	1.33	1.37	1.38	1.38	1.37	1.39	1.31	1.26	1.31	1.26	1.38	1.38	1.32
1994	1.41	1.41	1.42	1.41	1.40	1.25	1.08	1.08	1.14	1.15	1.14	1.24	1.15
1995	1.14	1.23	1.16	1.32	1.29	1.34	1.42	1.31	1.28	1.40	1.65	1.80	1.59
1996	1.88	1.90	1.96	2.05	2.15	2.10	2.04	1.87	1.80	1.63	1.77	1.63	1.75

1/ 1996 is preliminary.

2/ Marketing year, October through September.

3/ Marketing year, September through August.

4/ Volume of sales too small to estimate a price.

5/ Marketing year, July through June.

--continued

PRICES RECEIVED BY FARMERS FOR CROPS: BY MONTH, MINNESOTA, 1992-96 (continued)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Marketing Year Average Price 1/
Barley 2/													
	<u>Dollars per Bushel</u>												
1992	1.92	1.90	1.97	2.01	2.05	2.03	2.00	1.77	1.75	1.76	1.86	1.78	1.82
1993	1.87	1.84	1.88	1.90	1.83	1.80	1.78	1.61	1.40	1.68	1.79	1.82	1.76
1994	1.87	1.86	1.85	1.88	1.90	1.77	1.90	1.68	1.78	1.74	1.77	1.85	1.81
1995	1.71	1.85	1.91	1.87	2.02	1.99	2.08	1.95	2.09	2.39	2.61	2.72	2.55
1996	2.98	2.80	2.74	2.89	3.02	3.18	2.97	2.74	2.48	2.29	2.32	2.26	2.40
All Hay Baled 3/													
	<u>Dollars per Ton</u>												
1992	66.00	69.00	65.00	69.00	77.00	78.00	80.00	73.00	76.00	72.00	78.00	81.00	84.50
1993	87.00	90.00	93.00	92.00	93.00	91.00	83.00	98.00	96.00	92.00	94.00	105.00	95.00
1994	90.00	103.00	103.00	103.00	83.00	79.00	74.00	65.00	63.00	70.00	69.00	74.00	70.50
1995	73.00	72.00	71.00	67.00	67.00	72.00	70.00	63.00	60.00	68.00	71.00	84.00	72.50
1996	84.00	80.00	76.00	79.00	75.00	78.00	80.00	77.00	75.00	76.00	83.00	87.00	78.50
Alfalfa Hay, Baled 3/													
	<u>Dollars per Ton</u>												
1992	72.00	74.00	71.00	74.00	81.00	81.00	83.00	79.00	78.00	75.00	83.00	86.00	88.00
1993	91.00	93.00	95.00	97.00	95.00	92.00	88.00	100.00	101.00	98.00	98.00	110.00	99.00
1994	104.00	110.00	109.00	107.00	89.00	82.00	75.00	72.00	70.00	72.00	74.00	80.00	76.00
1995	79.00	76.00	78.00	73.00	77.00	78.00	76.00	75.00	62.00	71.00	83.00	93.00	81.50
1996	93.00	90.00	84.00	84.00	84.00	85.00	83.00	83.00	85.00	82.00	93.00	91.00	85.00
All Other Hay, Baled 3/													
	<u>Dollars per Ton</u>												
1992	45.00	47.00	45.00	47.00	51.00	51.00	52.00	49.00	48.00	51.00	50.00	52.00	54.00
1993	56.00	61.00	58.00	60.00	60.00	58.00	57.00	68.00	73.00	70.00	63.00	76.00	67.00
1994	65.00	69.00	68.00	74.00	56.00	51.00	51.00	49.00	45.00	48.00	50.00	55.00	51.00
1995	59.00	56.00	54.00	52.00	45.00	46.00	44.00	44.00	45.00	40.00	42.00	48.00	45.00
1996	49.00	41.00	44.00	53.00	53.00	58.00	54.00	51.00	51.00	62.00	60.00	73.00	57.00
Dry Beans 4/													
	<u>Dollars per Cwt.</u>												
1992	18.40	19.40	12.90	13.70	18.50	13.00	20.60	18.60	21.30	19.90	21.20	23.00	20.60
1993	23.10	27.80	24.60	18.50	17.50	15.00	17.90	20.70	21.80	22.50	25.40	26.40	23.80
1994	26.30	23.50	23.70	23.60	23.20	26.80	24.40	21.90	22.00	23.30	19.70	20.00	21.50
1995	21.20	20.70	19.60	20.00	21.40	22.50	19.80	20.00	17.10	17.10	16.70	20.20	18.90
1996	21.30	21.40	17.80	20.20	23.80	26.80	29.00	28.10	26.50	23.90	26.10	21.90	25.60
Potatoes 2/													
	<u>Dollars per Cwt.</u>												
1992	3.75	4.30	4.45	4.15	3.55	5/	8.25	5.25	4.55	3.55	4.10	4.40	4.55
1993	4.30	4.40	4.85	5.85	5.00	5/	10.00	5.35	4.80	5.30	5.85	5.35	5.65
1994	5.60	7.00	6.75	7.25	8.05	5/	8.80	5.55	4.80	4.80	5.05	5.30	4.90
1995	4.90	4.85	5.15	5.15	4.70	4.60	8.50	6.50	5.00	4.70	4.55	4.95	5.25
1996	6.10	5.95	5.85	6.05	6.30	5.00	5/	7.35	4.75	5.05	4.55	4.30	4.75

