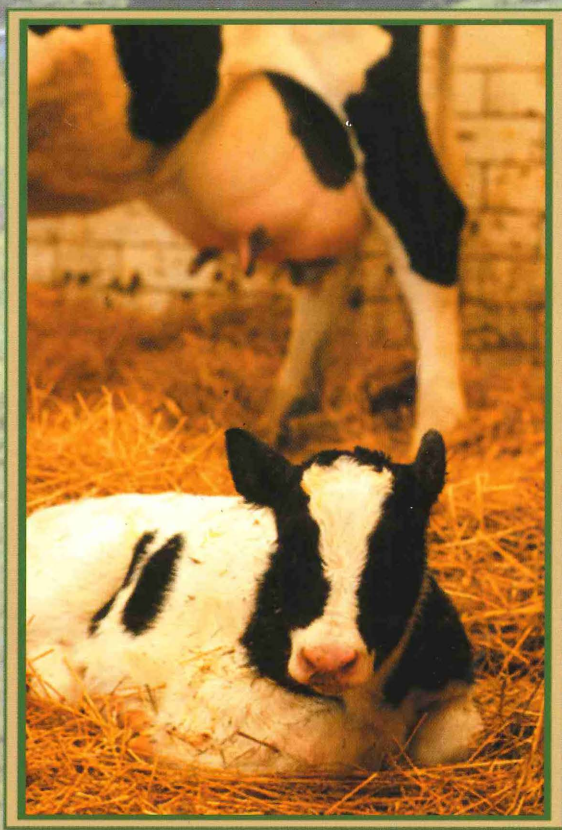
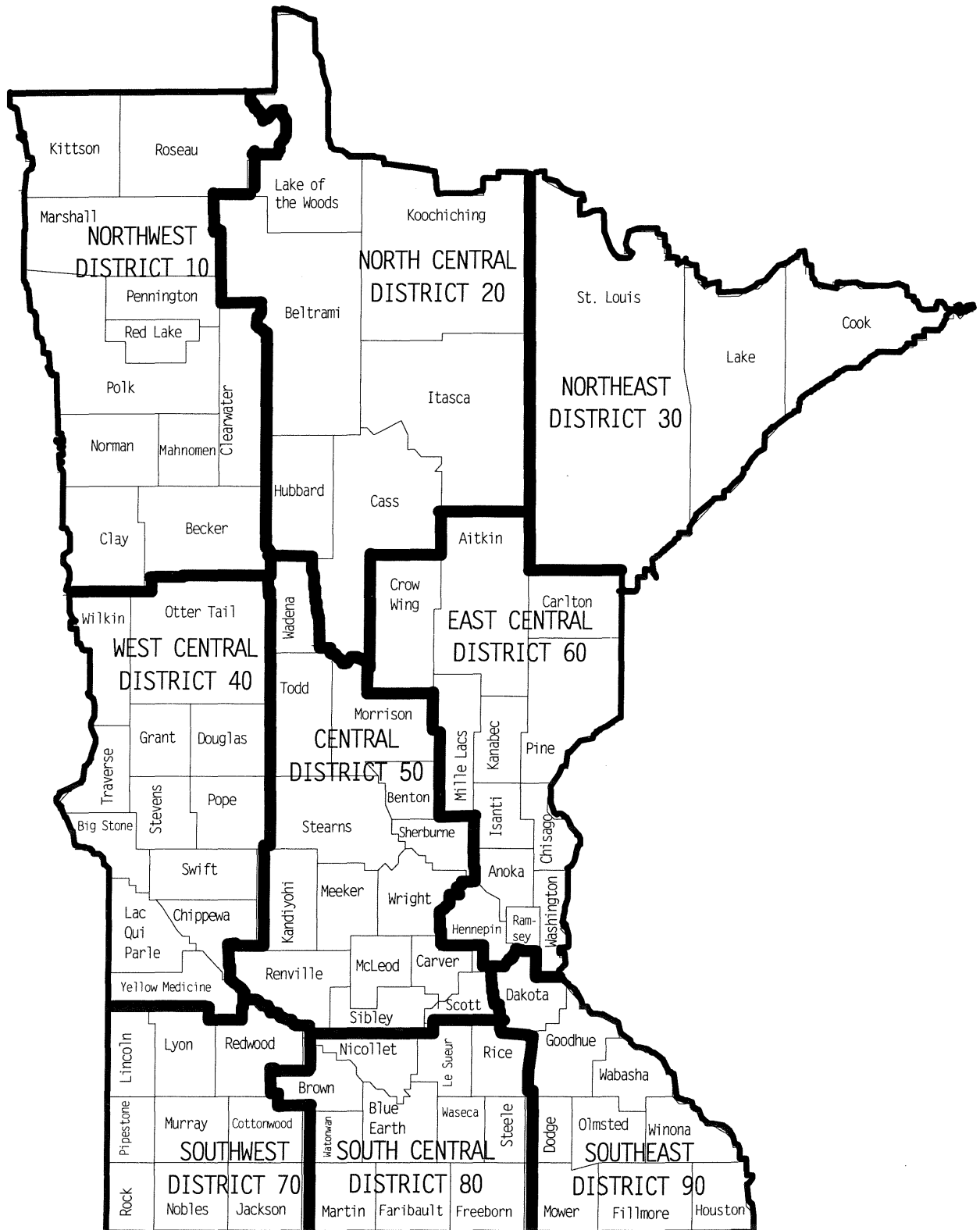


1999 Minnesota Agricultural Statistics



MINNESOTA'S AGRICULTURAL STATISTICS DISTRICTS



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S. Rankin
Rec'd 8-30-99

Minnesota Agricultural Statistics

1999

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Minnesota Department of Agriculture
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Foreword

This past year, Minnesota's agricultural community has been on a roller-coaster ride. While we have seen record corn and soybean yield and record pork production, our farmers have suffered from crippling price drops and lingering crop disease and weather problems. The low prices in many commodities have the potential to cause long-term problems for Minnesota agriculture.

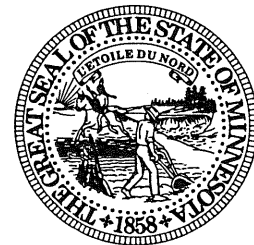
For Minnesota farmers to survive and thrive in the coming years, we need to increase demand for our commodities. This means finding new uses at home and new markets abroad. It is essential that we continue to develop new export markets for our agricultural commodities so that, when the global economy turns around, our farmers will be able to take advantage of these opportunities.

Developing new markets requires that we have timely and accurate information about the supplies of agricultural commodities. This is where we rely on farmers and agribusinesses to provide the facts. Markets run on information, and where there is a lack of accurate data, they substitute speculation.

I want to thank all the farmers and agribusinesses who made this *Minnesota Agricultural Statistics* book possible by responding to surveys conducted by the Minnesota Agricultural Statistics Service. With your help, we are pleased to offer this snapshot of Minnesota agriculture.



Gene Hugoson, Commissioner
Minnesota Department of Agriculture



We are pleased to feature Minnesota's dairy industry on the front cover of the *1999 Minnesota Agricultural Statistics* book. Dairy products consistently rank as one of the top three commodities in cash receipt from farm marketings, accounting for more than \$1.0 billion each year.

Thanks to all the farmers and agribusinesses who responded to our surveys, and thanks also for completing their 1997 Census of Agriculture form. Census information was released in February 1999 and is available at the following web site: <http://www.nass.usda.gov/census/> or can be obtained by contacting our office.



Michael Hunst, State Statistician
Minnesota Agricultural Statistics Service

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, 1998:										
Total	CA	TX	IA	NE	KS	IL	<u>MN</u>	NC	FL	WI
Livestock & Livestock Products	TX	CA	NE	KS	IA	WI	NC	<u>MN</u>	GA	AR
Crops	CA	IA	IL	FL	TX	<u>MN</u>	NE	IN	WA	NC
Crop Production, 1998:										
Corn	IA	IL	NE	<u>MN</u>	IN	OH	SD	KS	WI	MO
Soybeans	IA	IL	<u>MN</u>	IN	OH	MO	NE	SD	AR	KS
All Wheat 1/	KS	ND	OK	MT	WA	TX	SD	CO	ID	NE
Spring Wheat	ND	MT	<u>MN</u>	SD	ID	WA	OR	CO	UT	NV
Oats	ND	SD	<u>MN</u>	WI	IA	PA	TX	NY	OH	NE
Barley	ND	ID	MT	WA	<u>MN</u>	CO	OR	CA	WY	UT
All Sunflowers	ND	SD	KS	CO	<u>MN</u>	NE	TX			
Dry Edible Beans	ND	MI	NE	CO	<u>MN</u>	ID	CA	WA	WY	NY
All Hay	SD	CA	KS	MO	NE	<u>MN</u>	TX	WI	KY	ID
All Potatoes	ID	WA	WI	ND	CO	OR	<u>MN</u>	ME	MI	CA
Sugarbeets	<u>MN</u>	ID	ND	CA	MI	MT	CO	WA	WY	NE
Flax	ND	<u>MN</u>	SD							
Rye 2/	ND	OK	SD	GA	<u>MN</u>	NY	PA	NC	MI	SC
Sweet Corn for Processing	WA	<u>MN</u>	WI	OR	NY	ID	IL	PA		
Green Peas for Processing	<u>MN</u>	WA	WI	OR	NY					
Cultivated Wild Rice 3/	CA	<u>MN</u>								
Livestock, Dairy, Poultry:										
Red Meat Production, 1998	NE	IA	KS	TX	IL	<u>MN</u>	CO	NC	WI	IN
Cattle/Calves, January 1, 1999 4/	TX	NE	KS	OK	CA	MO	SD	IA	WI	CO
Milk Cows, January 1, 1999	CA	WI	NY	PA	<u>MN</u>	TX	ID	MI	OH	WA
Cattle/Calves Marketed, 1998 5/	TX	NE	KS	OK	CO	CA	IA	MO	SD	MT
Cattle/Calves on Feed, Jan 1, 1999	TX	NE	KS	CO	IA	OK	CA	SD	ID	<u>MN</u>
Hogs, December 1, 1998	IA	NC	<u>MN</u>	IL	IN	NE	MO	OK	OH	KS
Pig Crop, 1998	NC	IA	<u>MN</u>	IL	MO	IN	NE	OK	KS	OH
Hogs Marketed, 1998	IA	NC	<u>MN</u>	IL	MO	IN	NE	OK	OH	KS
All Sheep & Lambs, Jan 1, 1999 4/	TX	CA	WY	CO	SD	UT	MT	NM	ID	OR
Lamb Crop, 1998 4/	TX	WY	MT	UT	SD	CA	ID	CO	IA	NM
All Chickens, December 1, 1998 1/	OH	IA	GA	CA	IN	PA	TX	AR	NC	AL
Eggs Produced, Dec 1997-Nov 1998	OH	CA	PA	IA	IN	GA	TX	AR	<u>MN</u>	NE
Turkeys Raised, 1998	NC	<u>MN</u>	AR	VA	MO	CA	IN	SC	PA	OH
Milk Production, 1998	CA	WI	NY	PA	<u>MN</u>	IA	TX	MI	WA	OH
Dairy Products Manufactured, 1998:										
Total Cheese	WI	CA	NY	<u>MN</u>	ID	PA	IA	WA	MO	SD
American Cheese	WI	<u>MN</u>	CA	ID	WA	IA	SD	OR	OH	UT
Italian Cheese	WI	CA	NY	PA	SD	<u>MN</u>				
Butter	WI	CA	PA	WA	<u>MN</u>	OR	NY	ND		
Ice Cream	CA	IN	TX	PA	<u>MN</u>	OH	NY	FL	MI	NC
Mink Pelts Produced, 1998	WI	UT	<u>MN</u>	OR	ID	WA	IA	SD	OH	PA
Honey Produced, 1998	CA	ND	FL	SD	MT	<u>MN</u>	WI	TX	MI	ID
Agricultural Exports, Fiscal 1998:	CA	IA	IL	TX	NE	KS	<u>MN</u>	WA	AR	IN

1/ Minnesota ranks 11th.

2/ SC and TX tied for 10th place.

3/ Source: MINNESOTA CULTIVATED WILD RICE COUNCIL

4/ Minnesota ranks 12th.

5/ Minnesota ranks 15th.

COUNTY RANKINGS: MINNESOTA'S LEADING AGRICULTURAL COUNTIES

Item	1	2	3	4	5	6	7	8	9	10
1997 Cash Farm Receipts:										
Total	Stearns	Renville	Martin	Polk	Kandiyohi	Otter Tail	Redwood	Blue Earth	Cottonwood	Brown
Crops	Polk	Renville	Clay	Marshall	Faribault	Martin	Redwood	Chippewa	Mower	Freeborn
Livestock	Stearns	Kandiyohi	Martin	Otter Tail	Morrison	Brown	Fillmore	Goodhue	Blue Earth	Redwood
Government Payments	Polk	Marshall	Stearns	Kittson	Otter Tail	Freeborn	Roseau	Renville	Norman	Martin
1998 Crop Production:										
Corn for Grain	Renville	Martin	Redwood	Faribault	Nobles	Jackson	Blue Earth	Mower	Freeborn	Cottonwood
Soybeans	Renville	Redwood	Martin	Nobles	Blue Earth	Mower	Murray	Cottonwood	Jackson	Faribault
All Wheat	Polk	Marshall	Norman	Clay	Kittson	Wilkin	Roseau	Grant	Traverse	Otter Tail
Oats	Stearns	Otter Tail	Todd	Roseau	Pennington	Kittson	Marshall	Morrison	Polk	Fillmore
Barley	Marshall	Polk	Kittson	Roseau	Pennington	Norman	Clay	Wilkin	Red Lake	Mahnomen
Sunflowers	Roseau	Marshall	Polk	Kittson	Red Lake	Pennington	Clay	Norman	Wilkin	Otter Tail
Sugarbeets	Polk	Clay	Norman	Marshall	Wilkin	Renville	Kittson	Chippewa	Kandiyohi	Grant
Rye	Morrison	Marshall	Kittson	Isanti	Stearns	Red Lake	Todd	Sherburne	Roseau	Benton
Flax	Kittson	Marshall	Roseau	Lk of Woods	Pennington					
Dry Edible Beans	Polk	Otter Tail	Marshall	Hubbard	Norman	Wadena	Clay	Kittson	Mahnomen	Renville
All Hay	Stearns	Otter Tail	Fillmore	Morrison	Winona	Goodhue	Todd	Houston	Wabasha	Olmsted
Potatoes 1/	Sherburne	Polk	Morrison	Todd	Clay	Freeborn	Marshall	Kittson	Red Lake	
Green Peas	Renville	Brown	Sibley	Mower	Steele	Olmsted	Redwood	Dakota	Waseca	Goodhue
Sweet Corn	Renville	Brown	Faribault	Olmsted	Mower	Sibley	Freeborn	Redwood	Dodge	Goodhue
Livestock, Dairy & Poultry:										
Cattle & Calves, Jan 1, 1999 2/	Stearns	Otter Tail	Winona	Morrison	Fillmore	Goodhue	Todd	Wabasha	Houston	Olmsted
Beef Cows, Jan 1, 1999 3/	Fillmore	Otter Tail	Cass	Morrison	Beltrami	Houston	Clearwater	Todd	Pipestone	Olmsted
Milk Cows, Jan 1, 1999	Stearns	Otter Tail	Morrison	Winona	Goodhue	Todd	Wabasha	Fillmore	Wright	Carver
Milk Prod., 1998	Stearns	Otter Tail	Winona	Morrison	Goodhue	Wabasha	Todd	Fillmore	Wright	Carver
Breeding Sheep & Lambs, Jan 1, 1999 4/	Pipestone	Murray	Lincoln	Otter Tail	Goodhue	Cottonwood	Jackson	Kandiyohi	Fillmore	Todd
Hogs, Dec 1, 1998	Martin	Blue Earth	Renville	Brown	Nicollet	Nobles	Redwood	Rice	Faribault	Freeborn
Pig Crop, 1998	Martin	Blue Earth	Renville	Nicollet	Brown	Faribault	Pipestone	Nobles	Jackson	Freeborn
Cattle & Calves on Feed, Jan 1, 1999 5/	Nobles	Murray	Cottonwood	Lyon	Rock	Redwood	Stearns	Renville	Stevens	Blue Earth

1/ Includes published counties only.

2/ Todd and Wabasha tied for 7th.

3/ Olmsted, Polk, Roseau and Stearns tied for 10th.

4/ Cottonwood and Jackson tied for 6th; Fillmore and Todd tied for 9th.

5/ Cottonwood, Lyon and Rock tied for 3rd; Redwood and Stearns tied for 6th; Blue Earth and Dakota tied for 10th.

FARM NUMBERS

The number of farms in Minnesota in 1998 was estimated at 80,000, 1,000 fewer than the 81,000 farms in 1997. Land in farms decreased to 28,900,000 acres from 29,100,000 acres in 1997. The average farm size increased to 361 acres from 359 acres in 1997.

Over the last five years, significant attempts have been made to resolve differences and make procedural changes so that the farm definition for both the Census of Agriculture and the National Agricultural Statistics Service (NASS) would be the same. The farm definition for the Census of Agriculture and NASS is now the same and represents USDA's "Official Estimates" of Farm Numbers and Land in Farms. A farm is defined as any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

NUMBER OF FARMS, AVERAGE SIZE, AND LAND IN FARMS: MINNESOTA, 1987-98 1/ 2/

Year	Number of Farms	Land in Farms	Avg. Size of Farms
	Number	1,000 Acres	Acres
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	86,000	29,700	345
1994	84,500	29,500	349
1995	83,000	29,400	354
1996	82,000	29,200	356
1997	81,000	29,100	359
1998	80,000	28,900	361

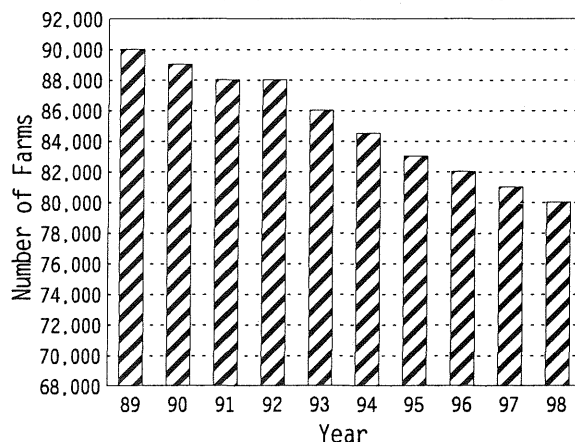
1/ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

2/ 1992 and earlier farm numbers and land in farms are for a June 1 reference date. Starting with 1993, numbers are for the entire year.

NUMBER OF FARMS AND LAND IN FARMS: BY SALES CLASS, MINNESOTA, 1993-98

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)		
1993	30,500	33,500	22,000	3,200	9,600	16,900
1994	30,000	33,500	21,000	3,300	9,500	16,700
1995	30,000	32,500	20,500	3,300	9,300	16,800
1996	29,000	31,500	21,500	3,100	9,000	17,100
1997	29,500	30,500	21,000	3,100	8,700	17,300
1998	29,500	29,500	21,000	3,100	8,500	17,300

MINNESOTA FARM NUMBERS



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

Item	Units	1972-76	1977-81	1982-86	1987-91	1992-96	1997
Red Meats 1/ 2/	Pounds	128.6	127.2	122.9	115.4	113.7	111.0
Beef	"	81.7	77.4	73.9	66.1	63.5	63.8
Veal	"	2.0	1.7	1.5	1.0	0.8	0.9
Pork	"	43.3	47.0	46.5	47.2	48.6	45.6
Lamb and Mutton	"	1.6	1.0	1.1	1.0	0.9	0.8
Poultry	"	34.3	39.2	44.4	54.3	62.8	64.8
Chicken	"	27.5	31.7	35.4	41.3	48.6	50.9
Turkey	"	6.8	7.5	9.0	13.0	14.2	13.9
Fish & Shellfish	"	12.5	12.8	14.0	15.3	14.9	14.5
Eggs	Number	284.0	270.1	258.5	241.1	236.2	238.7
All Dairy Products, Including Butter 3/	Pounds	545.6	543.3	578.9	576.3	577.2	579.8
Fluid Milk and Cream	Gallons	30.0	28.1	26.4	25.9	24.7	24.0
Whole	"	21.3	17.3	14.3	11.1	8.8	8.2
2 Percent Fat	"	4.5	6.1	7.5	8.9	8.5	7.7
1 Percent Fat	"	1.0	1.7	1.7	2.1	2.5	2.6
Skim	"	1.5	1.3	1.4	2.2	3.4	4.0
Yogurt	1/2 pints	3.0	4.5	6.4	7.8	8.5	9.5
Cheese 4/	Pounds	14.1	17.1	21.5	24.3	26.8	28.0
American 5/	"	8.2	9.6	11.8	11.4	11.6	12.0
Italian	"	3.0	4.2	5.9	8.5	10.3	11.0
Other 6/	"	2.9	3.3	3.8	4.3	4.9	5.1
Frozen Dairy Products 7/	"	28.0	26.8	27.3	28.4	29.2	28.7
Ice Cream	"	17.8	17.5	18.1	16.8	16.0	16.2
Fats and Oils (Product Weight)	"	56.6	58.9	64.8	66.2	70.7	68.2
Butter	"	4.7	4.4	4.7	4.4	4.5	4.2
Margarine	"	11.3	11.2	10.8	10.5	10.1	8.6
Fresh Fruit	"	98.0	102.3	111.6	118.9	125.7	133.2
Citrus	"	27.8	25.0	23.9	22.7	24.9	26.8
Noncitrus	"	70.2	77.4	87.7	96.3	100.8	106.4
Vegetables, Fresh	"	146.9	145.4	152.7	167.3	175.4	185.6
Potatoes	"	52.3	48.5	48.1	48.9	49.5	47.9
Vegetables, Processed	"	190.7	191.5	195.8	209.1	228.3	230.4
Potatoes	"	35.8	40.0	42.6	47.1	55.5	59.0
Dry Edible Beans, Peas, & Lentils	"	7.0	6.3	6.8	6.9	8.2	8.5
Flour and Cereal Products	"	137.4	142.9	152.7	177.4	192.4	200.1
Wheat Flour	"	113.4	116.0	120.8	132.8	143.4	149.7
Corn Products 8/	"	10.3	12.7	16.2	21.8	22.5	23.1
Oat Products 9/	"	4.5	3.9	3.9	6.0	6.5	6.5
Barley Products 10/	"	0.9	1.0	1.0	0.8	0.7	0.7
Refined cane and beet sugar 11/	"	96.3	87.6	66.7	63.1	65.2	66.5

Note: Totals may not add due to rounding.

1/ Boneless, trimmed equivalent.

2/ Excludes game meat and edible offals.

3/ Milk equivalent, milkfat basis. Items shown separately are product-weight or liquid measure basis.

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

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

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

7/ Includes mellorine until 1990, and nonstandardized frozen dairy products not listed separately.

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

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

10/ Barley flour, pearl barley, malt and malt extract.

11/ Dry weight.

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

EXPORTS

Minnesota ranked 7th in farm exports for fiscal year 1998. The value of the state's exports came to \$2.28 billion versus \$2.56 billion in 1997. This is a decrease of \$275.0 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, 1998

Commodity	Value
	<u>Million Dollars</u>
Feed Grains & Products	556.9
Soybeans & Products	857.0
Wheat & Products	60.0
Live Animals & Meat (Excludes Poultry)	231.1
Vegetables & Preparations	169.5
Feeds & Fodders	105.5
Dairy Products	76.2
Hides & Skins	50.7
Poultry & Products	61.5
Sunflower Seed & Oil	10.0
Fats, Oils, Greases	25.5
Seeds	24.3
Other 1/	55.2
TOTAL	2,283.3

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, 1998

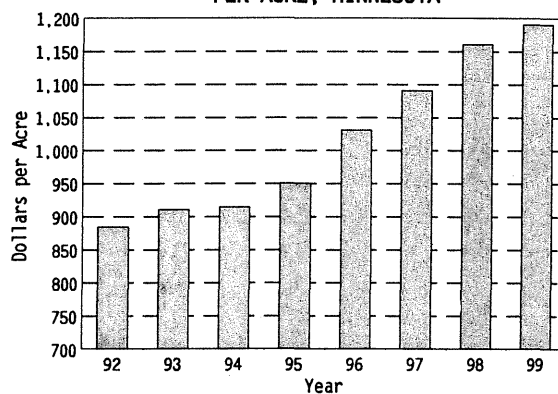
Rank	State	Value
		<u>Million Dollars</u>
First	CA	7,653.9
Second	IA	3,504.6
Third	IL	3,099.1
Fourth	TX	3,057.8
Fifth	NE	2,894.3
Sixth	KS	2,857.2
Seventh	MN	2,283.3
Eighth	WA	1,699.6
Ninth	AR	1,633.6
Tenth	IN	1,618.0

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

AVERAGE PER ACRE VALUE OF FARMLAND AND BUILDINGS, MINNESOTA AND SELECTED STATES, JANUARY 1, 1996-1999 1/

State	1996	1997	1998	1999	Change
	<u>Dollars Per Acre</u>				<u>Percent</u>
MN	1,030	1,090	1,160	1,190	2.6
IA	1,450	1,600	1,700	1,700	0.0
ND	383	390	401	400	-0.2
SD	310	325	348	355	2.0
WI	1,130	1,170	1,240	1,280	3.2
48 States	887	926	974	992	1.8

VALUE OF LAND & BUILDINGS PER ACRE, MINNESOTA



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

LAND VALUES

Despite dramatic drops in livestock and crop prices, average Minnesota farmland prices continue to move upward. Each year, the Minnesota Department of Revenue compiles every farmland sale in the state into a single data set that includes sale price, parcel size, number of tillable acres, terms of sale, and other pertinent items.

Most of the 1998 sales were for parcels 160 acres or less in size. This reflects a modern Midwest farmland sales market where hardly anyone buys whole farms anymore. Most transactions are for pieces of farms, and purchasers are not new farmers, but neighbors rounding out existing operations.

Statewide sales in 1998 totaled 1,746, an increase of 6.9 percent from the 1997 sales. The average acreage per sale in 1998 was 127 acres, compared with 126 acres in 1997, and 119 acres in 1996. Average sale price per acre was \$1,011 in 1998, an increase of \$72 per acre from 1997, and up \$99 per acre from the 1996 average.

FARMLAND SALES: NUMBER, ACRES, AND PRICE, MINNESOTA, 1996-98

Sales Year	Number of Sales	Acres Sold	Price Per-Acre	
			Mean (Acreage Weighted)	Median
	<u>Number</u>	<u>Acres</u>	<u>Dollars</u>	
1996	1,579	187,276	912	901
1997	1,634	205,886	939	916
1998	1,746	221,127	1,011	995

The Central District of the State recorded the most sales in 1998 with 365, and the East Central District had the fewest sales with 140. Average acreage per sale was the largest in the Northwest District at 163 acres, and the smallest average was 93 acres in the East Central District. Average sale price ranged from \$1,839 per acre in the South Central District to \$471 per acre in the Northwest.

FARMLAND SALES: NUMBER, ACRES, AND PRICE, BY DISTRICT, MINNESOTA, 1998

Reporting District	Number of Sales	Acres Sold	Price Per-Acre	
			Mean (Acreage Weighted)	Median
	<u>Number</u>	<u>Acres</u>	<u>Dollars</u>	
Northwest	216	35,267	471	385
West Central	345	46,404	859	800
Central	365	42,587	1,029	991
East Central	140	13,071	750	593
Southwest	237	32,740	1,216	1,305
South Central	200	20,881	1,839	1,843
Southeast	185	23,068	1,367	1,304

Source: "MINNESOTA AGRICULTURAL ECONOMIST".
 STEVEN J. TAFF, DEPARTMENT OF APPLIED ECONOMICS, UNIVERSITY OF MINNESOTA.
 INTERNET WEB SITE (www.aecon.agri.umn.edu/faculty/sjtaff/).

CORN: PRODUCTION CASH COSTS AND RETURNS, NORTH CENTRAL REGION, 1990-97 1/

Item	1990	1991	1992	1993	1994	1995	1996	1997
<u>Dollars per Planted Acre</u>								
Gross value of production: (excluding direct Government payments)								
Corn - gross value of production	265.05	247.82	272.90	219.38	293.83	318.44	370.85	341.26
Cash expenses:								
Seed	20.70	21.42	21.96	22.38	22.19	23.80	27.38	29.60
Fertilizer, lime, and gypsum	46.60	45.26	43.55	43.47	46.28	54.82	49.57	48.86
Chemicals	24.88	22.94	23.91	24.63	25.52	26.59	28.66	28.07
Custom operations 2/	6.05	8.80	9.18	8.27	9.55	8.97	11.17	11.14
Fuel, lube, and electricity	21.39	12.58	12.65	11.05	12.48	11.26	22.14	22.34
Repairs	7.61	12.15	13.87	12.74	15.31	14.91	16.97	17.38
Hired labor	7.64	5.99	6.29	6.05	6.07	6.47	2.22	2.43
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	134.87	129.14	131.41	128.59	137.40	146.82	158.11	159.82
General farm overhead	13.37	9.65	9.84	8.32	12.48	11.55	10.66	10.08
Taxes and insurance	16.86	18.21	18.47	18.22	20.41	19.63	24.46	23.56
Interest	19.20	15.49	13.65	10.90	14.60	15.26	18.97	15.43
Total, fixed cash expenses	49.43	43.35	41.96	37.44	47.49	46.44	54.09	49.07
Total, cash expenses	184.30	172.49	173.37	166.03	184.89	193.26	212.20	208.89
Gross value of production less cash expenses	80.75	75.33	99.53	53.35	108.94	125.18	158.65	132.37
Harvest-period price (dollars/bu.)	2.16	2.29	2.01	2.26	2.02	2.74	2.78	2.50
Yield (bu./planted acre)	122.71	108.22	135.77	97.07	145.46	116.22	132.12	134.95

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.

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

INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/corn3.htm)

SOYBEANS: PRODUCTION CASH COSTS AND RETURNS, NORTH CENTRAL REGION, 1990-97 1/

Item	1990	1991	1992	1993	1994	1995	1996	1997
<u>Dollars per Planted Acre</u>								
Gross value of production:								
Soybeans - gross value of production	220.65	199.10	206.19	203.47	234.75	236.69	265.55	297.83
Cash expenses:								
Seed	13.52	13.89	13.30	13.40	14.65	14.37	16.11	20.12
Fertilizer, lime, and gypsum	8.39	8.64	8.43	7.96	8.52	9.19	9.72	8.03
Chemicals	21.51	23.57	24.59	25.18	25.63	25.99	26.16	28.33
Custom operations 2/	3.97	4.04	4.03	3.88	4.12	4.04	4.04	6.29
Fuel, lube, and electricity	7.82	8.20	7.27	7.26	6.86	6.68	8.22	5.50
Repairs	8.00	8.19	8.73	8.88	9.72	10.01	9.24	9.68
Hired labor	4.06	4.48	4.67	4.46	4.51	4.63	5.02	0.91
Other variable cash expenses 3/	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.00
Total, variable cash expenses	67.30	71.03	71.04	71.04	74.03	74.94	78.54	78.86
General farm overhead	9.22	10.23	9.72	10.81	12.17	12.69	12.59	10.46
Taxes and insurance	19.02	20.32	20.26	20.51	21.78	21.43	22.66	22.78
Interest	15.60	17.84	14.65	14.29	15.06	17.01	17.79	16.05
Total, fixed cash expenses	43.84	48.39	44.63	45.61	49.01	51.13	53.04	49.29
Total, cash expenses	111.14	119.42	115.67	116.65	123.04	126.07	131.58	128.15
Gross value of production less cash expenses ex	109.51	79.68	90.52	86.82	111.71	110.62	133.97	169.68
Harvest-period price (dollars/bu.)	5.87	5.50	5.24	6.09	5.34	6.25	6.91	6.51
Yield (bu./planted acre)	37.59	36.20	39.35	33.41	43.96	37.87	38.43	45.75

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.

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

INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/soybean3.htm)

WHEAT: PRODUCTION CASH COSTS AND RETURNS, NORTHERN PLAINS REGION, 1990-97 1/

Item	1990	1991	1992	1993	1994	1995	1996	1997
	Dollars per Planted Acre							
Gross value of production: (excluding direct Government payments)								
Wheat	83.46	74.67	117.81	102.82	92.18	120.59	143.56	93.61
Wheat straw	0.84	0.53	0.61	0.64	0.60	0.51	0.60	0.74
Total, gross value of production	84.30	75.20	118.42	103.46	92.78	121.10	144.16	94.35
Cash expenses:								
Seed	7.24	4.91	6.40	6.45	7.83	7.44	8.93	7.64
Fertilizer, lime, and gypsum	9.16	9.95	9.74	9.38	12.25	15.34	15.63	14.85
Chemicals	6.88	7.31	7.76	8.08	7.61	7.98	8.27	8.33
Custom operations	2.78	2.63	2.68	2.68	2.54	2.59	2.72	2.64
Fuel, lube, and electricity	8.15	7.90	7.66	7.81	5.82	5.99	7.12	6.74
Repairs	6.83	6.91	7.08	7.41	12.07	12.51	14.09	12.77
Hired labor	3.51	3.77	3.96	3.85	2.16	2.30	2.39	2.52
Other variable cash expenses 2/	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03
Total, variable cash expenses	44.56	43.39	45.29	45.67	50.31	54.18	59.18	55.52
General farm overhead	6.57	5.10	4.93	6.01	4.18	5.45	4.54	5.35
Taxes and insurance	9.98	8.15	7.73	10.22	7.83	8.83	8.67	9.61
Interest	10.91	10.42	8.84	8.98	7.61	10.68	9.39	9.47
Total, fixed cash expenses	27.46	23.67	21.50	25.21	19.62	24.96	22.60	24.43
Total, cash expenses	72.02	67.06	66.79	70.88	69.93	79.14	81.78	79.95
Gross value of production less cash expenses	12.28	8.14	51.63	32.58	22.85	41.96	62.38	14.40
Harvest-period price (dollars/bu.)	2.55	2.47	3.30	3.39	3.31	4.31	4.86	3.81
Yield (bu./planted acre)	32.73	30.23	35.70	30.33	27.85	27.98	29.54	24.57

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

2/ Cost of purchased irrigation water and baling.

Note: Survey base changed in 1994.

Source: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.
INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/wheat3.htm)

BARLEY: PRODUCTION CASH COSTS AND RETURNS, NORTHERN PLAINS REGION, 1990-97 1/

Item	1990	1991	1992	1993	1994	1995	1996	1997
	Dollars per Planted Acre							
Gross value of production: (excluding direct Government payments)								
Barley	90.05	88.66	111.15	77.38	89.47	109.22	139.00	91.83
Barley straw	1.55	1.20	2.00	2.18	1.94	1.87	1.89	2.67
Total, gross value of production	91.61	89.86	113.15	79.56	91.41	111.09	140.89	94.50
Cash expenses:								
Seed	6.37	5.24	5.43	5.16	5.22	5.72	7.63	6.77
Fertilizer, lime, and gypsum	12.69	13.73	12.61	12.27	13.47	16.77	17.11	16.68
Chemicals	6.04	6.56	6.22	6.75	7.29	7.69	7.86	7.97
Custom operations	2.18	2.28	2.96	2.81	3.09	3.46	3.41	3.39
Fuel, lube, and electricity	5.97	6.39	7.92	7.75	7.22	7.42	8.85	8.59
Repairs	6.76	7.07	11.53	11.50	12.69	13.04	15.21	13.87
Hired labor	5.02	5.34	3.94	3.67	3.55	3.80	3.98	4.40
Other variable cash expenses 2/	1.13	1.14	0.88	0.77	0.81	0.86	0.98	1.04
Total, variable cash expenses	46.16	47.75	51.49	50.68	53.34	58.76	65.03	62.71
General farm overhead	6.10	5.57	5.05	5.04	6.11	7.27	7.28	7.58
Taxes and insurance	6.71	6.85	9.45	9.37	10.90	11.87	12.86	12.13
Interest	9.74	9.34	10.06	8.66	9.96	13.01	13.70	12.20
Total, fixed cash expenses	22.55	21.76	24.56	23.07	26.97	32.15	33.84	31.91
Total, cash expenses	68.71	69.51	76.05	73.75	80.31	90.91	98.87	94.62
Gross value of production less cash expenses	22.90	20.35	37.10	5.81	11.10	20.18	42.02	-0.12
Harvest-period price (dollars/bu.)	1.93	1.89	1.97	1.79	1.93	2.47	2.82	2.11
Yield (bu./planted acre)	46.66	46.91	56.42	43.23	46.36	44.22	49.29	43.52

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

2/ Cost of purchased irrigation water and baling.

Note: Survey base changed in 1992.

Source: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.
INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/barley3.htm)

OATS: PRODUCTION CASH COSTS AND RETURNS, NORTH CENTRAL REGION, 1990-97 1/

Item	1990	1991	1992	1993	1994	1995	1996	1997
<u>Dollars per Planted Acre</u>								
Gross value of production: (excluding direct Government payments)								
Oats	73.16	58.94	84.53	66.72	68.92	71.40	119.06	104.46
Oats straw	17.46	21.72	25.28	28.30	44.21	37.98	44.21	49.88
Total, gross value of production	90.62	80.66	109.81	95.02	113.13	109.38	163.27	154.34
Cash expenses:								
Seed	9.30	8.28	9.61	9.48	9.29	8.91	9.67	10.10
Fertilizer, lime, and gypsum	14.17	13.82	13.57	12.46	16.71	20.61	20.12	20.09
Chemicals	0.97	0.84	0.88	0.86	1.15	1.19	1.26	1.27
Custom operations 2/	9.21	7.41	7.43	5.96	6.08	5.69	5.75	5.71
Fuel, lube, and electricity	8.02	8.62	7.22	6.69	6.64	4.08	4.19	4.33
Repairs	6.22	6.44	6.50	6.01	9.61	8.03	6.50	7.63
Hired labor	5.83	6.09	6.41	6.07	1.64	1.58	1.73	1.81
Other variable cash expenses 3/	0.00	0.00	0.00	0.00	1.63	1.40	1.63	1.84
Total, variable cash expenses	53.72	51.50	51.62	47.53	52.75	51.49	50.85	52.78
General farm overhead	3.71	3.24	4.41	4.74	4.58	4.83	4.52	5.31
Taxes and insurance	16.97	15.14	21.71	22.67	17.33	19.00	20.15	20.15
Interest	4.17	3.83	4.43	4.18	5.44	6.22	6.14	6.17
Total, fixed cash expenses	24.85	22.21	30.55	31.59	27.35	30.05	30.81	31.63
Total, cash expenses	78.57	73.71	82.17	79.12	80.10	81.54	81.66	84.41
Gross value of production less cash expenses	12.05	6.95	27.64	15.90	33.03	27.84	81.61	69.93
Harvest-period price (dollars/bu.)	1.10	1.21	1.28	1.41	1.23	1.28	2.02	1.62
Yield (bu./planted acre)	66.51	48.71	66.04	47.32	56.03	55.78	58.94	64.48

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

2/ Cost of custom operations and technical services.

3/ Cost of baling.

Note: Survey base changed in 1994.

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

INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/oats3.htm)

SUGARBEETS: PRODUCTION CASH COSTS AND RETURNS, RED RIVER VALLEY, 1990-97 1/

Item	1990	1991	1992	1993	1994	1995	1996	1997
<u>Dollars per Planted Acre</u>								
Gross value of production: Beets - gross value of production	702.72	694.80	849.13	591.61	852.36	685.85	851.03	848.69
Cash expenses:								
Seed	24.36	24.85	36.63	37.53	39.89	41.15	42.91	44.81
Fertilizer	32.38	33.28	30.29	28.68	32.78	39.90	41.68	39.86
Chemicals	62.06	66.52	66.14	66.30	66.79	68.13	71.12	71.13
Custom operations	21.11	21.87	21.13	19.88	24.78	24.12	23.93	24.16
Fuel and lubrication	25.55	25.59	18.65	18.20	18.46	17.85	21.87	20.73
Repairs	31.18	32.02	29.23	24.48	29.87	28.93	29.37	31.53
Hired labor	74.88	78.64	70.05	68.50	66.12	69.33	77.02	83.06
Purchased irrigation water	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.05
Freight and dirt hauling charges	8.24	9.98	9.87	8.92	9.93	9.55	11.93	11.81
Miscellaneous 2/	3.95	4.06	13.52	14.00	13.85	14.47	16.54	16.79
Hauling allowance (-)	12.76	14.06	-9.43	-8.33	-9.50	-9.14	-11.39	-11.36
Total, variable cash expenses	296.47	310.87	286.12	278.20	293.01	304.33	325.02	332.57
General farm overhead	38.58	38.14	25.33	30.64	30.16	30.43	20.75	24.43
Taxes and insurance	27.73	28.07	35.21	39.40	35.88	39.36	33.23	33.64
Interest	60.22	59.54	43.50	45.18	41.90	45.83	32.88	33.20
Total, fixed cash expenses	126.53	125.75	104.04	115.22	107.94	115.62	86.86	91.27
Total, cash expenses	423.00	436.62	390.16	393.42	400.95	419.95	411.88	423.84
Gross value of production less cash expenses	279.72	258.18	458.97	198.19	451.41	265.90	439.15	424.85
Season-average price (dollars/ton)	48.80	40.00	47.20	40.97	41.66	38.38	46.76	46.76
Yield (net tons/planted acre)	14.40	17.37	17.99	14.44	20.46	17.87	18.20	18.15

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.

INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/beets3.htm)

HOG PRODUCTION: FARROW-TO-FINISH, FARROW-TO-FEEDER, FEEDER PIG-TO-FINISH, CASH COSTS AND RETURNS, NORTH REGION, 1997 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	47.25	49.05	1.30	65.81
Feeder pigs	6.78	0.57	94.41	0.07
Cull stock	3.33	3.29	7.61	0.02
Breeding stock	3.09	0.22	0.20	0.02
Inventory change	1.85	2.00	1.21	2.24
Other income 3/	1.41	1.46	1.48	1.30
Total, gross value of production	63.71	56.59	106.21	69.46
Cash expenses:				
Feed--				
Grain	12.79	12.87	16.85	11.62
Protein sources	12.91	13.54	14.71	8.50
Complete mixes	5.72	4.24	12.85	7.87
Other feed items 4/	0.80	0.73	1.03	0.55
Total feed costs	32.22	31.38	45.44	28.54
Other--				
Feeder pigs	4.57	0.23	0.08	27.02
Veterinary and medicine	1.38	1.16	4.90	0.84
Bedding and litter	0.09	0.06	0.24	0.14
Marketing	0.50	0.41	2.17	0.40
Custom services and supplies	0.40	0.35	0.91	0.32
Fuel, lube, and electricity	1.79	1.67	5.22	0.85
Repairs	1.50	1.47	3.22	1.07
Hired labor	3.04	2.66	7.15	1.22
Total, variable cash expenses	45.49	39.39	69.33	60.40
General farm overhead	2.23	1.94	3.77	1.97
Taxes and insurance	1.16	1.05	2.15	1.12
Interest	3.22	2.90	5.30	3.53
Total, fixed cash expenses	6.61	5.89	11.22	6.62
Total, cash expenses	52.10	45.28	80.55	67.02
Gross value of production less cash expenses	11.61	11.31	25.66	2.44

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/ Value of manure production.

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

Source: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.
INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/hogs3.htm)



COW-CALF: PRODUCTION CASH COSTS AND RETURNS, NORTH-CENTRAL REGION, 1996-97 1/

Item	1996	1997
	<u>Dollars per Bred Cow</u>	
Gross value of production:		
Steer calves	96.74	140.01
Heifer calves	64.14	92.26
Yearling steers	33.33	41.34
Yearling heifers	10.60	13.51
Other cattle	49.46	57.95
Total, gross value of production	254.27	345.07
Cash expenses:		
Feeder cattle	49.94	58.09
Feed--		
Concentrates and other feed	29.97	32.53
Supplemental feed	41.09	39.06
Harvested forages	290.53	294.25
Cropland pasture	3.32	3.49
Private pasture	63.41	64.30
Public land	0.76	0.75
Total feed costs	429.08	434.38
Other--		
Veterinary and medicine	34.86	35.31
Bedding and litter	1.00	1.01
Marketing	4.08	4.04
Custom operations	34.94	35.06
Fuel, lube, and electricity	18.68	18.30
Machinery and building repairs	27.18	27.20
Hired labor	14.41	16.11
Total, variable cash expenses	614.17	629.50
General farm overhead	20.57	24.25
Taxes and insurance	23.88	23.81
Interest	24.01	24.30
Total, fixed cash expenses	68.46	72.36
Total, cash expenses	682.63	701.86
Gross value of production less cash expenses	-428.36	-356.79

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

Note: The 1996 and 1997 estimates were based on the 1996 Agricultural Resource Management Study which utilized a revised methodology therefore, the data is not directly comparable with results for previous years.