1/ 1996 is preliminary.

2/ Marketing year, July through June.

3/ Marketing year, June through May.

4/ Marketing year, September through August.

5/ Not published due to insufficient marketings.

LIVESTOCK, DAIRY, AND POULTRY PRICES

The livestock and dairy price statistics included in these tables are based on reports from farmers, auction markets, livestock buyers, meat and poultry processing plants, Market News Service, produce houses, egg handlers and dealers, marketing cooperatives, dairy plants, and other firms doing business with farmers. The marketing year for livestock, dairy, and poultry items is a calendar year, except for hogs, chickens, and eggs, which are on a December-November basis.

The 1996 Minnesota annual average prices for meat animals were higher than 1995, except for cows, which decreased \$5.50 per cwt. and calves, which were down \$22.60. Beef cattle increased \$1.20 per cwt. while steers and heifers increased \$2.10. All hogs and barrows and gilts each increased \$11.30, while sows were up \$11.50. Sheep gained \$2.30 while lambs increased \$10.40. Milk cows for dairy herd replacement declined \$40 per head. Turkeys were up 10 cents per pound while table market eggs were up 17 cents per dozen. All milk and grade A milk were up \$1.88 per 100 pounds. Manufacturing grade milk was up \$1.81.

PRICES RECEIVED BY FARMERS FOR LIVESTOCK: BY MONTH, MINNESOTA, 1992-96

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average Price
Beef Cattle 1/													
<u>Dollars per Cwt.</u>													
1992	63.30	67.40	69.00	69.00	67.20	65.60	64.90	65.40	64.80	66.60	64.40	65.80	66.10
1993	69.50	69.60	70.90	71.70	71.10	67.40	65.30	64.20	62.90	61.10	62.30	60.20	66.20
1994	60.60	60.20	64.70	64.80	60.00	55.50	55.70	57.50	57.20	57.40	58.10	56.80	59.00
1995	60.20	61.50	60.50	58.60	56.20	55.00	53.00	53.10	53.60	54.70	55.00	57.20	56.60
1996	55.40	54.50	55.10	52.90	54.70	54.70	58.60	59.30	61.20	62.40	65.10	60.20	57.80
Steers and Heifers													
<u>Dollars per Cwt.</u>													
1992	67.30	70.80	72.50	72.80	70.30	68.60	68.10	67.90	68.40	70.70	69.20	70.00	69.70
1993	72.80	72.60	74.00	74.70	73.30	69.70	67.10	66.20	64.90	62.80	65.00	62.10	68.60
1994	62.10	61.80	66.50	66.40	61.20	56.60	56.60	59.00	58.70	59.00	60.70	58.90	60.50
1995	62.80	63.50	62.30	60.30	58.10	56.70	54.60	54.90	55.60	57.20	58.20	59.70	58.60
1996	57.70	56.70	57.20	56.00	58.00	58.00	60.80	62.10	64.90	66.20	67.10	64.30	60.70
Cows 2/													
<u>Dollars per Cwt.</u>													
1992	45.40	48.00	47.90	47.60	48.40	47.20	47.60	48.80	46.10	44.50	42.20	45.80	46.40
1993	46.60	49.20	47.00	48.20	49.60	49.30	49.10	48.70	47.90	46.50	45.90	45.10	47.60
1994	47.30	48.70	49.30	49.30	47.70	45.40	45.20	44.00	43.70	41.60	37.20	37.50	44.60
1995	37.70	40.90	41.80	38.50	37.50	38.40	35.80	36.20	35.60	34.20	30.60	32.00	36.40
1996	32.60	31.90	31.50	30.40	32.40	31.40	32.20	31.90	31.20	31.00	26.70	28.50	30.90
Calves													
<u>Dollars per Cwt.</u>													