Source: ECONOMIC RESEARCH SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.
INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/cowcalf3.htm)



MILK: PRODUCTION CASH COSTS AND RETURNS, UPPER MIDWEST REGION, 1989-97 1/

Item	1989	1990	1991	1992	1993	1994	1995	1996	1997
	Dollars per Cwt								
Gross value of production:									
Milk	13.35	13.50	12.04	13.11	12.89	13.04	12.83	14.74	13.32
Cattle	1.61	1.73	1.63	1.56	1.24	1.15	1.00	0.89	0.97
Other income 2/	0.15	0.18	0.17	0.19	0.60	0.64	0.76	0.77	0.75
Total, gross value of production	15.11	15.41	13.84	14.86	14.73	14.83	14.59	16.40	15.04
Cash expenses:									
Feed--									
Concentrates	3.12	3.13	3.14	2.85	3.68	3.77	3.53	4.19	4.19
By-products	0.08	0.08	0.08	0.08	0.11	0.11	0.11	0.11	0.11
Liquid whey 3/	---	---	---	---	0.14	0.14	0.15	0.16	0.17
Hay	1.30	1.20	0.96	1.07	1.31	1.15	0.98	1.04	1.36
Silage	1.20	1.05	0.99	1.05	1.90	1.66	1.41	1.51	1.98
Pasture and other forage	0.04	0.03	0.04	0.04	0.11	0.10	0.13	0.16	0.12
Total feed costs	5.74	5.49	5.21	5.09	7.25	6.93	6.31	7.17	7.93
Other--									
Hauling and marketing	0.47	0.49	0.50	0.50	0.52	0.56	0.52	0.50	0.56
Artificial insemination	0.14	0.13	0.13	0.15	0.16	0.17	0.16	0.15	0.17
Veterinary and medicine	0.24	0.24	0.22	0.25	0.45	0.48	0.44	0.43	0.47
Fuel, lube, and electricity	0.23	0.25	0.25	0.23	0.59	0.57	0.57	0.62	0.61
Machinery and building repairs	0.56	0.55	0.54	0.56	0.96	1.02	1.04	1.01	1.09
Hired labor	0.42	0.46	0.46	0.49	0.65	0.65	0.58	0.56	0.53
DHIA fees	0.05	0.05	0.05	0.05	0.07	0.08	0.07	0.07	0.08
Dairy assessment	0.00	0.01	0.05	0.13	0.14	0.17	0.16	0.03	0.00
Other variable cash expenses 4/	0.24	0.25	0.24	0.24	0.63	0.68	0.66	0.65	0.71
Total, variable cash expenses	8.09	7.92	7.65	7.69	11.42	11.31	10.51	11.19	12.15
General farm overhead	0.54	0.66	0.60	0.57	0.59	0.64	0.67	0.65	0.73
Taxes and insurance	0.45	0.43	0.45	0.46	0.34	0.38	0.38	0.43	0.42
Interest	0.92	0.99	0.93	0.79	0.99	1.01	1.14	1.16	1.13
Total, fixed cash expenses	1.91	2.08	1.98	1.82	1.92	2.03	2.19	2.24	2.28
Total, cash expenses	10.00	10.00	9.63	9.51	13.34	13.34	12.70	13.43	14.43
Gross value of production less cash expenses	5.11	5.41	4.21	5.35	1.39	1.49	1.89	2.97	0.61

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

2/ 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.

3/ Not available prior to 1993.

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

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

INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/car/milk3.htm)



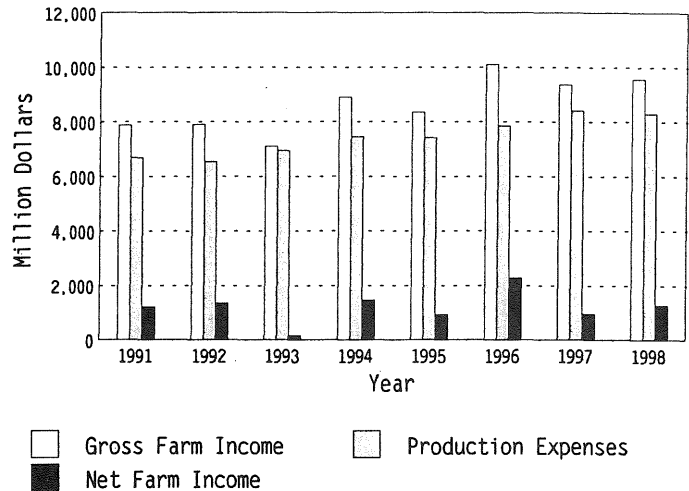
FARM INCOME

Net farm income received by Minnesota farmers in 1998 is up 32% from 1997.

Total net farm income for 1998 was \$1,260.4 million, compared to \$953.8 million in 1997. Total farm production expenses in 1998 was \$8,293.2 million, compared to \$8,394.6 million in 1997.

The "average" Minnesota farm had gross farm income of \$119,420 in 1998. However, expenses totaled \$103,665, leaving the typical farm with \$15,754 of net farm income in 1998, compared with \$11,776 in 1997 and \$27,590 in 1996.

MINNESOTA FARM INCOME AND PRODUCTION EXPENSES



FARM INCOME AND EXPENSES: MINNESOTA, 1993-98

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
<u>Million Dollars</u>								
1993	6,429.8	823.3	356.3	264.8	-783.3	7,091.0	6,929.4	161.5
1994	6,460.1	622.3	378.3	277.8	1,146.5	8,884.9	7,437.5	1,447.4
1995	7,211.6	467.6	399.2	312.1	-61.4	8,329.1	7,409.8	919.3
1996	8,809.6	349.3	416.3	347.3	178.1	10,100.6	7,838.2	2,262.4
1997	7,997.8	417.0	438.2	483.5	11.9	9,348.5	8,394.6	953.8
1998 4/	7,679.9	762.4	457.5	414.8	238.9	9,553.6	8,293.2	1,260.4

1/ Includes value of home consumption and housing.

2/ Includes income from custom work, machine hire, forest products, and other farm income.

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

4/ Preliminary data.

Note: Figures may not add due to rounding.

AVERAGE PER FARM INCOME: MINNESOTA, 1993-1998 1/

Year	Number of Farms	Gross Farm Income	Farm Production Expenses	Net Farm Income
<u>1,000</u>		<u>Dollars</u>		
1993	86.0	82,453	80,575	1,878
1994	84.5	105,147	88,018	17,129
1995	83.0	100,351	89,275	11,076
1996	82.0	123,178	95,588	27,590
1997	81.0	115,413	103,637	11,776
1998	80.0	119,420	103,665	15,754

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

Note: Figures may not add due to rounding.

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

FARM CASH RECEIPTS: BY COUNTY AND DISTRICT, MINNESOTA, 1996-97

County and District	1996				1997			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	<u>1,000 Dollars</u>							
Becker	36,832	61,425	3,937	102,194	27,865	57,199	4,018	89,082
Clay	130,938	33,048	8,332	172,318	110,595	31,315	8,396	150,306
Clearwater	6,443	22,819	849	30,111	4,885	22,310	675	27,870
Kittson	62,591	7,435	10,291	80,317	52,008	7,567	9,811	69,386
Mahnomen	21,729	9,369	2,204	33,302	15,208	8,758	2,279	26,245
Marshall	108,543	9,979	17,192	135,714	99,948	9,778	16,748	126,474
Norman	93,149	8,541	9,322	111,012	74,066	7,821	9,369	91,256
Pennington	19,201	7,629	5,902	32,732	15,675	7,486	5,720	28,881
Polk	237,980	21,737	18,589	278,306	196,317	20,133	17,570	234,020
Red Lake	16,935	11,043	4,187	32,165	13,144	10,461	4,118	27,723
Roseau	36,546	24,928	9,904	71,378	34,919	23,813	9,397	68,129
<u>Northwest</u>	770,887	217,953	90,709	1,079,549	644,630	206,641	88,101	939,372
Beltrami	5,666	14,614	1,186	21,466	4,445	14,470	896	19,811
Cass	2,970	20,033	575	23,578	1,785	20,238	505	22,528
Hubbard	14,555	5,669	522	20,746	13,515	5,718	492	19,725
Itasca	2,206	4,932	112	7,250	1,378	5,044	52	6,474
Koochiching	1,862	2,526	224	4,612	1,274	2,563	140	3,977
Lake of the Woods	6,851	1,812	919	9,582	5,305	1,846	860	8,011
<u>North Central</u>	34,110	49,586	3,538	87,234	27,702	49,879	2,945	80,526
Lake	47	42	15	104	50	46	2	98
St. Louis	3,981	10,927	132	15,040	4,336	10,199	91	14,626
<u>Northeast</u>	4,028	10,969	147	15,144	4,386	10,245	93	14,724
Big Stone	44,953	18,068	3,888	66,909	35,756	16,968	3,672	56,396
Chippewa	108,298	19,612	4,474	132,384	90,973	18,727	5,143	114,843
Douglas	18,432	46,868	3,369	68,669	15,555	44,126	3,549	63,230
Grant	58,998	18,805	4,634	82,437	47,332	18,581	4,896	70,809
Lac Qui Parle	81,067	32,560	6,993	120,620	66,713	32,200	7,320	106,233
Otter Tail	68,069	148,125	8,737	224,931	57,044	138,259	9,768	205,071
Pope	37,207	39,877	4,460	81,544	34,095	37,900	5,078	77,073
Stevens	62,885	52,258	5,967	121,110	53,685	52,418	5,884	111,987
Swift	94,159	33,870	5,808	133,837	76,109	32,574	6,865	115,548
Traverse	76,617	11,000	4,343	91,960	63,610	9,932	4,414	77,956
Wilkin	100,251	5,502	5,347	111,100	80,553	5,007	5,297	90,857
Yellow Medicine	96,727	54,281	6,773	157,781	75,261	54,167	8,036	137,464
<u>West Central</u>	847,663	480,826	64,793	1,393,282	696,686	460,859	69,922	1,227,467
Benton	16,569	80,713	1,579	98,861	15,535	75,625	2,225	93,385
Carver	27,641	58,102	1,917	87,660	21,240	54,440	2,567	78,247
Kandiyohi	78,940	168,071	6,375	253,386	64,211	157,894	7,611	229,716
McLeod	50,561	48,403	2,997	101,961	40,624	44,701	3,960	89,285
Meeker	53,944	73,895	4,277	132,116	44,916	68,766	5,653	119,335
Morrison	16,451	134,128	2,764	153,343	16,088	124,423	3,390	143,901
Renville	211,380	84,247	7,273	302,900	175,209	87,623	9,371	272,203
Scott	22,219	35,360	1,565	59,144	19,327	32,574	1,758	53,659
Sherburne	29,608	21,688	887	52,183	29,251	20,528	1,215	50,994
Sibley	78,910	94,485	3,677	177,072	60,786	90,065	5,346	156,197
Stearns	46,057	290,248	7,306	343,611	39,168	271,320	9,886	320,374
Todd	16,967	104,208	2,977	124,152	15,143	96,548	3,715	115,406
Wadena	10,129	39,494	812	50,435	9,820	37,029	1,251	48,100
Wright	39,660	62,213	2,532	104,405	33,535	58,440	3,487	95,462
<u>Central</u>	699,036	1,295,255	46,938	2,041,229	584,853	1,219,976	61,435	1,866,264

See Footnotes at end of table.

FARM CASH RECEIPTS: BY COUNTY AND DISTRICT, MINNESOTA, 1996-97 (continued)

County and District	1996				1997			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	1,000 Dollars							
Aitkin	5,888	14,629	266	20,783	4,658	14,112	247	19,017
Anoka	12,983	11,035	334	24,352	13,466	9,931	427	23,824
Carlton	1,166	9,874	100	11,140	1,250	9,159	83	10,492
Chisago	15,054	15,280	869	31,203	14,773	13,904	1,219	29,896
Crow Wing	2,923	14,751	354	18,028	2,827	14,041	365	17,233
Hennepin	27,134	16,254	633	44,021	26,896	14,714	739	42,349
Isanti	16,950	11,173	1,191	29,314	16,947	10,127	1,480	28,554
Kanabec	2,793	19,059	497	22,349	3,873	17,488	544	21,905
Mille Lacs	4,776	30,235	711	35,722	4,485	28,289	972	33,746
Pine	7,036	42,316	771	50,123	7,995	38,907	778	47,680
Ramsey	4,695	288	--	4,983	5,041	304	--	5,345
Washington	41,908	10,686	804	53,398	43,316	9,672	1,044	54,032
East Central	143,306	195,580	6,530	345,416	145,527	180,648	7,898	334,073
Cottonwood	95,383	94,048	5,496	194,927	73,542	94,151	7,366	175,059
Jackson	115,595	77,856	5,312	198,763	83,049	78,430	7,810	169,289
Lincoln	30,305	38,684	6,529	75,518	22,082	38,323	6,700	67,105
Lyon	81,413	82,658	5,441	169,512	55,440	83,605	7,239	146,284
Murray	80,087	64,478	5,001	149,566	59,909	64,105	7,100	131,114
Nobles	90,109	93,439	4,598	188,146	64,811	91,047	7,404	163,262
Pipestone	41,485	56,493	3,348	101,326	30,077	56,850	4,495	91,422
Redwood	127,199	94,337	6,766	228,302	94,422	96,950	9,003	200,375
Rock	54,415	75,382	3,486	133,283	41,020	75,721	5,188	121,929
Southwest	715,991	677,375	45,977	1,439,343	524,352	679,182	62,305	1,265,839
Blue Earth	102,972	84,439	5,574	192,985	79,296	99,171	7,850	186,317
Brown	80,189	96,928	4,196	181,313	61,431	106,596	5,779	173,806
Faribault	123,289	50,082	5,104	178,475	99,529	57,393	8,663	165,585
Freeborn	104,003	60,579	6,406	170,988	88,835	63,682	9,406	161,923
Le Sueur	48,580	45,806	4,857	99,243	40,602	47,219	5,424	93,245
Martin	120,389	126,514	4,899	251,802	96,434	149,234	9,299	254,967
Nicollet	65,605	93,168	3,086	161,859	51,498	96,038	4,575	152,111
Rice	39,054	83,331	4,597	126,982	34,839	86,673	5,579	127,091
Steele	60,346	47,570	4,565	112,481	51,283	46,886	5,580	103,749
Waseca	65,457	40,678	3,998	110,133	56,521	45,217	5,685	107,423
Watsonwan	71,305	47,279	3,356	121,940	56,363	50,997	5,044	112,404
South Central	881,189	776,374	50,638	1,708,201	716,631	849,106	72,884	1,638,621
Dakota	64,786	42,489	3,051	110,326	64,133	40,301	4,193	108,627
Dodge	56,195	53,802	3,302	113,299	50,929	50,592	4,909	106,430
Fillmore	59,752	107,485	7,778	175,015	55,393	105,041	9,036	169,470
Goodhue	68,070	106,756	5,050	179,876	60,529	101,604	6,112	168,245
Houston	21,189	79,577	3,172	103,938	17,537	79,917	3,722	101,176
Mower	103,914	62,137	5,092	171,143	89,670	62,176	8,473	160,319
Olmsted	51,405	83,190	5,781	140,376	47,212	78,398	6,714	132,324
Wabasha	30,084	69,305	3,552	102,941	24,394	64,974	4,277	93,645
Winona	28,323	96,227	3,224	127,774	22,461	88,791	4,030	115,282
Southeast	483,718	700,968	40,002	1,224,688	432,258	671,794	51,466	1,155,518
Minnesota	4,579,928	4,404,886	349,272	9,334,086	3,777,025	4,328,330	417,049	8,522,404

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.

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

CASH RECEIPTS FROM FARM MARKETINGS: MINNESOTA, 1995-97 1/

Commodity	1995		1996		1997	
	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	1,304,536	18.3	1,729,550	19.7	✓ 1,324,948	16.2
Oats	9,828	0.1	10,379	0.1	✓ 7,910	0.1
Barley	53,078	0.7	64,278	0.7	✓ 50,881	0.6
Hay	72,494	1.0	60,966	0.7	✓ 68,036	0.8
Food Grains						
Wheat	278,963	3.9	422,933	4.8	✓ 316,569	3.9
Rye	1,289	*	1,012	*	✓ 1,306	*
Oil Crops						
Soybeans	1,271,404	17.8	1,550,163	17.6	✓ 1,511,212	18.5
Sunflowers	68,340	1.0	28,243	0.3	✓ 21,250	0.3
Vegetable Crops						
Potatoes	85,353	1.2	106,596	1.2	✓ 99,396	1.2
Sweet Corn (processed)	48,357	0.7	56,113	0.6	✓ 59,428	0.7
Green Peas (processed)	32,818	0.5	38,817	0.4	✓ 40,513	0.5
Other Crops						
Sugarbeets	282,492	4.0	375,434	4.3	✓ 388,622	4.8
Dry Beans	32,918	0.5	56,746	0.6	✓ 42,018	0.5
Apples	7,559	0.1	8,611	0.1	✓ 7,783	0.1
Floriculture	54,578	0.8	54,322	0.6	✓ 61,576	0.8
Other Crops, Fruits, Vegetables 3/	89,970	1.3	89,628	1.0	✓ 99,330	1.2
Total Crops	3,693,977	51.7	4,653,791	52.9	4,100,778	50.3
LIVESTOCK AND PRODUCTS:						
Meat Animals						
Cattle & Calves	835,231	11.7	903,488	10.3	972,970	11.9
Hogs	865,073	12.1	1,115,650	12.7	1,169,019	14.3
Sheep & Lambs	15,096	0.2	16,065	0.2	15,257	0.2
Dairy Products	1,181,688	16.5	1,362,180	15.5	1,200,290	14.7
Poultry & Eggs						
Turkeys	299,093	4.2	426,735	4.8	400,062	4.9
Broilers	83,616	1.2	94,425	1.1	90,300	1.1
Chicken Eggs	98,335	1.4	150,491	1.7	137,747	1.7
Other Livestock Products						
Honey	9,471	0.1	10,395	0.1	7,833	0.1
Miscellaneous Livestock & Products 4/	60,640	0.8	67,076	0.8	60,750	0.7
Total Livestock	3,448,243	48.3	4,146,505	47.1	4,054,228	49.7
TOTAL ALL CROPS AND LIVESTOCK 5/	7,142,220	100.0	8,800,296	100.0	8,155,006	100.0

1/ 1995 and 1996 are revised; 1997 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.

5/ Totals do not agree with those on page 15 due to unavailability of updated data for this page.

* 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.

INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/fi/ficrdmu.htm#states_m)

FARM BALANCE SHEET: MINNESOTA, 1993-97

Item	1993	1994	1995	1996	1997
Million Dollars					
Total Farm Assets:	35,508.2	35,951.9	37,912.3	39,974.8	41,444.4
Real Estate	23,609.8	23,898.4	25,018.4	26,658.9	28,196.9
Livestock and Poultry 1/	2,362.2	2,178.5	2,118.0	2,223.8	2,151.3
Machinery and Motor Vehicles 2/	5,210.9	5,203.7	5,366.5	5,418.5	5,380.7
Crops 3/	1,545.1	1,641.1	2,357.8	2,515.3	2,452.8
Purchased Inputs	335.3	443.6	291.3	355.2	416.4
Financial	2,445.0	2,586.5	2,760.4	2,803.0	2,846.3
Total Farm Debt 4/:	6,900.6	7,306.2	7,690.7	8,010.8	8,664.5
Real Estate	3,620.5	3,751.9	3,874.4	3,963.7	4,266.6
By Lender:					
Farm Credit System	1,195.5	1,189.3	1,183.9	1,199.7	1,373.8
Farm Service Agency	202.1	190.0	185.6	177.5	173.2
Commercial Banks	951.5	1,050.6	1,145.0	1,162.0	1,260.1
Life Insurance Companies	207.9	209.0	215.0	249.8	255.0
Individuals and others	1,063.5	1,113.0	1,144.9	1,174.7	1,204.5
Nonreal Estate	3,280.0	3,554.3	3,816.3	4,047.1	4,397.9
By Lender:					
Farm Credit System	485.0	623.6	756.7	933.9	1,050.2
Farm Service Agency	222.0	236.1	208.7	204.8	190.8
Commercial Banks	1,958.7	2,037.9	2,151.8	2,154.3	2,343.5
Individuals and others	614.3	656.7	699.1	754.1	813.5
Total Farm Equity	28,607.6	28,645.7	30,221.6	31,964.0	32,779.9
Percent					
Debt/Equity Ratio	24.1	25.5	25.4	25.1	26.4
Debt/Assets Ratio	19.4	20.3	20.3	20.0	20.9

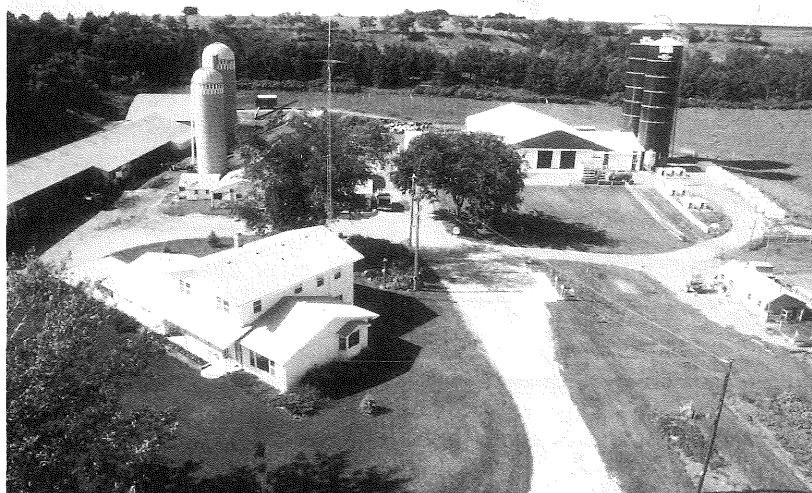
1/ Excludes horses, mules, and broilers.

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.
INTERNET WEB SITE (www.econ.ag.gov/briefing/fbe/fbs/fbsdata.htm)



1998 CLIMATE SUMMARY

1998 will go down as the 3rd warmest year since 1891. The warmest year was 1931. The winter of 1997-1998 was one of the warmest on record. "Meteorological winter" is often defined by climatologists as the months of December, January, and February. Minnesota experienced unusually mild temperatures in each of these months. The statewide average temperature for December 1997 was 23.6 degrees F, which is 10.8 degrees above normal. January's average temperature was a mild 14.0, above normal by 7.1 degrees. The month of February was extraordinarily warm, averaging 28.0 degrees, exceeding the normal by 14.9 degrees. The temperature for the 1997-1998 meteorological winter (December - February) averaged 21.9 statewide, which places it second only to 1877-1878, the warmest Minnesota winter of the post-settlement era.

As the result of the warm temperatures and light snowfall, many areas of Minnesota reported little or no snow cover by late February. Historically, late February is the point of the winter season when the maximum snow depth is reached.

1998 was also a stormy year with 57 tornadoes, the largest number recorded in one year. A series of strong tornadoes hit south central Minnesota on March 29. A 1.25 mile-wide damage path was carved through the city of St. Peter in Nicollet County. Other towns devastated that day included Comfrey and Hanska in Brown County.

May was an especially active month for severe weather, with strong straight line winds, tornadoes, hail and heavy rainfall.

Fears of a widespread drought tapered off after a series of heavy rainstorms moved over southern Minnesota late in June. Very heavy rains fell across a large portion of southeastern Minnesota during the week ending June 28. Multi-day totals exceeding eight inches were reported in Scott, Rice and Goodhue Counties.