1992	86.50	91.50	99.60	98.80	91.50	98.00	104.00	101.00	96.50	90.30	83.70	90.90	92.90
1993	89.20	91.70	101.00	102.00	99.00	111.00	100.00	90.50	100.00	93.07	91.90	96.60	97.10
1994	94.40	95.90	100.00	102.00	97.50	86.00	93.90	93.20	82.00	80.00	77.00	72.00	90.40
1995	79.00	85.00	85.80	85.60	73.20	74.20	70.00	67.20	66.50	65.00	62.00	62.60	72.90
1996	57.00	52.90	49.80	51.00	51.00	51.00	51.00	50.00	51.50	49.10	46.10	42.50	50.30

1/ Cows and Steers and Heifers combined.

2/ Beef cows and dairy cows sold for slaughter.

--continued

PRICES RECEIVED BY FARMERS FOR LIVESTOCK: BY MONTH, MINNESOTA, 1992-96 (continued)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average Price
Hogs 1/ 2/													
<u>Dollars per Cwt.</u>													
1992	37.80	41.10	40.00	41.90	46.40	48.20	46.10	45.30	43.10	43.20	42.40	42.80	42.80
1993	42.70	45.40	48.50	46.80	48.40	49.40	47.20	48.90	48.30	48.20	43.90	41.60	46.60
1994	44.40	49.00	45.30	43.70	43.70	43.60	43.00	42.80	36.30	33.00	28.90	32.20	41.10
1995	39.10	40.30	38.90	36.90	38.30	43.80	48.00	50.50	49.70	47.50	41.10	44.80	41.90
1996	43.90	47.60	49.90	51.10	56.70	56.50	60.10	61.60	56.50	57.80	56.00	57.00	53.20
Barrows and Gilts 1/													
<u>Dollars per Cwt.</u>													
1992	38.40	41.60	40.40	42.30	46.90	49.00	46.90	45.90	43.70	43.60	42.90	43.60	43.40
1993	43.10	45.80	48.80	47.10	48.80	50.00	47.70	49.60	48.80	48.60	44.30	42.00	47.10
1994	44.80	49.50	45.60	43.90	44.00	44.10	43.70	43.40	36.80	33.40	29.30	32.80	41.50
1995	39.70	40.70	39.20	37.20	38.70	44.50	48.90	51.20	50.40	47.80	41.40	45.40	42.50
1996	44.50	48.10	50.60	52.00	57.50	57.10	60.70	62.10	56.90	58.10	56.10	57.30	53.80
Sows 1/													
<u>Dollars per Cwt.</u>													
1992	26.90	31.80	32.90	34.60	37.30	35.70	31.70	33.40	32.20	35.80	31.60	30.60	32.70
1993	33.30	35.60	40.40	39.90	38.70	37.10	34.80	35.70	36.80	36.90	34.90	30.80	35.80
1994	34.00	38.10	39.00	38.60	36.00	33.50	30.00	30.20	27.00	24.50	19.80	19.40	31.40
1995	26.10	29.30	31.60	30.00	28.90	29.60	29.50	34.90	36.10	39.60	32.40	32.40	30.30
1996	32.30	34.40	35.60	37.40	42.00	46.90	47.10	50.20	47.80	51.10	53.10	49.50	41.80
Sheep													
<u>Dollars per Cwt.</u>													
1992	26.10	28.40	29.90	26.00	20.90	20.50	23.60	26.40	24.90	21.80	24.60	27.00	24.90
1993	30.80	27.40	30.30	23.20	24.10	24.50	27.50	26.90	23.80	22.00	23.10	25.80	25.50
1994	28.20	28.70	28.40	24.20	23.20	29.40	25.10	24.20	25.70	24.00	27.10	29.30	26.10
1995	24.90	26.60	23.10	23.60	24.80	24.10	25.10	24.80	21.50	22.40	21.10	20.30	23.50
1996	26.50	30.60	30.00	23.50	21.60	19.60	27.40	26.60	27.00	24.70	24.90	32.00	25.80
Lambs													
<u>Dollars per Cwt.</u>													
1992	53.20	55.70	64.70	68.40	66.40	65.40	60.70	54.60	55.50	54.20	58.30	67.00	60.00
1993	69.90	76.00	79.20	70.00	63.20	57.40	53.60	60.40	65.30	65.40	68.80	66.60	66.40
1994	59.10	59.20	55.90	50.70	57.70	68.30	75.60	76.60	73.40	66.40	67.30	61.00	64.60
1995	61.70	69.00	72.30	70.30	82.00	89.40	84.40	82.50	81.60	72.70	70.20	72.90	75.30
1996	74.40	83.80	87.40	84.50	89.90	102.00	98.00	79.80	83.30	80.40	80.70	92.40	85.70