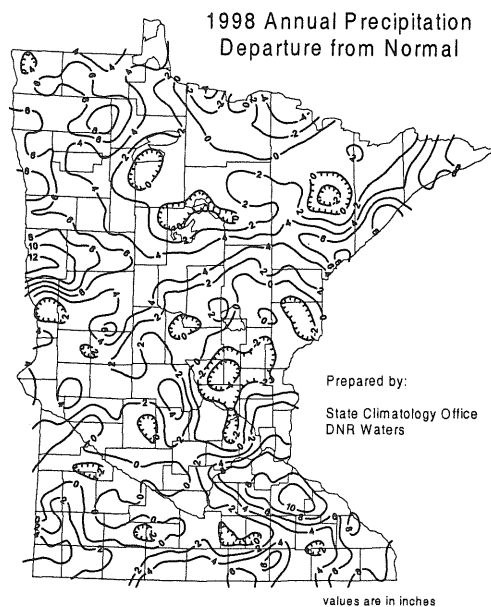
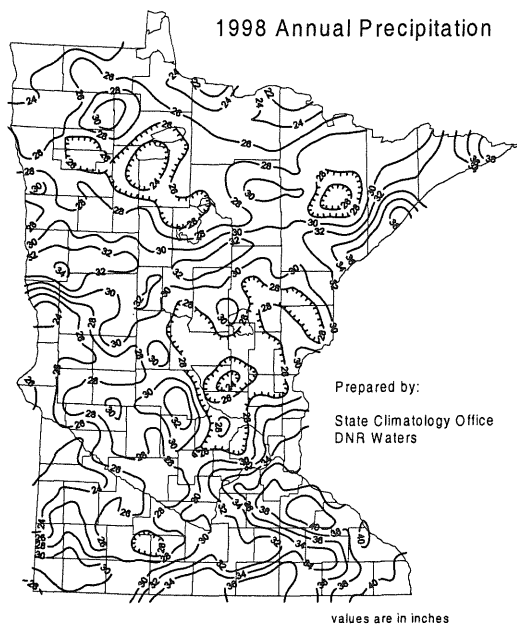
Very heavy rains also fell across much of Minnesota during the afternoon and evening of July 14. The heaviest of the rains fell in Otter Tail County in west central Minnesota and Cass County in north central Minnesota. More than five inches of rain fell in portions of these counties.

Summer continued right into autumn with warmer than normal temperatures. September 1998 was the 4th warmest since 1895 taken as an aggregate average from all reporting locations in Minnesota. The warm conditions continued right into December. The statewide average temperature was 2.6 degrees above normal in October and 3.6 degrees above normal in November. In the first week of December, Minnesota was about 19.3 Degrees above normal. The warm autumn was a continuation of warm temperatures experienced throughout much of 1998. An interesting artifact of this warmth was the number of days without below zero temperatures in many southern Minnesota communities.

Despite a rather tranquil autumn, there was one winter storm that stood out. On November 10, a "Land Hurricane" swept across the state. Winds gusted in the 50 mph to 60 mph over parts of central and southern Minnesota. The all-time lowest barometric pressure record was broken. The 28.43 reading at Austin and Albert Lea broke the old record of 28.55 that was set in Duluth on January 11, 1975. Some heavy snow fell with this storm across west central Minnesota, with Canby in Yellow Medicine County receiving 13.5 inches of snow. 1998 ended with a return to normal winter-like temperatures in late December to remind everyone that this is still Minnesota after all.

Overall, it was a moist year across Minnesota. The northeast and southwest sections of the state were, very dry during the growing season. However, autumn rains made up for the deficiency. By the end of the year parts of southeast Minnesota and northwest Minnesota had as much as 10 inches above the normal annual precipitation. There were only a few isolated areas of the state that had slightly less than a normal precipitation year.

Source: STATE CLIMATOLOGY OFFICE, DNR - DIVISION OF WATERS



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

County and District		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, 1998

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Precipitation (Inches)												
Northwest												
Argyle	.83	.99	.12	.38	2.76	7.52	1.33	3.77	.33	4.62	1.91	M.23
Crookston	M.71	1.13	.11	.93	6.04	5.76	2.12	1.36	.47	5.32	1.65	M1.07
Mahnomen	1.46	1.04	.69	1.14	5.75	9.30	2.08	.85	2.52	4.28	1.48	M.00
Moorhead	.81	1.70	.98	.61	7.18	6.96	2.76	1.64	2.45	4.79	1.76	.31
District	.84	1.02	.45	.88	5.05	6.25	3.12	2.04	1.45	5.04	1.62	.44
Normal	.71	.48	.96	1.63	2.52	3.71	3.17	2.96	2.55	1.72	.82	.69
North Central												
Grand Rapids	.97	.88	1.68	.47	4.29	6.60	1.82	1.24	2.51	4.32	2.24	1.21
Int'l Falls	.64	1.04	.30	.73	4.81	4.33	2.18	1.95	.28	4.20	1.70	.37
Park Rapids	.39	.60	.54	.53	3.14	5.58	3.75	1.62	3.21	4.98	.86	.50
District	.62	.81	.90	1.08	4.56	4.84	3.10	2.02	1.60	4.02	1.71	.75
Normal	.78	.52	1.15	1.92	2.83	4.00	3.74	3.51	3.02	2.28	1.12	.83
Northeast												
Duluth	.36	2.72	1.84	1.42	2.21	6.13	1.72	2.59	3.33	4.21	3.42	1.57
Grand Marais	M.70	.87	1.03	.25	2.05	2.77	2.00	1.17	2.14	7.62	3.06	.81
Hibbing	.45	1.58	1.40	.52	2.43	6.38	2.93	1.31	3.34	5.03	1.53	1.36
District	.71	1.88	1.43	1.21	2.90	4.37	2.44	2.40	3.61	5.37	2.63	1.31
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	.70	1.89	1.68	2.77	1.46	1.58	2.16	1.66	.52	4.76	2.02	.42
Fergus Falls	1.13	.68	M1.16	.48	3.87	5.75	2.50	.96	.50	5.25	M.82	.48
Montevideo	M.00	M.90	M.79	2.42	3.06	2.77	2.97	3.28	.60	3.46	M1.29	M.36
Morris	1.03	1.18	1.13	1.81	3.13	5.74	4.19	3.59	.36	5.14	1.27	.23
District	.90	1.18	1.27	1.58	3.44	4.18	3.13	2.50	.80	5.04	1.59	.33
Normal	.73	.67	1.39	2.22	2.84	3.81	3.31	3.01	2.46	1.99	1.05	.65
Central												
Hutchinson	M1.11	M.76	M3.52	.90	4.53	5.08	2.93	3.49	.65	2.19	.67	M.13
Olivia	.70	.60	2.34	1.63	M3.83	6.48	4.02	2.04	.66	M	1.51	.56
St. Cloud	.79	.74	2.77	1.14	3.65	4.23	3.31	3.18	1.25	1.89	1.53	.86
Willmar	M1.08	.80	1.38	1.67	3.21	6.63	4.24	2.72	1.09	3.76	1.44	M.54
District	1.13	.76	2.39	1.73	4.44	5.82	3.62	3.28	1.51	3.40	1.47	.53
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	1.23	.56	1.43	2.56	2.52	7.80	3.49	2.53	1.99	3.17	1.71	1.35
Cambridge	1.18	.67	3.34	1.10	3.35	3.10	2.28	5.06	1.06	2.32	1.78	M.61
MSP-Airport	1.64	.80	4.56	1.56	4.40	6.52	2.63	5.99	1.32	2.19	1.32	.46
District	1.31	.99	2.70	1.89	3.91	5.64	2.75	4.20	1.61	2.83	1.84	.78
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	.61	.61	3.33	1.75	1.40	2.95	5.40	2.94	1.18	3.52	.00	.35
Luverne	M1.44	M.93	2.48	2.55	.83	5.00	4.35	3.81	.16	6.30	3.65	.39
Pipestone	M1.31	.66	3.24	2.21	1.99	3.26	2.37	3.28	1.38	6.29	2.15	.14
Redwood Falls	.77	.84	3.12	1.04	2.67	3.99	3.91	1.73	1.05	4.25	.72	.26
Windom	M.96	M.83	M3.14	1.71	3.56	4.47	3.28	3.24	.83	3.74	1.62	M.30
District	.60	.96	3.06	2.01	1.66	4.16	3.84	4.08	.89	4.58	1.82	.33
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	M1.03	M.54	2.14	3.16	4.23	4.21	4.58	5.74	1.07	7.96	1.08	.23
Faribault	1.56	.81	3.30	3.17	4.64	8.08	4.26	4.91	1.72	3.94	1.25	.31
Mankato	1.41	.55	2.49	3.43	4.11	4.92	2.50	4.03	1.76	3.98	1.38	.21
Waseca	2.27	1.34	3.95	3.27	4.21	4.38	3.79	2.93	1.87	5.13	1.27	.84
District	1.29	.63	2.90	2.67	3.48	5.38	3.68	4.04	1.62	4.89	1.13	.31
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	M2.00	M.67	M3.19	3.16	2.53	6.22	1.88	7.40	1.82	4.30	M1.11	M.00
Caledonia	M	M2.22	M.75	1.69	3.99	8.01	3.85	6.61	.96	5.58	.90	M.00
Rochester	1.47	1.44	3.27	2.20	3.38	5.51	3.30	4.46	1.04	4.71	1.15	.28
Winona	1.67	2.60	M2.73	1.96	4.61	7.66	2.56	9.97	.63	3.02	1.08	.15
District	1.57	1.73	3.15	2.51	4.30	7.92	3.46	7.31	1.37	3.56	1.29	.22
Normal	.96	.86	1.96	2.91	3.72	4.03	4.19	3.98	3.77	2.49	1.75	1.23

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:										
1998	Apr 21	Apr 26	Apr 29	May 03	May 08	Sep 23	Oct 02	Oct 13	Oct 23	Nov 01
1997	Apr 28	Apr 30	May 03	May 10	May 17	Oct 07	Oct 13	Oct 18	Oct 25	Nov 02
1994-98	Apr 25	Apr 30	May 06	May 16	May 25	Oct 01	Oct 12	Oct 22	Oct 31	Nov 08
Soybeans:										
1998	May 01	May 05	May 10	May 16	May 23	Sep 18	Sep 24	Sep 30	Oct 08	Oct 18
1997	May 07	May 13	May 17	May 23	May 31	Sep 26	Sep 30	Oct 03	Oct 07	Oct 12
1994-98	May 07	May 13	May 20	May 28	Jun 06	Sep 24	Oct 01	Oct 09	Oct 16	Oct 24
Spring Wheat:										
1998	Apr 21	Apr 25	Apr 30	May 05	May 09	Jul 30	Aug 06	Aug 12	Aug 16	Aug 23
1997	May 04	May 12	May 20	May 28	Jun 01	Aug 08	Aug 19	Aug 27	Sep 01	Sep 07
1994-98	Apr 24	May 02	May 14	May 25	Jun 01	Aug 02	Aug 10	Aug 20	Sep 03	Sep 09
Oats:										
1998	Apr 16	Apr 21	Apr 25	May 01	May 07	Jul 21	Jul 26	Aug 01	Aug 11	Aug 16
1997	Apr 23	Apr 27	May 02	May 09	May 26	Aug 04	Aug 07	Aug 17	Aug 27	Aug 31
1994-98	Apr 20	Apr 25	May 02	May 10	May 21	Jul 26	Aug 01	Aug 10	Aug 20	Aug 28
Barley:										
1998	Apr 21	Apr 25	Apr 30	May 06	May 10	Jul 28	Aug 02	Aug 08	Aug 14	Aug 19
1997	May 05	May 13	May 21	May 27	May 31	Aug 11	Aug 17	Aug 25	Aug 30	Sep 07
1994-98	Apr 25	May 05	May 16	May 27	Jun 02	Aug 01	Aug 10	Aug 18	Aug 29	Sep 07
Potatoes:										
1998	Apr 19	Apr 27	May 03	May 15	May 29	Aug 29	Sep 12	Sep 29	Oct 04	Oct 14
1997	Apr 27	May 03	May 25	Jun 06	Jun 12	Sep 03	Sep 14	Sep 26	Oct 05	Oct 13
1994-98	Apr 26	May 05	May 16	Jun 01	Jun 11	Sep 02	Sep 14	Sep 29	Oct 09	Oct 17
Sunflowers:										
1998	May 04	May 10	May 17	May 31	Jun 09	Sep 29	Oct 07	Oct 25	Nov 05	Nov 12
1997	May 22	May 27	Jun 01	Jun 05	Jun 08	Oct 06	Oct 14	Oct 20	Oct 26	Nov 01
1994-98	May 12	May 20	May 29	Jun 04	Jun 12	Sep 27	Oct 05	Oct 16	Oct 26	Nov 05
Alfalfa Hay: 1/										
1998						May 22	May 26	May 31	Jun 08	Jun 16
1997						Jun 06	Jun 10	Jun 15	Jun 21	Jun 29
1994-98						May 29	Jun 05	Jun 13	Jun 20	Jun 27
Winter Wheat:										
1998	Aug 23	Aug 30	Sep 05	Sep 16	Sep 21	Jul 21	Jul 28	Jul 31	Aug 06	Aug 11
1997	Aug 27	Sep 02	Sep 06	Sep 13	Sep 24	Jul 30	Aug 04	Aug 08	Aug 13	Aug 17
1994-98	Aug 27	Sep 02	Sep 08	Sep 17	Sep 25	Jul 24	Jul 30	Aug 07	Aug 14	Aug 22
Rye:										
1998	Aug 22	Aug 29	Sep 05	Sep 15	Sep 20	Jul 20	Jul 22	Jul 27	Aug 02	Aug 08
1997	Aug 24	Aug 31	Sep 08	Sep 16	Sep 28	Jul 26	Aug 02	Aug 09	Aug 14	Aug 19
1994-98	Aug 26	Sep 01	Sep 09	Sep 20	Sep 28	Jul 18	Jul 24	Aug 02	Aug 11	Aug 18
Sugarbeets:										
1998	Apr 20	Apr 22	Apr 26	Apr 30	May 02	Sep 26	Oct 01	Oct 08	Oct 17	Oct 23
1997	Apr 29	May 03	May 07	May 11	May 23	Oct 04	Oct 10	Oct 16	Oct 21	Oct 25
1994-98	Apr 24	Apr 30	May 08	May 18	May 26	Sep 27	Oct 05	Oct 12	Oct 19	Oct 25

1/ First Cutting.

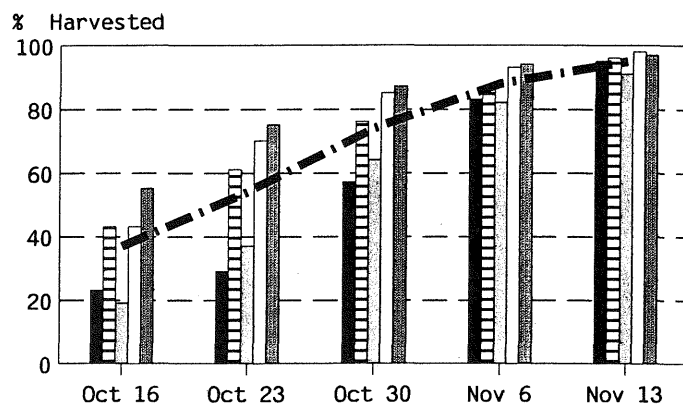
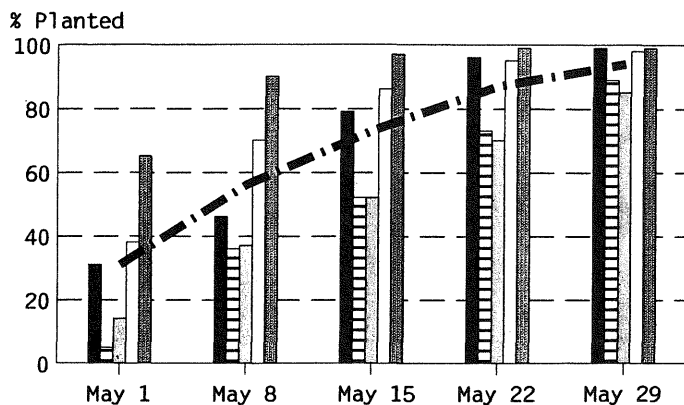
PLANTING & HARVESTING PROGRESS OF MINNESOTA'S MAJOR CROPS 1994-1998

PLANTING PROGRESS

HARVESTING PROGRESS

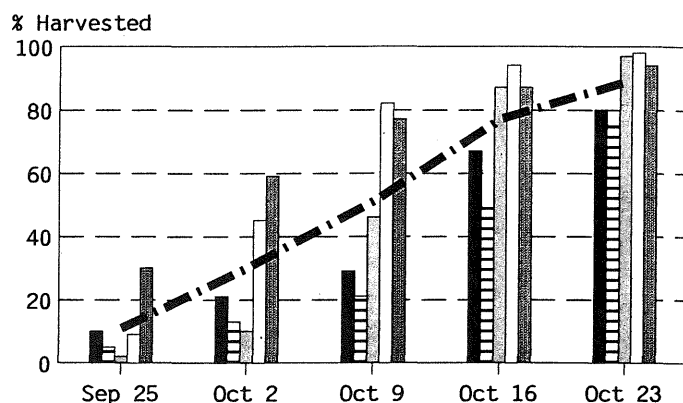
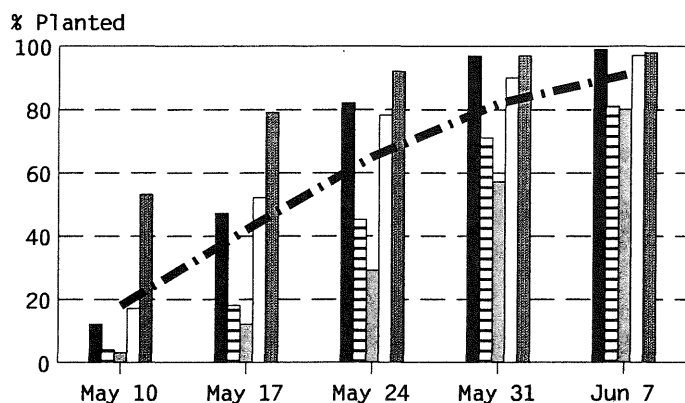
CORN

CORN



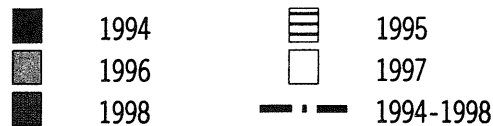
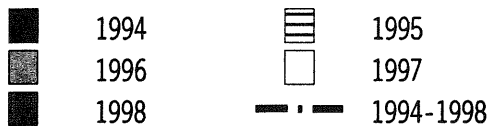
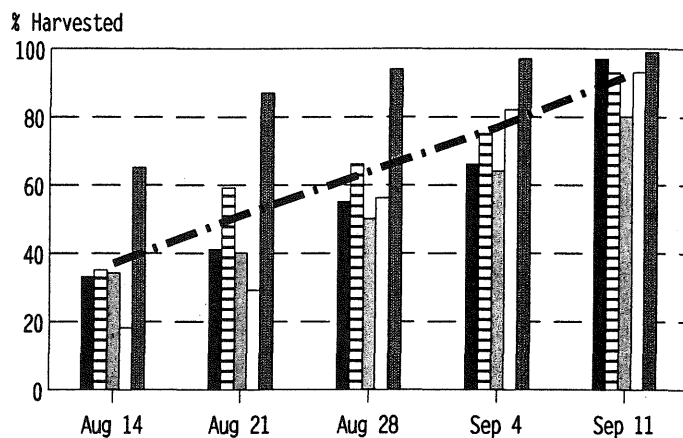
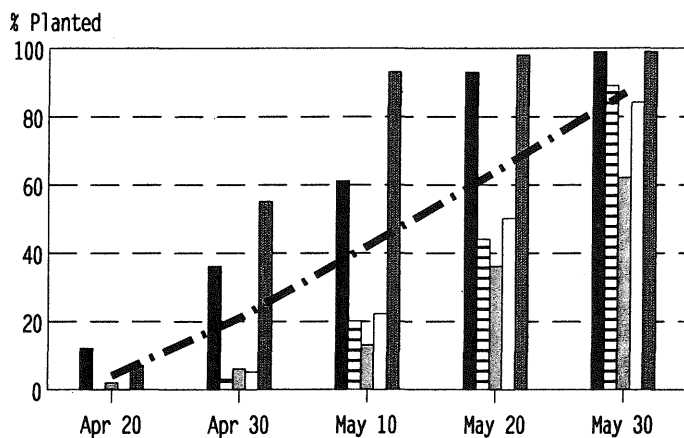
SOYBEANS

SOYBEANS



SPRING WHEAT

SPRING WHEAT



Section 2

Crops



1998 CROP SUMMARY

CORN AND SOYBEAN CROP RECORD HIGHS

The mild winter of 97-98 throughout the state was appreciated by most as the harsh winter of the year before was still on many Minnesotans' minds. The lack of snow, quite different from the year before, worried many alfalfa growers concerned about winter-kill. The late part of March brought many tornadoes and much destruction to the southern part of the state as many farmers were forced to clear their fields of debris in early April. Planting progress for the state was ahead of the 5-year average due to favorable planting conditions during the month of April. Alfalfa growers' earlier suspicions of winterkill proved to be false as much of the crop survived the dormancy period well.

The early part of May saw unseasonably high temperatures and drier weather. The favorable climate led to the greatest percentage of corn planted in early May compared with records dating back to 1956. Minnesota had a very rare 100-degree temperature recorded in Redwood Falls on Monday, May 18th. Planting and emergence records were being broken for most crops during the month of May as crop progress was about two weeks ahead of normal throughout the state. Most of the state was provided with adequate amounts of moisture except for the southwest corner of the state and the east central counties, which started showing signs of dryness.

The first two weeks of June were cooler than normal, with the central part of the state experiencing some frost damage. Crop progress was still above normal with alfalfa cutting completed on an estimated 74% of the acreage, well ahead of the 5-year average of 18%. The last two weeks of June gave above normal rainfall over most of the state, except for the southwest corner which remained dry. The extra rainfall hurt alfalfa that couldn't get put up in time. It also hurt the small grains by causing lodging problems in the south and disease problems in the Red River Valley. June ended with crop progress slipping a little over the month, but still ahead of normal.

The old saying, "knee high by the 4th of July," definitely didn't apply to the 1998 growing season with an estimated 3% of the acreage tasseled by the first week of July. Many areas of Minnesota had good weather for growing crops during the month of July. The northwest had too much rain and reports of scab came in from the area. The end of July saw a good start to the small grain harvest, along with damaging wind and hail to corn and soybean crops through Brown and Nicollet Counties.

Drier conditions prevailed over much of the state during the early part of August. Pastures in the middle part of the state were very short of

moisture. Rainfall at the end of August helped row crops that remained two weeks ahead of average. Many crops were ahead of schedule, with the harvest of small grains coming to a close, the early start of potato and dry bean harvest, and the start of winter wheat and rye seeding in late August. A fourth cutting of alfalfa was possible in certain areas.

By mid September, after many weeks of warm, dry weather, corn was getting too dry for silage. Row crop harvest was far ahead of schedule during the month of September. The warm weather slowed the harvesting of potatoes.

Harvest slowed a little during the early part of October, but many producers were able to keep their equipment going. Producers enjoyed excellent field-drying conditions as corn moisture content averaged about 18-19%, much lower than the 5-year average of 25-28%. The end of October brought the near completion of the sugarbeet harvest, with 95% completed.

In November, large corn piles could be seen in many parts of the state. Subsoil moisture conditions for the end of the season were slightly better than 1997.

The following is a rundown on the production of Minnesota's major crops for 1998:

Minnesota's record CORN production at 1.03 billion bushels was up 13% from the previous record set in 1994. Yield at a record 153.0 bushels per acre was up 11 bushels from the previous record set in 1994.

SOYBEAN production was a record 285.6 million bushels, up 12% from the previous record set in 1997. Yield was a record 42.0 bushels per acre, up 1.5 bushels from the previous record set in 1995.

SPRING WHEAT production totaled 78.7 million bushels, up 5% from 1997. Yield at 41 bushels per acre was up 9 bushels from 1997.

BARLEY production of 22.8 million bushels was down 3% from 1997. Yield at 55 bushels was up 4 bushels from 1997.

The SUGARBEET crop was a record production of 9.71 million tons, up 15% from the previous record set in 1994. Yield was a record 21.2 tons per acre, up 0.6 tons from the previous record set in 1994.

CANOLA production totaled 304.5 million pounds, more than double the 1997 level. Canola growers planted 220,000 acres in 1998 and harvested 210,000 acres. State-level canola data are being published under a cooperative agreement with the Minnesota Department of Agriculture.

CROPS: RECORD HIGHS, MINNESOTA AND UNITED STATES

Crop	Plantings		Yield Per Acre		Production	
	<u>1,000 Acres</u>	<u>Year</u>	<u>Unit</u>	<u>Year</u>	<u>1,000 Units</u>	<u>Year</u>
Corn						
Minnesota	7,700	1981	153.0 Bu.	1998	1,032,750 Bu.	1998
United States	113,024	1932	138.6 Bu.	1994	10,050,520 Bu.	1994
Soybeans						
Minnesota	6,900	1998	42.0 Bu.	1998	285,600 Bu.	1998
United States	72,375	1998	41.4 Bu.	1994	2,756,794 Bu.	1998
All Wheat						
Minnesota	1/ 6,375	1899	53.1 Bu.	1985	142,426 Bu.	1985
United States	88,251	1981	43.2 Bu.	1998	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	2.58 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	350 Cwt.	1996	499,254 Cwt.	1996
Dry Beans						
Minnesota	190	1995, 1998	1,710 Lbs.	1994	2,558 Cwt.	1997
United States	2,599	1943	1,914 Lbs.	1998	33,765 Cwt.	1991
Sugarbeets						
Minnesota	473	1998	21.2 Tons	1998	9,710 Tons	1998
United States	1,647	1969	22.5 Tons	1998	32,660 Tons	1998
All Sunflowers						
Minnesota	1,400	1979	1,781 Lbs.	1991	1,870,620 Lbs.	1979
United States	5,555	1979	1,509 Lbs.	1998	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.

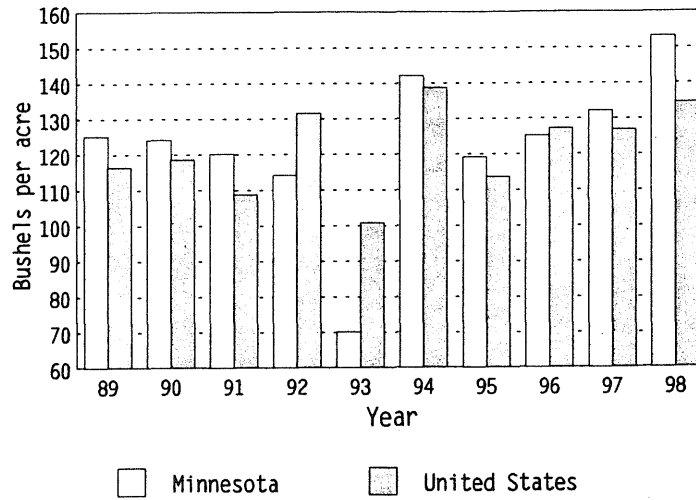
3/ Harvested acres.

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
	<u>1,000 Bushels</u>		<u>Dollars per Bushel</u>	
Corn	820,000 December 1, 1986	259,100 December 1, 1987	\$3.95 August 1996	\$1.29 October 1986
Soybeans	160,000 December 1, 1998	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

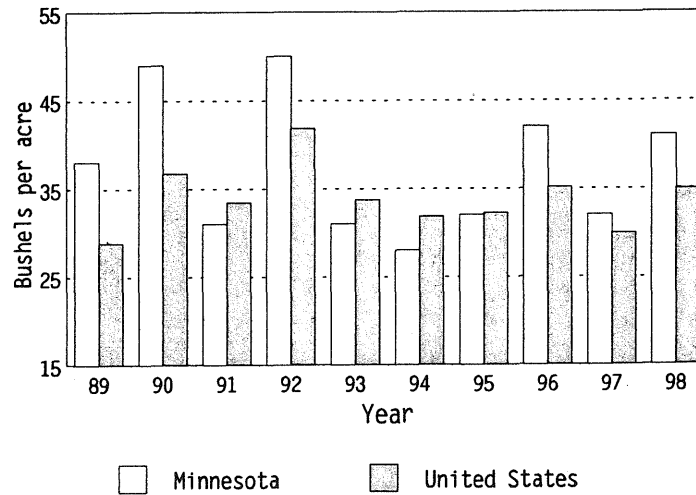
CORN YIELDS

Minnesota & United States



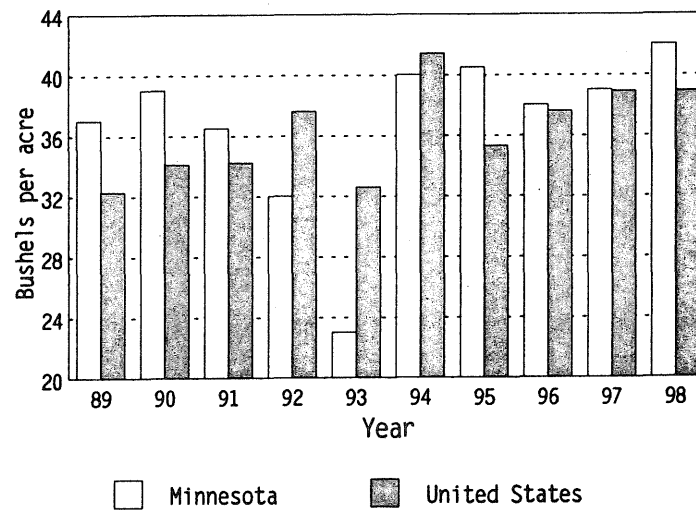
SPRING WHEAT YIELDS

Minnesota & United States



SOYBEAN YIELDS

Minnesota & United States



CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1994-98

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>
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	2.47	2,145,813
1997	7,000	6,450	132.0	851,400	2.15	1,830,510
1998	7,300	6,750	153.0	1,032,750	1.75	1,807,313
Corn for Silage						
	<u>1,000 Acres</u>		<u>Tons</u>	<u>1,000 Tons</u>		
1994	-----	450	13.0	5,850	-----	-----
1995	-----	450	12.0	5,400	-----	-----
1996	-----	475	13.0	6,175	-----	-----
1997	-----	450	15.0	6,750	-----	-----
1998	-----	475	16.0	7,600	-----	-----
Soybeans						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
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	6,000	5,900	38.0	224,200	7.26	1,627,692
1997	6,600	6,550	39.0	255,450	6.20	1,583,790
1998	6,900	6,800	42.0	285,600	5.10	1,456,560
Oats						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
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	1.84	27,821
1997	400	300	58.0	17,400	1.46	25,404
1998	350	310	63.0	19,530	0.95	18,554
Barley						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
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	2.38	79,206
1997	500	460	51.0	23,460	1.88	44,105
1998	440	415	55.0	22,825	1.60	36,520
Rye						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
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
1997	20	16	25.0	400	3.10	1,240
1998	30	27	31.0	837	1.75	1,465

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."

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CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1994-98 (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>
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	2,542	41.9	106,582	4.25	453,024
1997	2,520	2,415	32.0	77,300	3.52	272,592
1998	2,015	1,982	40.6	80,444	3.20	256,172
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>
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	2,500	42.0	105,000	4.25	446,250
1997	2,450	2,350	32.0	75,200	3.53	265,456
1998	1,950	1,920	41.0	78,720	3.20	251,904
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>
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	4.34	1,866
1997	5	5	36.0	180	5.30	954
1998	5	5	37.0	185	3.10	574
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>
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	4.26	4,908
1997	65	60	32.0	1,920	3.22	6,182
1998	60	57	27.0	1,539	2.40	3,694
Flaxseed						
	<u>1,000 Acres</u>		<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols. Per Bu.</u>	<u>1,000 Dols.</u>
1994	10	9	14.0	126	4.92	620
1995	10	9	19.0	171	5.10	872
1996	4	4	15.0	60	6.40	384
1997	6	6	16.0	96	5.85	562
1998	30	27	16.0	432	4.70	2,030
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>
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	47.10	375,434
1997	453	446	18.5	8,251	38.70	319,314
1998	473	458	21.2	9,710	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, 1994-98 (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>
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	13.10	22,781
1997	105	99	1,073	106,200	12.30	12,809
1998	130	125	1,320	164,950	11.30	17,814
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>
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	11.10	13,997
1997	75	72	1,100	79,200	11.40	9,029
1998	90	87	1,350	117,450	9.95	11,686
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>
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
1997	30	27	1,000	27,000	14.00	3,780
1998	40	38	1,250	47,500	12.90	6,128
Canola						
	<u>1,000 Acres</u>		<u>Pounds</u>	<u>1,000 Lbs.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1997	110	105	1,400	147,000	NA	NA
1998	220	210	1,450	304,500	NA	NA
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>
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	81.00	526,646
1997	-----	2,325	2.75	6,398	88.00	570,394
1998	-----	2,400	2.96	7,110	67.50	452,115
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>
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	96.00	439,008
1997	-----	1,475	3.30	4,868	98.00	477,064
1998	-----	1,550	3.60	5,580	68.00	379,440
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>
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	61.50	87,638
1997	-----	850	1.80	1,530	61.00	93,330
1998	-----	850	1.80	1,530	47.50	72,675

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.

NA = Not Available

--continued

CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1994-98 (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>
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	160,000	155,000	1,560	2,418	23.00	55,614
1997	175,000	165,000	1,550	2,558	17.50	44,765
1998	190,000	175,000	1,450	2,538	19.70	49,999
Navy						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1994	45,200	41,100	1,650	678	-----	-----
1995	76,500	61,200	1,380	845	-----	-----
1996	50,000	48,900	1,600	783	-----	-----
1997	58,000	56,000	1,650	926	-----	-----
1998	52,000	47,000	1,610	755	-----	-----
Pinto						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1994	32,000	24,600	1,200	295	-----	-----
1995	46,900	35,000	1,240	433	-----	-----
1996	45,000	44,000	1,300	573	-----	-----
1997	43,000	41,000	1,350	555	-----	-----
1998	55,000	52,000	1,400	726	-----	-----
Light Red Kidney						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1994	9,600	9,400	2,180	205	-----	-----
1995	7,000	6,600	1,520	100	-----	-----
1996	10,000	9,400	1,900	179	-----	-----
1997	10,000	9,500	1,720	163	-----	-----
1998	11,000	10,500	1,570	165	-----	-----
Dark Red Kidney						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1994	35,600	34,600	2,000	692	-----	-----
1995	35,300	27,500	1,450	399	-----	-----
1996	37,000	36,000	1,750	630	-----	-----
1997	36,000	34,000	1,600	543	-----	-----
1998	34,000	32,000	1,410	450	-----	-----
Other Dry Edible Beans						
	<u>Acres</u>		<u>Pounds</u>	<u>1,000 Cwt.</u>		
1994	12,600	11,900	1,760	209	-----	-----
1995	24,300	19,700	1,410	278	-----	-----
1996	18,000	16,700	1,510	253	-----	-----
1997	28,000	24,500	1,510	371	-----	-----
1998	38,000	33,500	1,320	442	-----	-----

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.

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CROPS: ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE, MINNESOTA, 1994-98 (continued)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Price Per Unit 1/	Farm Value Of Production
Sweet Corn for Processing						
	<u>Acres</u>		<u>Tons</u>	<u>Tons</u>	<u>Dols. Per Ton</u>	<u>1,000 Dols.</u>
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
1997	128,600	127,200	6.40	814,080	73.00	59,428
1998	131,900	129,200	6.37	823,000	71.00	58,433
Green Peas for Processing						
	<u>Acres</u>		<u>Tons</u>	<u>Tons</u>	<u>Dols. Per Ton</u>	<u>1,000 Dols.</u>
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
1997	90,000	75,200	1.48	111,300	364.00	40,513
1998	88,000	72,900	1.62	118,100	334.00	39,445
Onions						
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols. 2/</u>
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
1997	650	600	300	180	8.10	1,440
1998	490	470	320	150	8.00	1,200
Carrots for Fresh Market						
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
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
1997	1,100	1,000	400	400	8.60	3,440
1998	600	550	370	204	56.00	11,424
Carrots for Processing						
	<u>Acres</u>		<u>Tons</u>	<u>Tons</u>	<u>Dols. Per Ton</u>	<u>1,000 Dols.</u>
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
1997	1,100	1,000	20.43	20,430	81.00	1,655
1998	1,100	1,000	18.40	18,400	65.00	1,196
Crop Year	Acreage Planted	Acreage Harvested	Utilized Production	Price Per Unit	Farm Value of Utilized Production	
Commercial Apples						
			<u>Mil. Lbs.</u>	<u>Cents Per Lb.</u>	<u>1,000 Dols.</u>	
1994	-----	-----	20.8	33.2	6,902	
1995	-----	-----	18.8	40.3	7,580	
1996	-----	-----	18.8	46.0	8,644	
1997	-----	-----	17.5	44.3	7,757	
1998	-----	-----	18.7	44.4	8,304	

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.

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CROPS: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, MINNESOTA, 1994-98 (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>
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	4.65	114,390
1997	77,000	73,000	280	20,440	5.55	113,442
1998	82,000	73,000	290	21,170	5.20	110,084

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, 1994-99

Marketing Year	Dec 1	Jan 1	Feb 1	Mar 1	Apr 1	May 1
	<u>1,000 Cwt.</u>					
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	11,000	8,500	5,500
1997/98	13,500	12,000	10,500	8,800	6,800	4,500
1998/99	13,500	12,000	10,500	8,900	6,700	4,300

GRAIN STORAGE: CAPACITY BY STORAGE POSITION ON
DECEMBER 1, MINNESOTA, 1992-98

Year	Off Farm 1/		On Farm Capacity	Total Capacity
	Facilities	Capacity		
	<u>Number</u>		<u>1,000 Bushels</u>	
1992	756	499,240	1,350,000	1,849,240
1993	716	489,860	1,325,000	1,814,860
1994	705	484,160	1,300,000	1,784,160
1995	705	488,500	1,250,000	1,738,500
1996	700	482,300	1,200,000	1,682,300
1997	692	482,890	1,200,000	1,682,890
1998	676	479,460	1,180,000	1,659,460

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

OBJECTIVE YIELD: CORN, SOYBEANS, AND SPRING WHEAT, MINNESOTA, 1994-98

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 these tables 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	1994	1995	1996	1997	1998
	<u>Number of Plants</u>				
September	26,100	26,400	26,500	26,300	27,750
November	26,000	26,350	26,600	26,600	27,650

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>
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
1997	167	58.6	17.4	10.2	11.4	1.8	31.4
1998	169	62.0	17.2	10.1	7.7	2.4	31.1

SOYBEANS: PODS WITH BEANS PER 18 SQUARE FEET 1/

Month	1994	1995	1996	1997	1998
	<u>Number of Pods</u>				
September	1,678	1,613	1,543	1,585	1,598
November	1,496	1,501	1,487	1,506	1,450
Final	1,496	1,501	1,487	1,506	1,442

SOYBEANS: PERCENTAGE DISTRIBUTIONS BY ROW WIDTH AND AVERAGE ROW WIDTH

Year	Number of Samples	Row Width (Inches) 2/					Average Row Width 4/
		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>
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
1997	97	27.8	28.9	5.1	36.1	2.1	18.8
1998	105	17.6	21.0	15.7	43.8	1.9	22.0

SPRING WHEAT: HEADS PER SQUARE FOOT 5/

Month	1994	1995	1996	1997	1998
	<u>Number of Heads</u>				
September	44.3	45.6	41.6	47.7	45.8
Final	43.9	45.6	41.6	47.8	45.8

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

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

3/ For 1994-1995 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 - 1998

The 1998 wholesale value of sales by commercial flower and foliage producers in Minnesota is estimated at \$68,501,000 compared with \$65,889,000 in 1997. These values were obtained from the wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. A commercial operation is defined as having \$10,000 or more in annual gross sales of floriculture crops.

The total wholesale value of floriculture crops grown by operations exceeding the \$100,000 sales level reached \$59,861,000 in 1998, a 5% increase over the \$57,099,000 for 1997. Of the total wholesale value, cut flowers totaled \$6,374,000 in 1998, down 10% from the previous year. The wholesale value of potted flowering plants was \$12,366,000, up slightly from \$12,305,000 in 1997. Sales of foliage plants for indoor and patio use totaled \$1,088,000, down 19% from the previous year. Total bedding and garden plant sales were up 10% to \$40,033,000.

FLORICULTURE: FLOWERING, BEDDING, AND FOLIAGE PLANTS, MINNESOTA, 1997-98 1/

Item	Producers		Total Quantity Sold				1999 As A Percent Of 1998
	1997	1998	Units	1997	1998	Intended 1999	
	<u>Number</u>			<u>1,000 Units</u>			<u>Percent</u>
<u>Potted Flowering Plants:</u>							
Chrysanthemums	18	17	Pots	315	266	258	97
Cyclamens	20	19	Pots	170	181	184	102
Finished Florist Azaleas	17	20	Pots	195	196	199	102
Kalanchoes	6	8	Pots	92	82	85	104
Easter Lilies	26	28	Pots	299	343	324	94
Poinsettias	47	49	Pots	1,051	920	927	101
Other Flowering Plants	22	26	Pots	546	536	572	107
<u>Bedding Garden Plants:</u>							
Hardy/Garden Chrysanthemums	60	58	Pots	676	618	620	100
Geraniums (Cuttings)	73	84	Pots	1,853	1,663	1,663	100
Impatiens	32	38	Pots	100	124	129	104
New Guinea Impatiens	69	81	Pots	419	473	479	101
Petunias	30	39	Pots	83	98	108	110
Other Potted Flowering and Foliage							
Type	72	80	Pots	3,288	3,808	4,310	113
Vegetable Type	44	46	Pots	710	920	926	101
Geraniums	27	27	Flats	83	87	87	100
Impatiens	66	79	Flats	238	282	289	102
New Guinea Impatiens	18	16	Flats	21	26	26	100
Petunias	68	81	Flats	234	270	273	101
Other Flowering and Foliage Type	72	85	Flats	966	1,208	1,228	102
Vegetable Type	62	65	Flats	147	154	154	100
<u>Foliage For Indoor Or Patio:</u>							
Geraniums Hanging Baskets	79	82	Baskets	218	295	291	99
Impatiens Hanging Baskets	71	73	Baskets	123	102	94	92
New Guinea Impatiens Hanging Baskets	70	70	Baskets	130	123	123	100
Petunias Hanging Baskets	64	62	Baskets	43	44	47	107
Foliage Hanging Baskets	16	15	Baskets	121	63	59	94
Other Flowering Hanging Baskets	78	79	Baskets	406	472	472	100

1/ Summarized only from producers with \$100,000 or more in annual sales.

FLORICULTURE: CUT FLOWERS AND POTTED FOLIAGE, MINNESOTA, 1997-98 1/

Item	Producers		Area For Production				1999 As A Percent Of 1998
	1997	1998	1997	1998	Intended 1999		
	<u>Number</u>		<u>1,000 Square Feet</u>				<u>Percent</u>
Other Cut Flowers	14	18	1,006	1,340	1,417		106
Potted Foliage	13	13	143	123	123		100

1/ Summarized only from producers with \$100,000 or more in annual sales.

1998 CORN CHEMICAL USAGE

Nitrogen was applied to 98% of the total 1998 corn acreage in the 16 states surveyed. All of the major producing states had at least 88% or more of the acreage treated. Growers used an average of 1.7 applications per acre applying 80 pounds per treatment. In the states surveyed, 83% of the planted corn acreage received phosphates. Potash fertilizer was applied to 67% of the corn acreage.

Herbicides were applied to 95% of the 16 state total corn acreage in 1998, while insecticides were used on 30% of the acreage. Atrazine was the most used herbicide with 69% of the reported acreage being treated. Atrazine was applied at a rate of 0.99 pound per acre on the average. Acetochlor and Metochlor were the next two most widely used herbicides, and they were applied to 25% and 32% of the acreage, respectively. Chlorpyrifos and Terbufos were the most used insecticides, and they were both applied to 6% of the acreage.

CORN: ACREAGE, PERCENT RECEIVING CHEMICALS, NUMBER OF APPLICATIONS, RATES PER APPLICATION, SELECTED STATES, 1998

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Insecticide
		Area Applied	Appli-cations	Rate per Appli-	Area Applied	Appli-cations	Rate per Appli-	Area Applied	Appli-cations	Rate per Appli-	Area Applied	Area Applied
	<u>1,000 Acres</u>	<u>Percent</u>	<u>Number</u>	<u>Pounds</u>	<u>Percent</u>	<u>Number</u>	<u>Pounds</u>	<u>Percent</u>	<u>Number</u>	<u>Pounds</u>	<u>Percent</u>	<u>Percent</u>
IA	12,500	96	1.5	83	81	1.0	59	81	1.0	78	98	18
MN	7,300	96	1.6	78	91	1.0	52	87	1.1	66	97	10
WI	3,700	97	1.8	52	96	1.0	40	96	1.1	49	97	24
SD 2/	3,900	94	1.3	62	78	1.0	38	25	1.0	22	95	--
TOTAL 3/	71,390	98	1.7	80	83	1.1	51	66	1.1	76	96	30

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

2/ Insufficient reports to publish data for insecticides.