1/ Annual average price is the marketing year average -- December previous year through November current year.

2/ "Barrows and Gilts" and "Sows" combined.

--continued

PRICES RECEIVED BY FARMERS FOR MILK AND MILK COWS: BY MONTH,
MINNESOTA, 1992-96 (continued)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average Price
All Milk													
<u>Dollars per Cwt.</u>													
1992	12.98	12.37	11.99	12.42	12.87	13.19	13.28	13.35	13.32	13.18	12.93	12.41	12.85
1993	11.94	11.77	12.05	13.15	13.40	12.95	12.33	12.11	12.94	13.62	13.87	13.64	12.80
1994	13.52	13.48	13.75	13.81	12.35	12.09	12.21	12.59	12.96	13.18	12.84	12.45	12.93
1995	12.36	12.64	12.62	12.01	11.90	11.96	11.84	12.21	12.99	13.84	14.40	14.25	12.72
1996	13.98	13.76	13.83	14.12	14.67	14.80	15.38	16.04	16.56	15.47	13.70	13.11	14.60
Fluid Market Milk													
<u>Dollars per Cwt.</u>													
1992	13.23	12.60	12.20	12.62	13.06	13.37	13.46	13.54	13.52	13.37	13.11	12.59	13.05
1993	12.11	11.93	12.21	13.31	13.55	13.13	12.52	12.29	13.08	13.77	14.03	13.80	12.96
1994	13.68	13.64	13.90	13.95	12.49	12.26	12.36	12.74	13.10	13.31	12.97	12.59	13.08
1995	12.49	12.77	12.74	12.14	12.04	12.10	11.97	12.34	13.11	13.96	14.52	14.38	12.85
1996	14.13	13.89	13.97	14.24	14.79	14.92	15.51	16.17	16.69	15.61	13.85	13.25	14.73
Manufacturing Grade Milk													
<u>Dollars per Cwt.</u>													
1992	11.81	11.26	10.96	11.47	11.98	12.31	12.39	12.39	12.23	12.10	11.83	11.36	11.83
1993	10.93	10.78	11.11	12.19	12.50	11.94	11.21	11.01	12.02	12.56	12.71	12.46	11.75
1994	12.32	12.33	12.63	12.77	11.36	10.95	11.12	11.51	11.91	12.17	11.77	11.28	11.84
1995	11.24	11.55	11.56	10.93	10.79	10.93	10.77	11.11	11.99	12.78	13.22	13.02	11.58
1996	12.67	12.60	12.58	13.06	13.68	13.76	14.25	14.86	15.38	14.09	12.04	11.64	13.39
Milk Cows 1/													
<u>Dollars per Head</u>													
1992	1,000	--	--	1,040	--	--	1,070	--	--	1,090	--	--	1,050
1993	1,070	--	--	1,100	--	--	1,110	--	--	1,100	--	--	1,100
1994	1,120	--	--	1,130	--	--	1,110	--	--	1,090	--	--	1,110
1995	1,060	--	--	1,090	--	--	1,070	--	--	1,020	--	--	1,060
1996	980	--	--	1,000	--	--	1,020	--	--	1,060	--	--	1,020