3/ Refers to 16 major corn states including: CO, 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, 1998

Active Ingredient	Area Applied 1/	Applications	Rate per Application	Rate per year	Total Applied
	<u>Percent</u>	<u>Number</u>	<u>Pounds</u>	<u>Pounds</u>	<u>1,000 Pounds</u>
HERBICIDES:					
2,4-D	6	1.3	0.38	0.52	229
Acetochlor	28	1.0	1.59	1.59	3,206
Alachlor	2	1.0	3.15	3.15	462
Atrazine	39	1.0	0.59	0.65	1,853
Bromoxynil	7	1.0	0.25	0.25	132
Cyanazine	5	1.0	0.86	0.86	288
Dicamba	46	1.0	0.37	0.37	1,221
EPTC	3	1.0	4.14	4.14	1,053
Metolachlor	25	1.0	2.05	2.05	3,771
Nicosulfuron	21	1.0	0.02	0.02	37
Primisulfuron	5	1.0	0.02	0.02	5

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

1998 SOYBEAN CHEMICAL USAGE

Nitrogen was applied to 17% of the total 1998 soybean acreage in the 16 states surveyed. Eighteen percent of Minnesota soybean acres were treated with nitrogen. Growers in the 16 states applied an average of 1.1 treatments per acre and used an average of 20 pounds per treatment. In the states surveyed, 24% of the soybean acreage received phosphate fertilizer. Potash fertilizer was applied to 27% of the soybean acreage.

Herbicides were applied to 95% of the total soybean acreage in the 16 states surveyed. Glyphosate was applied to 46% of the acreage, with Pendimethalin and Imazethapyr applied to 18% and 17% of the acreage, respectively. Growers in the surveyed states applied insecticide to only 2 percent of the total soybean acres planted. With the exception of insecticide applications in Arkansas, Louisiana, Mississippi, and North Carolina, there were too few reports to publish individual state data for the insecticides. Growers reported few fungicide or other chemical applications.

SOYBEAN: ACREAGE, PERCENT RECEIVING CHEMICALS, NUMBER OF APPLICATIONS, RATES PER APPLICATION, SELECTED STATES, 1998

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 2/	10,500	10	1.1	18	13	1.0	47	14	1.0	52	100	--
MN 2/	6,900	18	1.1	21	17	1.0	33	9	1.0	56	97	--
IL 2/	10,700	7	1.0	23	12	1.0	60	24	1.0	124	95	--
IN 2/	5,700	15	1.6	18	26	1.1	42	51	1.1	82	98	--
TOTAL 3/	65,745	17	1.1	20	24	1.0	47	27	1.0	78	95	2

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

2/ Insufficient reports to publish data for insecticides.

3/ Refers to 16 major soybean states including: AR, IL, IN, IA, KS, KY, LA, MI, MN, MS, MO, NE, NC, OH, SD, and TN.

SOYBEANS: FREQUENCY AND EXTENT OF CHEMICAL USAGE BY ACTIVE INGREDIENT, MINNESOTA, 1998

Active Ingredient	Area Applied 1/	Applications	Rate per Application	Rate per year	Total Applied
	Percent	Number	Pounds	Pounds	1,000 Pounds
HERBICIDES:					
Acifluorfen	4	1.0	0.160	0.160	41
Bentazon	4	1.0	0.730	0.730	221
Clomazone	5	1.0	0.700	0.700	222
Fenoxaprop	5	1.0	0.110	0.110	40
Fluazifop	6	1.0	0.040	0.040	15
Glyphosate	26	1.3	0.690	0.960	1,686
Imazamox	26	1.0	0.030	0.030	52
Imazethapyr	27	1.0	0.030	0.030	49
Pendimethalin	22	1.0	1.230	1.230	1,889
Sethoxydim	3	1.0	0.190	0.190	36
Thifensulfuron	8	1.0	0.002	0.002	1
Trifluralin	22	1.0	0.880	0.880	1,367

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

1998 SPRING WHEAT CHEMICAL USAGE

The 7 survey states totaled 15.5 million planted acres in 1998. Nitrogen was applied to 87% of the total 1998 spring wheat acreage in the seven states surveyed. All of the major producing states had at least 61% or more of the acreage treated. Growers averaged 1.6 applications per acre applying 46 pounds per treatment. In the states surveyed, 77% of the planted spring wheat acreage received phosphates. Potash fertilizer was applied to 25% of the spring wheat acreage.

Herbicides were applied to 91% of the total spring wheat acreage in the seven states in 1998. 2,4-D was applied to 54% of the acreage, with MCPA and Fenoxaprop applied to 44% and 26% of the acreage respectively. Insecticide applications were reported on 6% of the total spring wheat planted acreage, while fungicide applications were reported on 9%.

SPRING WHEAT: ACREAGE, PERCENT RECEIVING CHEMICALS, NUMBER OF APPLICATIONS, RATES PER APPLICATION, MAJOR STATES, 1998

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Insecticid
		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	1,950	100	1.7	49	97	1.0	35	64	1.0	30	97	11
MT 2/	3,800	61	1.3	44	56	1.0	30	22	1.0	12	81	--
ND	6,700	97	1.7	43	87	1.0	29	20	1.0	7	98	7
TOTAL 3/	15,500	87	1.6	46	77	1.0	31	25	1.0	18	91	6

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

2/ Insufficient reports to publish data for insecticides.

3/ Refers to 7 major spring wheat states including: ID, MN, MT, ND, OR, SD, and WA.

SPRING WHEAT: FREQUENCY AND EXTENT OF CHEMICAL USAGE BY ACTIVE INGREDIENT, MINNESOTA, 1998

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	57	1.0	0.190	0.200	222
Bromoxynil	37	1.2	0.200	0.250	179
Fenoxaprop	60	1.0	0.070	0.070	79
MCPA	77	1.1	0.350	0.410	607
Thifensulfuron	24	1.0	0.008	0.008	4
Tribenuronmethyl	25	1.0	0.004	0.004	2

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

CORN: ACREAGE PLANTED FOR ALL PURPOSES, HARVESTED FOR GRAIN, YIELD, AND PRODUCTION,
BY COUNTY AND DISTRICT, MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acres		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	24,100	24,300	14,200	12,500	92.0	90.0	1,306,400	1,125,000
Clay	39,900	46,900	36,000	42,200	111.0	108.0	3,996,000	4,557,600
Clearwater	4,600	5,100	2,300	2,600	80.0	107.0	184,000	278,200
Kittson	4,900	8,100	3,200	6,100	91.0	95.0	291,200	579,500
Mahnomen	7,200	10,800	5,400	6,900	102.0	119.0	550,800	821,100
Marshall	10,100	12,100	8,100	9,400	79.0	89.0	639,900	836,600
Norman	20,800	26,000	17,300	23,000	84.0	96.0	1,453,200	2,208,000
Pennington	4,500	7,000	4,000	6,200	83.0	100.0	332,000	620,000
Polk	37,100	46,900	32,200	43,600	89.0	104.0	2,865,800	4,534,400
Red Lake	8,400	11,500	6,300	10,200	93.0	106.0	585,900	1,081,200
Roseau	7,900	10,800	4,300	3,500	94.0	96.0	404,200	336,000
Northwest	169,500	209,500	133,300	166,200	94.6	102.2	12,609,400	16,977,600
Beltrami	4,000	4,800	500	600	79.0	99.0	39,500	59,400
Cass	10,000	10,100	4,300	3,000	100.0	90.0	430,000	270,000
Hubbard	12,700	12,900	10,900	9,300	119.0	134.0	1,297,100	1,246,200
Itasca	1,800	1,900	1,200	300	86.0	92.0	103,200	27,600
Other Counties	1,000	800	200	200	86.5	98.5	17,300	19,700
North Central	29,500	30,500	17,100	13,400	110.4	121.1	1,887,100	1,622,900
Other Counties	700	600	300	300	96.0	97.0	28,800	29,100
Northeast	700	600	300	300	96.0	97.0	28,800	29,100
Big Stone	65,800	76,100	63,300	72,800	119.0	140.0	7,532,700	10,192,000
Chippewa	135,400	138,400	133,000	136,000	128.0	157.0	17,024,000	21,352,000
Douglas	48,300	51,600	39,200	40,300	113.0	129.0	4,429,600	5,198,700
Grant	47,900	59,900	45,700	57,700	138.0	152.0	6,306,600	8,770,400
Lac Qui Parle	145,600	158,300	141,600	154,800	124.0	145.0	17,558,400	22,446,000
Otter Tail	149,100	157,000	117,000	119,000	111.0	127.0	12,987,000	15,113,000
Pope	92,200	95,000	84,300	87,300	132.0	155.0	11,127,600	13,531,500
Stevens	117,300	130,900	109,700	127,000	141.0	159.0	15,467,700	20,193,000
Swift	157,200	161,900	152,500	158,100	127.0	152.0	19,367,500	24,031,200
Traverse	69,400	81,300	67,800	79,200	135.0	147.0	9,153,000	11,642,400
Wilkin	36,400	42,600	35,100	40,900	117.0	119.0	4,106,700	4,867,100
Yellow Medicine	169,100	184,800	164,400	177,900	126.0	146.0	20,714,400	25,973,400
West Central	1,233,700	1,337,800	1,153,600	1,251,000	126.4	146.5	145,775,200	183,310,700
Benton	62,800	63,900	51,000	51,300	114.0	133.0	5,814,000	6,822,900
Carver	58,100	59,500	49,600	49,500	128.0	170.0	6,348,800	8,415,000
Kandiyohi	142,800	145,100	129,700	137,900	124.0	162.0	16,082,800	22,339,800
McLeod	90,700	90,100	83,500	84,700	126.0	162.0	10,521,000	13,721,400
Meeker	111,800	114,100	102,000	102,900	122.0	141.0	12,444,000	14,508,900
Morrison	98,000	99,400	71,500	72,400	117.0	111.0	8,365,500	8,036,400
Renville	232,900	242,200	226,800	238,500	133.0	164.0	30,164,400	39,114,000
Scott	41,900	40,100	37,700	36,600	140.0	151.0	5,278,000	5,526,600
Sherburne	30,500	32,000	28,000	30,200	123.0	123.0	3,444,000	3,714,600
Sibley	123,000	128,200	115,100	123,000	140.0	167.0	16,114,000	20,541,000
Stearns	215,500	212,100	165,400	164,200	124.0	143.0	20,509,600	23,480,600
Todd	81,500	78,000	61,900	48,500	111.0	105.0	6,870,900	5,092,500
Wadena	27,500	24,100	20,400	12,300	107.0	107.0	2,182,800	1,316,100
Wright	79,500	80,000	71,000	70,400	128.0	145.0	9,088,000	10,208,000
Central	1,396,500	1,408,800	1,213,600	1,222,400	126.3	149.6	153,227,800	182,837,800

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.

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CORN: ACREAGE PLANTED FOR ALL PURPOSES, HARVESTED FOR GRAIN, YIELD, AND PRODUCTION,
BY COUNTY AND DISTRICT, MINNESOTA, 1997-98 (continued)

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Anoka	11,500	17,900	10,500	16,500	103.0	116.0	1,081,500	1,914,000
Carlton	2,400	2,100	100	400	105.0	116.0	10,500	46,400
Chisago	30,500	33,200	27,000	30,300	111.0	130.0	2,997,000	3,939,000
Crow Wing	10,900	10,900	7,900	8,000	101.0	92.0	797,900	736,000
Hennepin	20,000	13,200	17,600	12,300	130.0	146.0	2,288,000	1,795,800
Isanti	43,600	45,100	41,200	42,200	111.0	126.0	4,573,200	5,317,200
Kanabec	19,000	18,400	14,400	14,700	106.0	121.0	1,526,400	1,778,700
Mille Lacs	29,500	30,400	22,500	23,100	110.0	133.0	2,475,000	3,072,300
Pine	25,100	23,700	16,100	13,000	113.0	117.0	1,819,300	1,521,000
Washington	24,900	24,000	23,900	23,000	145.0	163.0	3,465,500	3,749,000
Other Counties	2,000	1,700	1,000	400	95.5	105.3	95,500	42,100
East Central	219,400	220,600	182,200	183,900	116.0	130.0	21,129,800	23,911,500
Cottonwood	165,100	174,800	159,300	171,400	130.0	161.0	20,709,000	27,595,400
Jackson	177,600	187,200	173,500	185,100	128.0	159.0	22,208,000	29,430,900
Lincoln	85,100	90,700	74,000	83,800	101.0	145.0	7,474,000	12,151,000
Lyon	169,300	180,300	155,000	175,200	122.0	150.0	18,910,000	26,280,000
Murray	169,700	179,500	161,100	173,200	115.0	153.0	18,526,500	26,499,600
Nobles	195,300	198,000	187,100	193,900	114.0	156.0	21,329,400	30,248,400
Pipestone	101,300	108,400	91,900	95,500	103.0	149.0	9,465,700	14,229,500
Redwood	221,600	232,600	216,700	224,700	134.0	152.0	29,037,800	34,154,400
Rock	127,300	132,400	121,800	128,200	124.0	150.0	15,103,200	19,230,000
Southwest	1,412,300	1,483,900	1,340,400	1,431,000	121.4	153.6	162,763,600	219,819,200
Blue Earth	175,500	180,100	171,800	177,900	144.0	165.0	24,739,200	29,353,500
Brown	143,300	148,400	136,000	140,700	139.0	151.0	18,904,000	21,245,700
Faribault	202,500	206,000	199,000	202,700	150.0	160.0	29,850,000	32,432,000
Freeborn	175,700	184,300	172,000	180,500	149.0	157.0	25,628,000	28,338,500
Le Sueur	87,300	88,400	82,400	84,400	143.0	154.0	11,783,200	12,997,600
Martin	207,600	215,800	203,700	213,300	149.0	164.0	30,351,300	34,981,200
Nicollet	110,500	111,400	105,600	107,200	147.0	163.0	15,523,200	17,473,600
Rice	93,500	91,000	87,100	82,100	144.0	156.0	12,542,400	12,807,600
Steele	104,400	108,500	100,700	105,300	143.0	171.0	14,400,100	18,006,300
Waseca	116,600	120,200	114,000	118,400	148.0	165.0	16,872,000	19,536,000
Watonwan	120,400	126,800	118,200	125,100	146.0	156.0	17,257,200	19,515,600
South Central	1,537,300	1,580,900	1,490,500	1,537,600	146.2	160.4	217,850,600	246,687,600
Dakota	93,900	92,300	88,600	87,200	150.0	164.0	13,290,000	14,300,800
Dodge	103,000	106,600	97,700	103,900	152.0	171.0	14,850,400	17,766,900
Fillmore	147,900	158,400	136,500	145,300	148.0	167.0	20,202,000	24,265,100
Goodhue	137,700	138,000	124,100	123,200	147.0	168.0	18,242,700	20,697,600
Houston	74,700	72,300	67,200	63,600	142.0	162.0	9,542,400	10,303,200
Mower	174,900	183,000	169,300	178,500	150.0	163.0	25,395,000	29,095,500
Olmsted	106,300	109,400	97,400	100,500	146.0	169.0	14,220,400	16,984,500
Wabasha	79,000	82,500	69,200	71,900	149.0	170.0	10,310,800	12,223,000
Winona	83,700	84,900	69,000	70,100	146.0	170.0	10,074,000	11,917,000
Southeast	1,001,100	1,027,400	919,000	944,200	148.1	166.9	136,127,700	157,553,600
Minnesota	7,000,000	7,300,000	6,450,000	6,750,000	132.0	153.0	851,400,000	1,032,750,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Becker	9,400	11,600	12.0	9.2	112,800	106,700
Clay	3,100	3,400	11.8	12.0	36,600	40,800
Clearwater	2,200	2,300	10.0	12.1	22,000	27,800
Kittson	1,300	1,900	8.3	10.7	10,800	20,300
Mahnomen	1,700	3,700	10.0	13.7	17,000	50,700
Marshall	1,900	1,700	10.5	10.4	20,000	17,700
Norman	3,000	2,500	10.2	10.3	30,600	25,800
Pennington	400	500	11.0	11.6	4,400	5,800
Polk	4,400	2,900	9.6	10.5	42,200	30,400
Red Lake	2,000	1,100	10.9	11.0	21,800	12,100
Roseau	3,200	6,600	10.6	11.7	33,900	77,200
Northwest	32,600	38,200	10.8	10.9	352,100	415,300
Beltrami	3,400	4,000	9.2	11.0	31,300	44,000
Cass	5,500	6,800	10.3	10.8	56,700	73,400
Hubbard	1,600	3,400	10.2	7.5	16,300	25,500
Itasca	600	1,500	9.8	10.5	5,900	15,700
Other Counties	800	600	11.3	10.7	9,000	6,400
North Central	11,900	16,300	10.0	10.1	119,200	165,000
Other Counties	400	300	13.0	11.0	5,200	3,300
Northeast	400	300	13.0	11.0	5,200	3,300
Big Stone	1,700	2,700	11.9	12.3	20,200	33,200
Chippewa	1,200	1,500	15.0	15.4	18,000	23,100
Douglas	8,600	10,600	13.5	13.8	116,100	146,300
Grant	1,700	1,700	15.3	15.6	26,000	26,500
Lac Qui Parle	2,700	2,100	14.7	16.4	39,700	34,400
Otter Tail	29,200	36,200	12.7	12.3	370,900	445,300
Pope	6,800	6,100	14.3	16.0	97,200	97,600
Stevens	6,600	3,000	18.1	19.7	119,500	59,100
Swift	3,300	2,800	13.8	15.9	45,500	44,500
Traverse	1,000	1,600	13.6	15.8	13,600	25,300
Wilkin	1,000	1,200	10.1	11.8	10,100	14,200
Yellow Medicine	3,000	5,800	13.6	17.4	40,800	100,900
West Central	66,800	75,300	13.7	13.9	917,600	1,050,400
Benton	10,600	12,200	13.6	16.4	144,200	200,100
Carver	7,400	9,500	15.5	21.4	114,700	203,300
Kandiyohi	7,100	5,800	13.2	16.3	93,700	94,500
McLeod	5,700	3,000	15.2	18.5	86,600	55,500
Meeker	7,000	10,200	15.6	17.6	109,200	179,500
Morrison	24,000	26,000	14.7	15.3	352,800	397,800
Renville	3,100	1,800	15.6	19.6	48,400	35,300
Scott	3,800	3,100	16.7	19.1	63,500	59,200
Sherburne	2,200	1,600	15.0	14.4	33,000	23,000
Sibley	5,900	4,400	16.9	17.1	99,700	75,200
Stearns	47,300	45,800	16.0	16.8	756,800	769,500
Todd	18,900	27,500	13.7	12.2	258,900	335,500
Wadena	6,800	11,000	12.6	9.4	85,700	103,400
Wright	7,600	8,900	15.9	20.2	120,800	179,800
Central	157,400	170,800	15.0	15.9	2,368,000	2,711,600

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.

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CORN FOR SILAGE: ACREAGE HARVESTED, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998
	Acres		Tons		Tons	
Anoka	800	900	14.8	15.6	11,800	14,000
Carlton	2,100	1,600	9.6	13.6	20,200	21,800
Chisago	2,700	2,600	14.7	16.6	39,700	43,200
Crow Wing	2,900	2,800	12.0	11.4	34,800	31,900
Hennepin	2,000	800	13.0	15.3	26,000	12,200
Isanti	1,700	1,200	11.2	13.0	19,000	15,600
Kanabec	4,300	3,400	14.5	13.8	62,300	46,900
Mille Lacs	6,600	7,000	14.7	17.8	97,000	124,600
Pine	8,700	10,600	12.6	14.5	109,600	153,700
Washington	800	800	13.3	13.8	10,600	11,000
Other Counties	900	1,200	12.4	10.7	11,200	12,800
East Central	33,500	32,900	13.2	14.8	442,200	487,700
Cottonwood	4,100	2,400	17.2	18.8	70,500	45,100
Jackson	2,700	1,000	15.7	16.6	42,400	16,600
Lincoln	6,600	6,400	11.8	17.4	77,900	111,400
Lyon	5,800	4,000	12.9	14.6	74,800	58,400
Murray	5,900	5,000	15.6	16.7	92,000	83,500
Nobles	6,600	3,000	14.8	17.2	97,700	51,600
Pipestone	7,500	11,300	14.2	17.2	106,500	194,400
Redwood	2,900	2,800	16.7	16.5	48,400	46,200
Rock	4,500	3,400	14.7	17.3	66,200	58,800
Southwest	46,600	39,300	14.5	16.9	676,400	666,000
Blue Earth	1,400	1,000	21.7	21.8	30,400	21,800
Brown	5,400	6,400	16.7	18.2	90,200	116,500
Faribault	2,000	900	22.8	21.3	45,600	19,200
Freeborn	2,100	2,200	16.1	17.0	33,800	37,400
Le Sueur	3,600	3,300	19.2	21.6	69,100	71,300
Martin	2,000	1,000	19.2	19.8	38,400	19,800
Nicollet	3,700	2,900	18.0	19.3	66,600	56,000
Rice	5,400	7,800	17.8	22.8	96,100	177,800
Steele	2,700	2,500	18.0	20.3	48,600	50,700
Waseca	1,400	1,000	20.8	20.3	29,100	20,300
Watsonwan	1,100	800	17.1	21.8	18,800	17,400
South Central	30,800	29,800	18.4	20.4	566,700	608,200
Dakota	3,700	3,500	17.8	20.9	65,900	73,200
Dodge	4,300	2,000	19.9	18.1	85,600	36,200
Fillmore	9,700	11,000	18.7	19.7	181,400	216,700
Goodhue	11,700	13,700	19.1	20.9	223,500	286,300
Houston	6,600	7,900	17.6	19.2	116,200	151,700
Mower	4,000	2,600	17.1	17.8	68,400	46,300
Olmsted	7,500	8,100	17.9	18.8	134,200	152,300
Wabasha	8,600	9,200	18.5	20.5	159,100	188,600
Winona	13,900	14,100	19.3	24.2	268,300	341,200
Southeast	70,000	72,100	18.6	20.7	1,302,600	1,492,500
Minnesota	450,000	475,000	15.0	16.0	6,750,000	7,600,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.

SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	60.000	62.700	59.800	61.000	32.0	28.0	1,913,600	1,708,000
Clay	105.600	113.600	105.100	109.500	34.0	31.0	3,573,400	3,394,500
Clearwater	1.700	2.900	1.700	2.800	28.0	28.0	47,600	78,400
Kittson	10.000	35.800	9.900	34.400	29.0	29.0	287,100	997,600
Mahnomen	34.700	37.900	34.300	37.100	33.0	34.0	1,131,900	1,261,400
Marshall	39.600	88.300	38.900	81.600	32.0	29.0	1,244,800	2,366,400
Norman	94.200	126.300	93.300	122.700	29.0	31.0	2,705,700	3,803,700
Pennington	11.100	37.200	11.000	36.200	29.0	24.0	319,000	868,800
Polk	111.200	196.000	108.800	194.000	30.0	31.0	3,264,000	6,014,000
Red Lake	21.900	41.300	21.700	40.800	29.0	28.0	629,300	1,142,400
Roseau	2.400	7.600	2.300	7.100	25.0	25.0	57,500	177,500
Northwest	492.400	749.600	486.800	727.200	31.2	30.0	15,173,900	21,812,700
Big Stone	106.800	107.300	106.300	106.200	35.0	37.0	3,720,500	3,929,400
Chippewa	135.000	133.000	134.000	131.800	37.0	44.0	4,958,000	5,799,200
Douglas	48.200	55.400	47.900	54.700	36.0	35.0	1,724,400	1,914,500
Grant	118.400	123.900	117.900	122.300	38.0	36.0	4,480,200	4,402,800
Lac Qui Parle	177.800	182.200	177.300	180.200	37.0	40.0	6,560,100	7,208,000
Otter Tail	90.700	103.200	90.300	101.300	35.0	31.0	3,160,500	3,140,300
Pope	82.700	82.900	82.500	81.200	38.0	39.0	3,135,000	3,166,800
Stevens	133.500	136.200	133.100	133.700	39.0	40.0	5,190,900	5,348,000
Swift	161.100	161.100	159.300	159.400	36.0	39.0	5,734,800	6,216,600
Traverse	147.000	136.000	146.500	134.700	37.0	37.0	5,420,500	4,983,900
Wilkin	135.200	135.600	134.900	131.800	34.0	30.0	4,586,600	3,954,000
Yellow Medicine	184.800	184.400	182.800	182.800	37.0	41.0	6,763,600	7,494,800
West Central	1,521.200	1,541.200	1,512.800	1,520.100	36.6	37.9	55,435,100	57,558,300
Benton	17.400	17.900	17.000	17.700	35.0	37.0	595,000	654,900
Carver	37.800	38.600	36.900	38.200	40.0	51.0	1,476,000	1,948,200
Kandiyohi	114.700	118.200	110.200	117.000	38.0	45.0	4,187,600	5,265,000
McLeod	92.000	92.400	91.100	91.200	36.0	47.0	3,279,600	4,286,400
Meeker	108.900	111.000	107.600	109.700	35.0	39.0	3,766,000	4,278,300
Morrison	6.600	8.800	6.400	8.400	36.0	26.0	230,400	218,400
Renville	255.400	243.100	251.800	240.200	40.0	45.0	10,072,000	10,809,000
Scott	31.800	32.500	31.500	31.700	42.0	42.0	1,323,000	1,331,400
Sherburne	14.700	14.300	14.500	14.200	36.0	31.0	522,000	440,200
Sibley	130.200	123.300	129.300	122.000	38.0	47.0	4,913,400	5,734,000
Stearns	67.000	77.200	66.700	75.900	39.0	43.0	2,601,300	3,263,700
Todd	15.800	19.800	15.700	19.600	34.0	28.0	533,800	548,800
Wadena	1.300	1.100	1.300	1.100	36.0	28.0	46,800	30,800
Wright	62.500	67.600	62.100	66.900	38.0	44.0	2,359,800	2,943,600
Central	956.100	965.800	942.100	953.800	38.1	43.8	35,906,700	41,752,700
Aitkin	1.700	--	1,700	--	26.0	--	44,200	--
Anoka	5.500	14.200	5.400	14.000	28.0	31.0	151,200	434,000
Chisago	17.500	18.600	17.200	18.400	30.0	36.0	516,000	662,400
Hennepin	14.200	6.700	14.000	6,600	38.0	44.0	532,000	290,400
Isanti	27.200	23.900	26.900	23,700	27.0	33.0	726,300	782,100
Kanabec	5.200	6.600	5.100	6,400	31.0	29.0	158,100	185,600
Mille Lacs	8.100	8.500	7,600	8,400	32.0	29.0	243,200	243,600
Pine	5.400	7.100	5.300	6,800	33.0	28.0	174,900	190,400
Washington	16.300	16,800	16,000	16,700	39.0	41.0	624,000	684,700
Other Counties	1,000	700	1,000	700	30.4	29.7	30,400	20,800
East Central	102,100	103,100	100,200	101,700	31.9	34.4	3,200,300	3,494,000

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SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Cottonwood	172,900	177,300	172,100	175,800	42.0	46.0	7,228,200	8,086,800
Jackson	186,000	180,400	185,400	178,900	41.0	44.0	7,601,400	7,871,600
Lincoln	89,800	105,800	87,200	104,900	32.0	41.0	2,790,400	4,300,900
Lyon	172,400	176,000	169,600	174,600	37.0	44.0	6,275,200	7,682,400
Murray	182,800	178,100	181,500	176,600	37.0	46.0	6,715,500	8,123,600
Nobles	197,400	193,700	196,800	191,800	39.0	47.0	7,675,200	9,014,600
Pipestone	101,600	97,600	100,800	96,800	35.0	42.0	3,528,000	4,065,600
Redwood	238,400	238,000	237,600	230,800	41.0	43.0	9,741,600	9,924,400
Rock	126,200	120,800	125,800	119,800	40.0	45.0	5,032,000	5,391,000
Southwest	1,467,500	1,467,700	1,456,800	1,450,000	38.8	44.5	56,587,500	64,460,900
Blue Earth	177,500	177,900	176,900	176,100	43.0	49.0	7,606,700	8,628,900
Brown	141,300	143,100	140,400	141,000	43.0	42.0	6,037,200	5,922,000
Faribault	170,500	172,300	170,100	169,800	44.0	46.0	7,484,400	7,810,800
Freeborn	156,900	158,700	156,300	156,900	45.0	46.0	7,033,500	7,217,400
Le Sueur	78,900	86,200	78,400	85,000	41.0	47.0	3,214,400	3,995,000
Martin	199,800	196,000	199,300	193,300	44.0	47.0	8,769,200	9,085,100
Nicollet	107,300	105,600	106,700	104,600	42.0	48.0	4,481,400	5,020,800
Rice	70,600	67,400	70,300	66,100	43.0	47.0	3,022,900	3,106,700
Steele	89,000	88,900	88,500	88,100	42.0	49.0	3,717,000	4,316,900
Waseca	100,500	100,500	100,100	99,500	43.0	48.0	4,304,300	4,776,000
Watsonwan	120,500	119,700	119,900	118,600	43.0	45.0	5,155,700	5,337,000
South Central	1,412,800	1,416,300	1,406,900	1,399,000	43.2	46.6	60,826,700	65,216,600
Dakota	66,300	67,900	66,000	67,000	42.0	46.0	2,772,000	3,082,000
Dodge	88,900	91,300	88,100	90,400	43.0	48.0	3,788,300	4,339,200
Fillmore	81,300	89,600	80,900	87,400	46.0	47.0	3,721,400	4,107,800
Goodhue	84,300	85,400	83,900	84,600	45.0	50.0	3,775,500	4,230,000
Houston	32,800	29,600	32,600	29,100	42.0	48.0	1,369,200	1,396,800
Mower	176,900	167,800	176,300	166,400	44.0	49.0	7,757,200	8,153,600
Olmsted	61,000	67,600	60,700	66,800	44.0	50.0	2,670,800	3,340,000
Wabasha	32,000	32,200	31,800	31,900	45.0	49.0	1,431,000	1,563,100
Winona	21,600	21,600	21,400	21,400	45.0	47.0	963,000	1,005,800
Southeast	645,100	653,000	641,700	645,000	44.0	48.4	28,248,400	31,218,300
Other Districts	2,800	3,300	2,700	3,200	26.4	27.0	71,400	86,500
Minnesota	6,600,000	6,900,000	6,550,000	6,800,000	39.0	42.0	255,450,000	285,600,000

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ALL WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	71,400	65,000	69,800	64,200	33.0	39.0	2,300,200	2,502,800
Clay	202,700	175,600	200,300	171,500	35.0	38.0	7,013,000	6,511,900
Clearwater	7,900	4,800	7,400	4,600	23.5	37.4	173,600	172,100
Kittson	231,000	155,200	218,600	153,300	28.0	41.8	6,121,200	6,411,400
Mahnomen	55,100	43,900	53,300	43,600	34.0	44.5	1,814,100	1,940,200
Marshall	336,400	256,200	315,100	250,000	27.9	35.6	8,801,900	8,903,900
Norman	192,600	173,000	185,000	169,800	28.1	39.8	5,199,500	6,759,600
Pennington	95,800	71,000	91,500	69,500	26.3	33.2	2,410,700	2,309,100
Polk	388,200	303,500	374,600	301,600	31.1	44.3	11,634,100	13,352,000
Red Lake	57,600	49,600	54,900	49,200	30.3	40.1	1,665,000	1,973,400
Roseau	158,900	122,300	152,300	115,900	31.0	34.9	4,721,300	4,041,500
Northwest	1,797,600	1,420,100	1,722,800	1,393,200	30.1	39.4	51,854,600	54,877,900
Beltrami	8,400	7,400	8,200	7,000	31.7	29.7	260,000	208,200
Koochiching	1,300	1,300	1,200	1,300	32.9	37.0	39,500	48,100
Lake of the Woods	18,900	16,400	18,300	16,100	41.0	37.3	750,400	599,900
Other Counties	600	1,100	500	1,100	26.0	36.3	13,000	39,900
North Central	29,200	26,200	28,200	25,500	37.7	35.1	1,062,900	896,100
Other Counties	700	300	600	200	25.0	30.0	15,000	6,000
Northeast	700	300	600	200	25.0	30.0	15,000	6,000
Big Stone	37,200	34,400	36,100	34,100	35.0	43.8	1,263,900	1,494,400
Chippewa	6,000	3,300	5,700	3,200	35.0	48.0	199,500	153,600
Douglas	23,200	17,300	22,900	17,200	32.9	40.9	754,500	704,000
Grant	76,700	71,700	72,600	71,200	39.0	47.0	2,832,400	3,343,800
Lac Qui Parle	25,100	15,500	24,600	15,400	34.0	43.6	835,500	671,100
Otter Tail	73,300	64,300	71,800	64,000	35.0	41.9	2,510,600	2,684,400
Pope	18,700	12,500	18,000	12,400	34.0	41.7	612,500	517,200
Stevens	45,100	35,500	42,900	35,100	39.0	48.0	1,673,200	1,683,500
Swift	13,200	8,200	12,700	8,100	33.2	45.9	421,900	371,400
Traverse	81,700	72,900	77,600	72,500	39.0	45.0	3,026,600	3,260,200
Wilkin	175,000	149,600	172,900	148,600	38.0	42.9	6,569,700	6,372,400
Yellow Medicine	13,100	8,500	12,700	8,400	36.0	43.6	456,800	366,600
West Central	588,300	493,700	570,500	490,200	37.1	44.1	21,157,100	21,622,600
Benton	1,600	--	1,500	--	28.4	--	42,600	--
Carver	2,300	1,400	2,100	1,400	35.5	39.7	74,500	55,600
Kandiyohi	6,500	4,400	6,000	4,200	33.1	48.0	198,500	201,600
McLeod	4,900	3,200	4,600	3,100	38.2	43.8	175,800	135,800
Meeker	6,300	4,000	5,900	4,000	33.3	39.0	196,500	156,000
Morrison	1,000	--	900	--	30.6	--	27,500	--
Renville	6,900	4,700	6,600	4,600	40.0	48.7	263,800	223,900
Scott	2,300	--	1,900	--	36.4	--	69,200	--
Sibley	4,300	2,600	4,000	2,600	38.4	45.8	153,500	119,000
Stearns	5,000	4,000	4,800	4,000	34.0	45.3	163,200	181,000
Todd	5,600	4,900	5,200	4,800	26.8	38.0	139,200	182,400
Wright	3,300	2,700	3,100	2,500	29.5	38.2	91,400	95,400
Other Counties	1,100	2,800	1,000	2,700	23.9	36.1	23,900	97,600
Central	51,100	34,700	47,600	33,900	34.0	42.7	1,619,600	1,448,300

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ALL WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District 1/	Planted Acreage		Harvested Yield		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Aitkin	2,500	--	2,300	--	21.0	--.	48,300	--
Anoka	--	1,000	--	1,000	--.	37.1	--	37,100
Hennepin	1,600	--	1,400	--	32.0	--.	44,800	--
Isanti	1,300	1,000	1,300	1,000	28.0	36.2	36,400	36,200
Other Counties	2,500	2,500	2,200	2,200	29.5	37.0	64,800	81,300
<u>East Central</u>	7,900	4,500	7,200	4,200	27.0	36.8	194,300	154,600
Lincoln	11,700	10,300	7,800	10,000	30.9	39.9	241,300	398,800
Lyon	6,000	4,700	5,100	4,600	32.0	41.0	163,200	188,600
Murray	1,100	--	1,000	--	32.7	--.	32,700	--
Pipestone	--	1,000	--	1,000	--.	41.0	--	41,000
Redwood	3,100	2,400	2,700	2,400	40.0	44.6	108,000	107,100
Other Counties	2,900	2,300	2,400	2,300	35.0	38.4	84,000	88,400
<u>Southwest</u>	24,800	20,700	19,000	20,300	33.1	40.6	629,200	823,900
Blue Earth	1,200	--	1,100	--	41.9	--.	46,100	--
Brown	2,900	2,000	2,700	1,900	40.0	46.0	108,000	87,400
Le Sueur	2,800	2,000	2,700	2,000	41.3	44.3	111,600	88,500
Nicollet	2,400	1,700	2,300	1,700	40.3	44.1	92,800	74,900
Rice	1,400	--	1,300	--	40.0	--.	52,000	--
Other Counties	2,900	3,600	2,700	3,600	41.5	42.3	112,100	152,200
<u>South Central</u>	13,600	9,300	12,800	9,200	40.8	43.8	522,600	403,000
Dakota	2,900	2,000	2,700	1,800	39.0	40.3	105,300	72,600
Other Counties	3,900	3,500	3,600	3,500	38.7	39.7	139,400	139,000
<u>Southeast</u>	6,800	5,500	6,300	5,300	38.8	39.9	244,700	211,600
<u>Minnesota</u>	2,520,000	2,015,000	2,415,000	1,982,000	32.0	40.6	77,300,000	80,444,000

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SPRING WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	70,500	64,800	69,000	64,000	33.0	39.0	2,277,000	2,496,000
Clay	201,300	174,100	198,900	170,000	35.0	38.0	6,961,500	6,460,000
Clearwater	5,900	4,000	5,600	3,900	22.0	40.0	123,200	156,000
Kittson	229,800	153,400	217,400	151,700	28.0	42.0	6,087,200	6,371,400
Mahnomen	53,100	41,600	51,400	41,400	34.0	45.0	1,747,600	1,863,000
Marshall	327,900	249,800	306,800	243,900	28.0	36.0	8,590,400	8,780,400
Norman	188,600	168,500	181,100	165,400	28.0	40.0	5,070,800	6,616,000
Pennington	89,000	66,000	85,000	64,600	26.0	34.0	2,210,000	2,196,400
Polk	376,000	288,400	363,100	286,800	31.0	45.0	11,256,100	12,906,000
Red Lake	52,800	44,000	50,400	43,700	30.0	42.0	1,512,000	1,835,400
Roseau	149,500	113,600	145,000	108,200	31.0	36.0	4,495,000	3,895,200
Northwest	1,744,400	1,368,200	1,673,700	1,343,600	30.1	39.9	50,330,800	53,575,800
Beltrami	8,200	7,200	8,000	6,800	32.0	30.0	256,000	204,000
Koochiching	1,200	1,300	1,100	1,300	34.0	37.0	37,400	48,100
Lake of the Woods	16,200	15,600	15,700	15,400	42.0	38.0	659,400	585,200
Other Counties	600	1,000	500	1,000	26.0	37.8	13,000	37,800
North Central	26,200	25,100	25,300	24,500	38.2	35.7	965,800	875,100
Other Counties	700	300	600	200	25.0	30.0	15,000	6,000
Northeast	700	300	600	200	25.0	30.0	15,000	6,000
Big Stone	37,000	33,700	36,000	33,500	35.0	44.0	1,260,000	1,474,000
Chippewa	6,000	3,300	5,700	3,200	35.0	48.0	199,500	153,600
Douglas	22,600	16,900	22,300	16,800	33.0	41.0	735,900	688,800
Grant	76,500	71,500	72,400	71,000	39.0	47.0	2,823,600	3,337,000
Lac Qui Parle	25,000	15,000	24,500	14,900	34.0	44.0	833,000	655,600
Otter Tail	72,500	63,500	71,000	63,200	35.0	42.0	2,485,000	2,654,400
Pope	18,600	12,200	17,900	12,100	34.0	42.0	608,600	508,200
Stevens	45,000	35,400	42,800	35,000	39.0	48.0	1,669,200	1,680,000
Swift	13,000	8,100	12,500	8,000	33.0	46.0	412,500	368,000
Traverse	81,500	72,600	77,400	72,200	39.0	45.0	3,018,600	3,249,000
Wilkin	172,700	147,000	170,600	146,000	38.0	43.0	6,482,800	6,278,000
Yellow Medicine	12,800	8,300	12,500	8,200	36.0	44.0	450,000	360,800
West Central	583,200	487,500	565,600	484,100	37.1	44.2	20,978,700	21,407,400
Carver	2,000	1,200	1,900	1,200	35.0	39.0	66,500	46,800
Kandiyohi	6,400	4,400	5,900	4,200	33.0	48.0	194,700	201,600
McLeod	4,000	2,800	3,800	2,800	37.0	44.0	140,600	123,200
Meeker	6,000	3,800	5,600	3,800	33.0	39.0	184,800	148,200
Renville	6,700	4,600	6,400	4,500	40.0	49.0	256,000	220,500
Scott	1,800	--	1,400	--	33.0	--	46,200	--
Sibley	3,800	2,300	3,500	2,300	38.0	46.0	133,000	105,800
Stearns	5,000	3,700	4,800	3,700	34.0	46.0	163,200	170,200
Todd	4,800	4,200	4,400	4,200	26.0	38.0	114,400	159,600
Wright	3,000	2,400	2,800	2,200	29.0	39.0	81,200	85,800
Other Counties	2,700	2,200	2,400	2,100	27.2	36.9	65,200	77,400
Central	46,200	31,600	42,900	31,000	33.7	43.2	1,445,800	1,339,100

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SPRING WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Aitkin	2,500	--	2,300	--	21.0	--	48,300	--
Hennepin	1,200	--	1,100	--	29.0	--	31,900	--
Isanti	1,100	--	1,100	--	28.0	--	30,800	--
Other Counties	2,100	3,800	1,800	3,700	30.9	37.9	55,700	140,100
East Central	6,900	3,800	6,300	3,700	26.5	37.9	166,700	140,100
Lincoln	11,500	10,200	7,700	9,900	31.0	40.0	238,700	396,000
Lyon	6,000	4,700	5,100	4,600	32.0	41.0	163,200	188,600
Murray	1,000	--	900	--	33.0	--	29,700	--
Pipestone	--	1,000	--	1,000	--	41.0	--	41,000
Redwood	3,100	2,100	2,700	2,100	40.0	47.0	108,000	98,700
Other Counties	2,800	2,200	2,300	2,200	35.4	38.9	81,400	85,600
Southwest	24,400	20,200	18,700	19,800	33.2	40.9	621,000	809,900
Blue Earth	1,100	--	1,000	--	42.0	--	42,000	--
Brown	2,700	1,800	2,500	1,700	40.0	48.0	100,000	81,600
Le Sueur	2,400	1,700	2,300	1,700	40.0	45.0	92,000	76,500
Nicollet	2,300	1,600	2,200	1,600	40.0	44.0	88,000	70,400
Rice	1,300	--	1,300	--	40.0	--	52,000	--
Other Counties	2,900	3,600	2,700	3,600	41.5	42.3	112,100	152,200
South Central	12,700	8,700	12,000	8,600	40.5	44.3	486,100	380,700
Dakota	2,100	1,300	2,000	1,200	39.0	44.0	78,000	52,800
Other Counties	3,200	3,300	2,900	3,300	38.7	40.3	112,100	133,100
Southeast	5,300	4,600	4,900	4,500	38.8	41.3	190,100	185,900
Minnesota	2,450,000	1,950,000	2,350,000	1,920,000	32.0	41.0	75,200,000	78,720,000

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OATS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	7,500	6,500	6,800	5,800	54.0	49.0	367,200	284,200
Clay	2,600	3,600	2,400	3,500	55.0	52.0	132,000	182,000
Clearwater	7,000	6,000	6,200	5,100	50.0	61.0	310,000	311,100
Kittson	7,600	9,900	6,200	9,300	47.0	64.0	291,400	595,200
Mahnomen	1,900	2,500	1,700	2,100	58.0	65.0	98,600	136,500
Marshall	9,600	11,200	8,500	10,800	53.0	54.0	450,500	583,200
Norman	2,300	2,500	2,100	2,300	59.0	60.0	123,900	138,000
Pennington	8,000	12,100	7,400	11,700	51.0	59.0	377,400	690,300
Polk	5,900	8,400	5,200	8,100	63.0	64.0	327,600	518,400
Red Lake	4,300	6,500	4,100	6,200	65.0	68.0	266,500	421,600
Roseau	13,300	14,600	11,800	13,000	52.0	57.0	613,600	741,000
Northwest	70,000	83,800	62,400	77,900	53.8	59.1	3,358,700	4,601,500
Beltrami	8,200	8,000	5,800	6,700	51.0	44.0	295,800	294,800
Cass	3,000	2,600	1,100	1,200	44.0	37.0	48,400	44,400
Hubbard	3,800	3,100	1,900	2,000	39.0	42.0	74,100	84,000
Itasca	3,100	2,200	1,600	1,000	50.0	42.0	80,000	42,000
Koochiching	2,100	1,400	1,200	700	53.0	56.0	63,600	39,200
Lake of the Woods	3,800	3,000	3,100	2,900	57.0	62.0	176,700	179,800
North Central	24,000	20,300	14,700	14,500	50.2	47.2	738,600	684,200
St Louis	3,800	3,000	3,100	2,300	50.0	51.0	155,000	117,300
Northeast	3,800	3,000	3,100	2,300	50.0	51.0	155,000	117,300
Chippewa	1,300	1,000	1,200	900	64.0	64.0	76,800	57,600
Douglas	9,600	6,200	9,000	6,000	58.0	69.0	522,000	414,000
Otter Tail	30,100	28,900	26,100	26,500	56.0	63.0	1,461,600	1,669,500
Pope	6,800	4,600	4,300	4,400	55.0	68.0	236,500	299,200
Swift	2,200	1,600	2,000	1,400	64.0	66.0	128,000	92,400
Wilkin	1,200	1,200	1,100	1,000	62.0	59.0	68,200	59,000
Other Counties	4,300	4,000	3,100	3,600	56.6	61.7	175,600	222,100
West Central	55,500	47,500	46,800	43,800	57.0	64.2	2,668,700	2,813,800
Benton	5,400	4,300	3,400	3,800	47.0	72.0	159,800	273,600
Carver	4,000	3,300	2,700	2,700	59.0	78.0	159,300	210,600
Kandiyohi	5,900	4,400	4,500	4,200	56.0	58.0	252,000	243,600
McLeod	4,600	3,000	3,700	2,800	65.0	82.0	240,500	229,600
Meeker	3,200	2,900	2,400	2,700	52.0	71.0	124,800	191,700
Morrison	9,600	8,500	7,600	7,600	55.0	69.0	418,000	524,400
Renville	1,800	--	1,400	--	76.0	--	106,400	--
Scott	3,600	2,300	2,300	2,200	56.0	66.0	128,800	145,200
Sherburne	1,000	--	500	--	45.0	--	22,500	--
Sibley	3,900	2,400	2,500	2,300	64.0	70.0	160,000	161,000
Stearns	31,200	25,800	24,500	24,700	57.0	69.0	1,396,500	1,704,300
Todd	16,500	14,900	12,900	13,800	50.0	61.0	645,000	841,800
Wadena	5,800	4,800	5,300	4,100	56.0	56.0	296,800	229,600
Wright	5,900	4,000	3,600	3,200	50.0	67.0	180,000	214,400
Other Counties	--	2,100	--	1,900	--	75.2	--	142,900
Central	102,400	82,700	77,300	76,000	55.5	67.3	4,290,400	5,112,700