1/ Milk cows sold for dairy herd replacement only.

--continued



PRICES RECEIVED BY FARMERS FOR POULTRY: BY MONTH, MINNESOTA, 1992-96 (continued)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average Price
Turkeys													
	<u>Cents per Pound Live Weight</u>												
1992	36	37	38	38	36	36	34	34	34	34	34	34	35
1993	35	36	37	37	36	35	34	35	35	35	36	35	35
1994	37	38	39	39	37	37	35	34	34	36	36	33	36
1995	34	35	35	35	32	34	34	34	34	35	36	37	35
1996	40	41	43	44	46	46	48	47	47	47	45	42	45
Table Market Eggs 1/													
	<u>Cents per Dozen</u>												
1992	40	34	34	34	32	33	37	38	43	39	50	48	38
1993	44	40	54	48	40	46	39	43	35	40	44	40	43
1994	36	42	42	37	32	34	36	36	36	31	35	37	36
1995	33	32	33	34	29	32	40	42	47	45	57	60	38
1996	61	52	56	54	50	53	52	57	59	53	63	75	56

1/ Table market eggs include eggs sold retail by the producers but exclude hatching eggs. The annual average price is the marketing year average - December previous year through November current year.

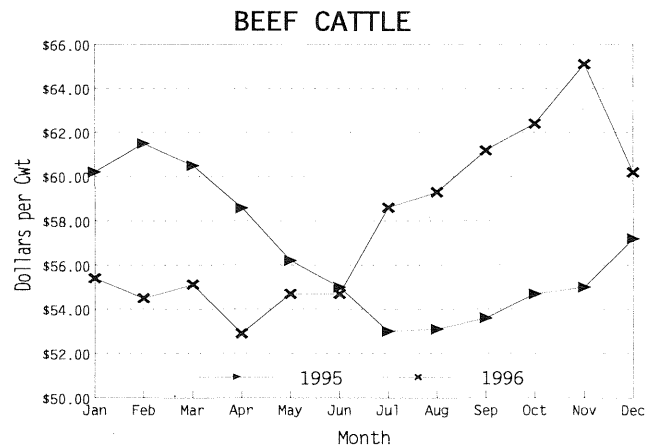
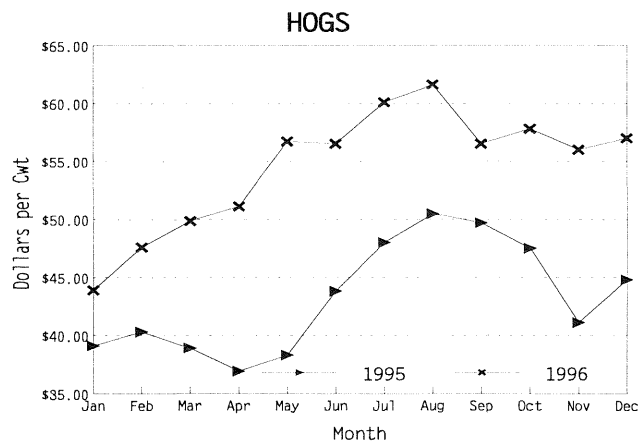
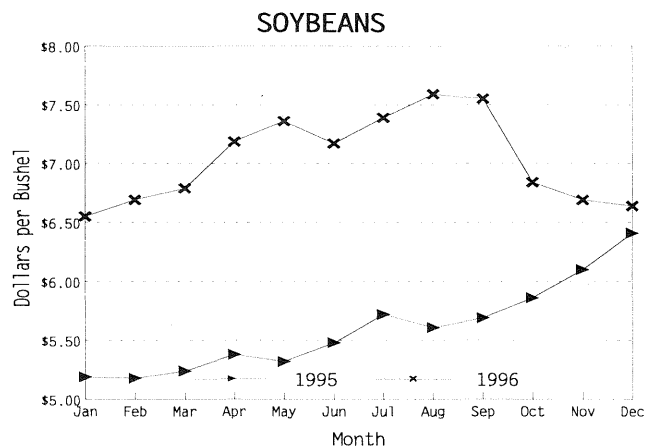
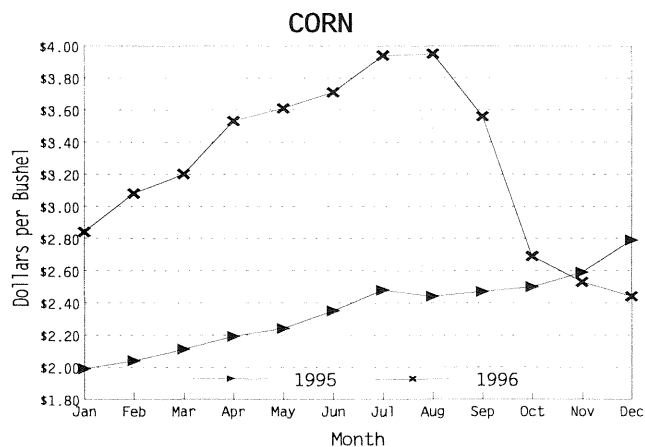
PRICES PAID BY FARMERS FOR FEEDER PIGS: BY QUARTER, MINNESOTA, 1992-96

Year	Nov 1/	Feb	May	Aug
	<u>Dollars per Cwt.</u>			
1992	73.50	84.50	84.50	70.50
1993	68.50	92.00	104.00	88.50
1994	84.50	92.00	91.00	71.90
1995	52.00	82.50	76.00	76.00
1996	78.50	76.50	93.00	97.00

1/ November previous year.

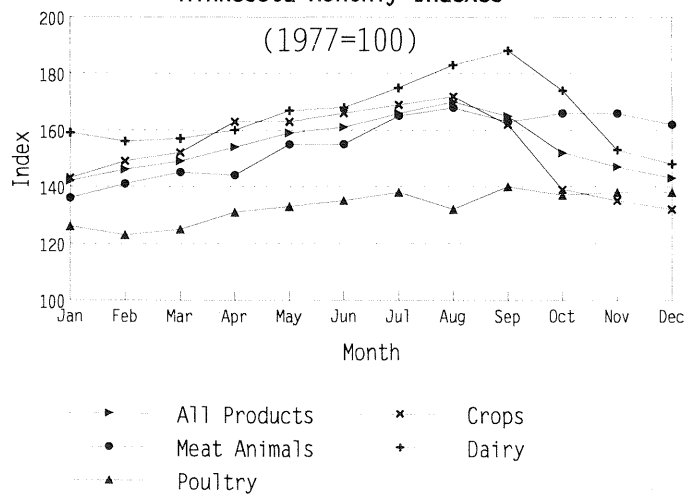


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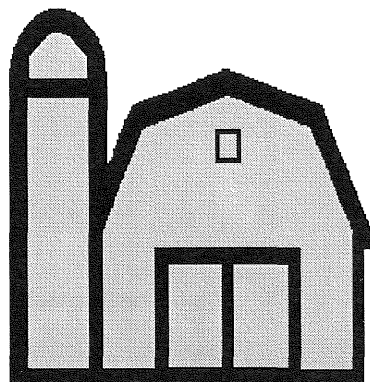
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