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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OATS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Aitkin	1,900	1,400	1,000	900	47.0	49.0	47,000	44,100
Anoka	--	1,100	--	1,000	--	50.0	--	50,000
Chisago	2,600	1,700	1,400	1,600	44.0	64.0	61,600	102,400
Crow Wing	2,800	2,600	2,100	2,300	49.0	61.0	102,900	140,300
Hennepin	2,600	--	1,900	--	51.0	--	96,900	--
Isanti	1,800	1,400	800	1,300	52.0	56.0	41,600	72,800
Kanabec	3,300	2,300	1,800	1,900	55.0	65.0	99,000	123,500
Mille Lacs	2,600	2,000	1,900	1,900	46.0	61.0	87,400	115,900
Pine	4,500	3,500	2,700	2,900	52.0	68.0	140,400	197,200
Washington	2,100	1,400	1,300	1,300	47.0	48.0	61,100	62,400
Other Counties	1,400	1,700	900	1,300	54.9	45.9	49,400	59,700
East Central	25,600	19,100	15,800	16,400	49.8	59.0	787,300	968,300
Lincoln	2,500	3,300	2,000	3,200	62.0	81.0	124,000	259,200
Lyon	2,100	2,000	1,700	1,900	73.0	73.0	124,100	138,700
Murray	3,500	2,700	2,800	2,600	64.0	71.0	179,200	184,600
Nobles	2,900	2,500	2,600	2,100	77.0	85.0	200,200	178,500
Pipestone	3,900	3,300	2,800	2,700	64.0	61.0	179,200	164,700
Redwood	1,900	1,500	1,300	1,400	70.0	86.0	91,000	120,400
Rock	1,700	2,000	1,400	1,900	75.0	84.0	105,000	159,600
Other Counties	2,100	1,500	1,500	1,400	69.4	70.0	104,100	98,000
Southwest	20,600	18,800	16,100	17,200	68.7	75.8	1,106,800	1,303,700
Brown	5,500	3,000	3,200	2,800	65.0	58.0	208,000	162,400
Faribault	1,400	1,100	1,200	1,000	77.0	55.0	92,400	55,000
Freeborn	2,900	2,000	2,300	1,800	68.0	61.0	156,400	109,800
Le Sueur	2,300	1,600	1,100	1,300	67.0	72.0	73,700	93,600
Martin	1,900	1,400	1,600	1,300	75.0	64.0	120,000	83,200
Nicollet	3,000	1,600	1,600	1,500	73.0	84.0	116,800	126,000
Rice	4,100	3,100	2,900	2,600	68.0	60.0	197,200	156,000
Steele	3,300	2,500	2,700	2,200	72.0	67.0	194,400	147,400
Waseca	1,300	1,100	1,000	1,000	78.0	84.0	78,000	84,000
Other Counties	2,000	1,300	1,500	1,200	69.8	65.3	104,700	78,400
South Central	27,700	18,700	19,100	16,700	70.2	65.6	1,341,600	1,095,800
Dakota	2,200	1,900	1,800	1,700	72.0	64.0	129,600	108,800
Dodge	3,600	3,000	2,000	2,300	71.0	64.0	142,000	147,200
Fillmore	13,000	9,700	7,800	7,800	66.0	65.0	514,800	507,000
Goodhue	9,000	7,000	6,000	6,300	69.0	66.0	414,000	415,800
Houston	9,900	8,900	5,000	5,500	62.0	55.0	310,000	302,500
Mower	4,200	2,700	3,200	2,600	72.0	63.0	230,400	163,800
Olmsted	7,800	5,900	5,600	5,400	63.0	66.0	352,800	356,400
Wabasha	8,900	7,500	6,000	7,000	69.0	65.0	414,000	455,000
Winona	11,800	9,500	7,300	6,600	61.0	57.0	445,300	376,200
Southeast	70,400	56,100	44,700	45,200	66.1	62.7	2,952,900	2,832,700
Minnesota	400,000	350,000	300,000	310,000	58.0	63.0	17,400,000	19,530,000

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.

ALL HAY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998
	Acres		Tons		Tons	
Becker	54,700	56,000	2.6	2.3	141,700	130,500
Clay	27,600	25,200	2.6	2.4	72,200	59,600
Clearwater	59,600	56,900	2.1	2.1	122,800	119,500
Kittson	28,100	24,200	2.2	2.1	61,600	50,200
Mahnomen	20,000	23,500	2.5	2.7	49,600	63,500
Marshall	46,500	41,600	2.2	2.0	104,600	83,500
Norman	18,100	18,200	3.1	2.9	56,400	52,800
Pennington	31,600	33,600	2.5	2.4	80,000	81,200
Polk	51,500	54,400	2.5	2.5	128,500	137,800
Red Lake	20,200	24,700	2.7	2.5	55,000	61,800
Roseau	72,600	68,800	2.0	2.1	147,100	142,200
Northwest	430,500	427,100	2.4	2.3	1,019,500	982,600
Beltrami	61,300	62,700	2.0	2.1	125,500	133,000
Cass	57,600	55,400	2.0	1.9	112,900	107,300
Hubbard	23,400	27,000	1.8	1.6	43,200	43,900
Itasca	32,800	33,500	1.7	1.6	55,800	54,400
Koochiching	22,800	23,400	1.6	1.3	37,000	31,300
Lake of the Woods	21,000	21,300	2.0	1.8	41,400	37,300
North Central	218,900	223,300	1.9	1.8	415,800	407,200
St. Louis	58,100	54,300	1.5	1.4	85,900	78,700
Other Counties	2,400	2,500	1.5	1.3	3,500	3,300
Northeast	60,500	56,800	1.5	1.4	89,400	82,000
Big Stone	6,700	6,200	3.2	3.1	21,300	19,300
Chippewa	6,600	7,400	3.4	3.6	22,200	26,700
Douglas	35,300	36,900	3.1	3.0	107,800	109,500
Grant	8,000	8,800	3.6	3.9	28,400	34,700
Lac Qui Parle	13,500	15,100	3.2	3.2	43,700	48,100
Otter Tail	125,800	134,200	2.9	3.2	364,100	427,500
Pope	29,300	27,500	3.3	3.8	97,700	105,100
Stevens	9,100	10,800	3.5	3.9	31,700	42,200
Swift	14,300	13,600	3.3	3.4	47,500	46,100
Traverse	9,300	10,400	2.9	3.6	27,000	37,800
Wilkin	8,600	9,400	2.7	2.6	23,400	24,300
Yellow Medicine	11,100	11,900	3.4	3.5	37,300	42,200
West Central	277,600	292,200	3.1	3.3	852,100	963,500
Benton	30,500	29,500	2.9	3.4	87,900	99,500
Carver	23,600	22,700	3.6	4.5	84,200	101,100
Kandiyohi	26,300	26,900	3.4	4.3	89,400	115,400
McLeod	19,300	20,100	3.7	4.1	71,700	83,000
Meeker	17,900	16,700	3.6	4.0	64,200	67,600
Morrison	75,300	80,600	2.7	2.9	205,300	237,700
Renville	9,800	9,300	3.7	4.5	36,300	41,500
Scott	15,600	15,600	3.3	3.6	50,900	56,900
Sherburne	9,100	7,900	2.7	2.8	25,000	22,100
Sibley	13,800	12,100	3.7	4.2	50,900	50,400
Stearns	114,800	123,300	3.3	4.1	382,600	503,100
Todd	77,500	76,600	2.7	2.5	208,400	193,700
Wadena	35,600	39,500	2.4	2.3	86,000	91,500
Wright	33,500	34,500	3.3	3.8	110,900	130,900
Central	502,600	515,300	3.1	3.5	1,553,700	1,794,400

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.

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ALL HAY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998
	Acres		Tons		Tons	
Aitkin	47,900	51,700	1.8	1.5	87,700	77,200
Carlton	33,900	34,800	1.7	1.6	56,100	56,600
Chisago	21,900	18,400	2.3	2.9	51,300	52,500
Crow Wing	29,900	30,200	1.9	1.9	57,100	57,500
Hennepin	11,000	14,300	3.1	3.0	33,700	43,000
Isanti	14,500	14,000	2.4	2.6	35,300	36,300
Kanabec	29,700	29,500	1.8	2.2	54,500	65,400
Mille Lacs	31,300	32,900	2.2	2.5	67,500	83,600
Pine	57,300	59,000	1.9	2.2	106,800	129,700
Washington	16,400	16,400	2.4	2.6	40,000	42,100
Other Counties	10,100	10,600	2.5	3.2	25,600	33,700
East Central	303,900	311,800	2.0	2.2	615,600	677,600
Cottonwood	6,600	7,600	2.9	3.2	19,200	24,500
Jackson	5,500	6,100	2.6	2.8	14,100	17,200
Lincoln	22,100	25,700	3.1	3.4	68,700	87,600
Lyon	14,100	16,100	3.2	3.7	45,400	59,900
Murray	14,500	14,500	3.4	3.8	49,800	55,100
Nobles	10,200	13,400	3.5	3.9	36,000	51,700
Pipestone	20,700	22,400	3.1	3.2	63,600	71,100
Redwood	9,200	9,900	3.1	4.5	28,900	44,200
Rock	12,200	12,500	3.4	3.6	41,100	45,300
Southwest	115,100	128,200	3.2	3.6	366,800	456,600
Blue Earth	6,800	6,600	3.4	3.4	22,800	22,400
Brown	14,800	16,400	3.8	4.0	56,600	65,200
Faribault	3,800	3,800	3.0	3.0	11,300	11,400
Freeborn	10,100	10,400	3.1	3.5	31,200	35,900
Le Sueur	11,400	11,800	3.2	3.6	36,500	42,700
Martin	5,700	7,100	3.4	3.1	19,200	21,900
Nicollet	8,200	9,100	3.9	4.2	32,100	38,500
Rice	20,100	22,000	3.3	3.5	66,200	78,000
Steele	13,900	13,600	3.4	3.8	47,100	51,100
Waseca	7,800	9,700	3.6	3.5	28,400	33,500
Watonwan	2,700	2,700	3.3	3.6	8,900	9,600
South Central	105,300	113,200	3.4	3.6	360,300	410,200
Dakota	14,900	14,600	3.4	3.9	50,300	56,300
Dodge	13,300	14,700	3.2	3.6	42,200	53,400
Fillmore	55,500	57,500	3.5	4.2	196,200	241,600
Goodhue	45,300	47,300	3.8	4.5	170,100	213,500
Houston	44,500	44,900	3.6	3.8	159,900	169,600
Mower	14,600	14,000	3.6	3.8	52,900	52,900
Olmsted	32,900	35,600	3.7	4.1	120,500	145,800
Wabasha	40,500	44,500	3.7	3.7	149,200	166,400
Winona	49,100	59,000	3.7	4.0	183,500	236,400
Southeast	310,600	332,100	3.6	4.0	1,124,800	1,335,900
Minnesota	2,325,000	2,400,000	2.8	3.0	6,398,000	7,110,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.

ALFALFA HAY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Becker	37,800	40,900	2.9	2.6	109,600	106,300
Clay	18,100	16,200	3.1	2.9	56,100	47,000
Clearwater	34,300	34,100	2.4	2.5	82,300	85,300
Kittson	16,600	13,900	2.6	2.5	43,200	34,800
Mahnomen	15,500	17,600	2.7	3.1	41,900	54,600
Marshall	26,200	25,500	2.6	2.2	68,100	56,100
Norman	15,100	15,000	3.4	3.2	51,300	48,000
Pennington	21,000	24,800	2.8	2.6	58,800	64,500
Polk	30,600	37,500	2.9	3.0	88,800	112,500
Red Lake	15,100	17,700	2.9	2.9	43,800	51,300
Roseau	34,700	39,100	2.6	2.5	90,200	97,700
Northwest	265,000	282,300	2.8	2.7	734,100	758,100
Beltrami	34,200	33,000	2.4	2.5	82,100	82,500
Cass	15,000	16,500	2.7	2.5	40,500	41,200
Hubbard	9,000	11,000	2.4	2.1	21,600	23,100
Itasca	6,600	6,800	2.9	2.9	19,100	19,700
Koochiching	9,500	10,500	1.8	1.5	17,100	15,800
Lake of the Woods	9,700	10,700	2.4	2.1	23,300	22,500
North Central	84,000	88,500	2.4	2.3	203,700	204,800
St. Louis	5,700	4,500	2.2	2.0	12,500	9,000
Other Counties	100	300	2.0	2.0	200	600
Northeast	5,800	4,800	2.2	2.0	12,700	9,600
Big Stone	4,600	4,200	3.8	3.6	17,500	15,100
Chippewa	5,300	6,100	3.7	3.9	19,600	23,800
Douglas	27,600	28,700	3.4	3.1	93,900	89,000
Grant	7,200	8,000	3.7	4.1	26,600	32,800
Lac Qui Parle	10,000	11,200	3.7	3.6	37,000	40,300
Otter Tail	104,300	112,100	3.1	3.4	323,300	381,100
Pope	22,200	19,500	3.7	4.2	82,100	81,900
Stevens	8,300	10,000	3.6	4.0	29,900	40,000
Swift	11,600	11,000	3.6	3.6	41,800	39,600
Traverse	7,200	8,500	3.2	4.0	23,000	34,000
Wilkin	5,700	6,900	3.3	2.9	18,800	20,000
Yellow Medicine	8,400	9,400	3.8	3.9	31,900	36,700
West Central	222,400	235,600	3.4	3.5	745,400	834,300
Benton	19,900	20,700	3.3	4.0	65,700	82,800
Carver	19,700	19,300	3.8	4.8	74,800	92,600
Kandiyohi	22,600	23,100	3.6	4.7	81,300	108,600
McLeod	14,000	15,100	4.1	4.7	57,400	71,000
Meeker	14,400	13,400	3.9	4.5	56,200	60,300
Morrison	42,100	45,000	3.3	3.7	138,900	166,500
Renville	8,300	7,500	4.0	4.9	33,200	36,800
Scott	12,200	12,100	3.5	4.1	42,700	49,600
Sherburne	7,300	6,400	3.0	3.0	21,900	19,200
Sibley	10,600	9,200	4.1	4.6	43,500	42,300
Stearns	92,900	102,600	3.6	4.4	334,400	451,400
Todd	53,000	43,800	3.1	3.0	164,300	131,400
Wadena	21,200	18,700	2.9	3.0	61,500	56,100
Wright	28,600	28,600	3.5	4.1	100,100	117,300
Central	366,800	365,500	3.5	4.1	1,275,900	1,485,900

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.

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ALFALFA HAY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District 1/	Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Aitkin	7,800	6,800	2.5	2.1	19,500	14,300
Carlton	7,600	9,500	2.2	2.5	16,700	23,700
Chisago	10,800	9,800	2.9	3.6	31,300	35,300
Crow Wing	7,800	10,100	2.5	2.5	19,500	25,300
Hennepin	8,500	10,600	3.4	3.5	28,900	37,100
Isanti	9,000	8,800	3.0	3.0	27,000	26,400
Kanabec	8,700	8,500	2.4	3.5	20,900	29,700
Mille Lacs	14,300	14,100	2.7	3.4	38,600	47,900
Pine	18,900	22,900	2.6	3.3	49,200	75,600
Washington	8,900	8,400	2.9	3.2	25,800	26,900
Other Counties	6,200	7,000	3.0	3.8	18,600	26,600
<u>East Central</u>	108,500	116,500	2.7	3.2	296,000	368,800
Cottonwood	4,200	5,000	3.3	3.8	13,900	19,000
Jackson	3,000	3,800	3.3	3.5	9,900	13,300
Lincoln	15,700	19,400	3.6	3.8	56,500	73,700
Lyon	11,100	13,200	3.6	4.1	40,000	54,100
Murray	11,100	10,700	3.9	4.4	43,300	47,100
Nobles	7,700	9,700	4.0	4.5	30,800	43,600
Pipestone	15,500	17,100	3.4	3.6	52,700	61,600
Redwood	7,500	8,400	3.4	4.9	25,500	41,200
Rock	8,400	8,100	3.9	4.4	32,700	35,600
<u>Southwest</u>	84,200	95,400	3.6	4.1	305,300	389,200
Blue Earth	4,200	4,100	3.7	3.8	15,500	15,600
Brown	12,000	13,100	4.2	4.4	50,400	57,600
Faribault	2,300	2,000	3.4	4.1	7,800	8,200
Freeborn	7,100	6,600	3.5	4.0	24,900	26,400
Le Sueur	8,600	8,200	3.5	4.2	30,100	34,400
Martin	3,800	4,400	4.0	4.0	15,200	17,600
Nicollet	6,900	7,900	4.2	4.5	29,000	35,500
Rice	14,200	16,400	3.7	3.9	52,600	64,000
Steele	10,600	10,100	3.7	4.2	39,200	42,400
Waseca	6,000	7,500	3.9	3.7	23,400	27,800
Watsonwan	1,900	1,800	3.7	4.2	7,000	7,600
<u>South Central</u>	77,600	82,100	3.8	4.1	295,100	337,100
Dakota	12,100	11,500	3.6	4.3	43,600	49,500
Dodge	9,900	11,700	3.5	4.0	34,700	46,800
Fillmore	45,000	46,800	3.8	4.5	171,000	210,600
Goodhue	40,200	42,900	3.9	4.7	156,800	201,600
Houston	36,900	35,800	3.8	4.0	140,200	143,200
Mower	11,800	11,600	3.8	4.0	44,800	46,400
Olmsted	27,700	29,600	3.9	4.4	108,000	130,200
Wabasha	34,700	38,600	3.9	3.9	135,300	150,500
Winona	42,400	50,800	3.9	4.2	165,400	213,400
<u>Southeast</u>	260,700	279,300	3.8	4.3	999,800	1,192,200
<u>Minnesota</u>	1,475,000	1,550,000	3.3	3.6	4,868,000	5,580,000

1/ Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties.

BARLEY: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	9,600	5,900	8,900	5,800	52.0	48.0	462,800	278,400
Clay	27,700	24,300	25,800	24,100	54.0	46.0	1,393,200	1,108,600
Clearwater	4,300	3,900	3,800	3,600	39.0	49.0	148,200	176,400
Kittson	30,500	36,000	28,500	35,600	54.0	67.0	1,539,000	2,385,200
Mahnomen	15,300	10,100	14,500	9,900	50.0	57.0	725,000	564,300
Marshall	74,000	82,200	68,300	77,700	52.0	56.0	3,551,600	4,351,200
Norman	39,600	27,800	37,400	27,600	46.0	47.0	1,720,400	1,297,200
Pennington	41,700	27,500	38,000	27,300	43.0	48.0	1,634,000	1,310,400
Polk	85,800	71,300	81,500	71,000	53.0	60.0	4,319,500	4,260,000
Red Lake	22,000	18,900	19,300	17,000	48.0	50.0	926,400	850,000
Roseau	42,000	34,100	39,800	29,800	51.0	46.0	2,029,800	1,370,800
Northwest	392,500	342,000	365,800	329,400	50.4	54.5	18,449,900	17,952,500
Beltrami	2,900	3,200	2,600	2,800	40.0	38.0	104,000	106,400
Lake of the Woods	3,200	2,700	3,000	2,600	54.0	47.0	162,000	122,200
Other Counties	2,500	1,800	2,000	1,700	42.9	43.4	85,800	73,800
North Central	8,600	7,700	7,600	7,100	46.3	42.6	351,800	302,400
St Louis	1,000	--	800	--	37.0	--	29,600	--
Other Counties	--	400	--	400	--	39.0	--	15,600
Northeast	1,000	400	800	400	37.0	39.0	29,600	15,600
Douglas	2,900	2,900	2,700	2,600	48.0	55.0	129,600	143,000
Grant	5,100	4,200	4,900	4,000	65.0	67.0	318,500	268,000
Otter Tail	10,600	8,200	9,700	8,000	52.0	52.0	504,400	416,000
Traverse	3,400	4,500	3,200	4,500	61.0	67.0	195,200	301,500
Wilkin	15,500	16,600	14,900	16,300	62.0	66.0	923,800	1,075,800
Other Counties	3,000	2,400	2,800	2,200	52.6	57.9	147,400	127,400
West Central	40,500	38,800	38,200	37,600	58.1	62.0	2,218,900	2,331,700
Benton	1,400	1,100	1,300	1,000	40.0	62.0	52,000	62,000
Meeker	1,400	1,400	1,000	1,300	49.0	60.0	49,000	78,000
Morrison	2,800	2,200	2,500	1,900	49.0	50.0	122,500	95,000
Stearns	8,900	9,700	7,500	8,000	48.0	52.0	360,000	416,000
Todd	8,500	6,100	7,300	5,900	47.0	57.0	343,100	336,300
Wadena	1,600	2,200	1,400	2,100	55.0	51.0	77,000	107,100
Wright	1,100	1,200	900	900	45.0	57.0	40,500	51,300
Other Counties	3,600	3,500	2,900	2,800	46.3	57.4	134,300	160,600
Central	29,300	27,400	24,800	23,900	47.5	54.7	1,178,400	1,306,300
Kanabec	1,100	--	1,000	--	43.0	--	43,000	--
Other Counties	3,500	3,800	3,100	3,300	39.6	54.3	122,800	179,200
East Central	4,600	3,800	4,100	3,300	40.4	54.3	165,800	179,200
Pipestone	1,200	1,800	800	1,100	55.0	67.0	44,000	73,700
Other Counties	2,800	3,000	2,300	2,300	50.7	55.0	116,700	126,600
Southwest	4,000	4,800	3,100	3,400	51.8	58.9	160,700	200,300
Other Counties	2,800	2,400	2,200	1,500	57.4	55.7	126,300	83,500
South Central	2,800	2,400	2,200	1,500	57.4	55.7	126,300	83,500
Fillmore	3,600	2,400	2,900	1,200	62.0	59.0	179,800	70,800
Goodhue	4,400	3,100	4,000	2,300	56.0	55.0	224,000	126,500
Houston	1,700	1,400	1,300	700	54.0	54.0	70,200	37,800
Wabasha	2,400	1,900	2,000	1,600	58.0	48.0	116,000	76,800
Winona	1,900	1,600	1,300	1,000	58.0	59.0	75,400	59,000
Other Counties	2,700	2,300	1,900	1,600	59.6	51.6	113,200	82,600
Southeast	16,700	12,700	13,400	8,400	58.1	54.0	778,600	453,500
Minnesota	500,000	440,000	460,000	415,000	51.0	55.0	23,460,000	22,825,000

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.

RYE: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1997-98

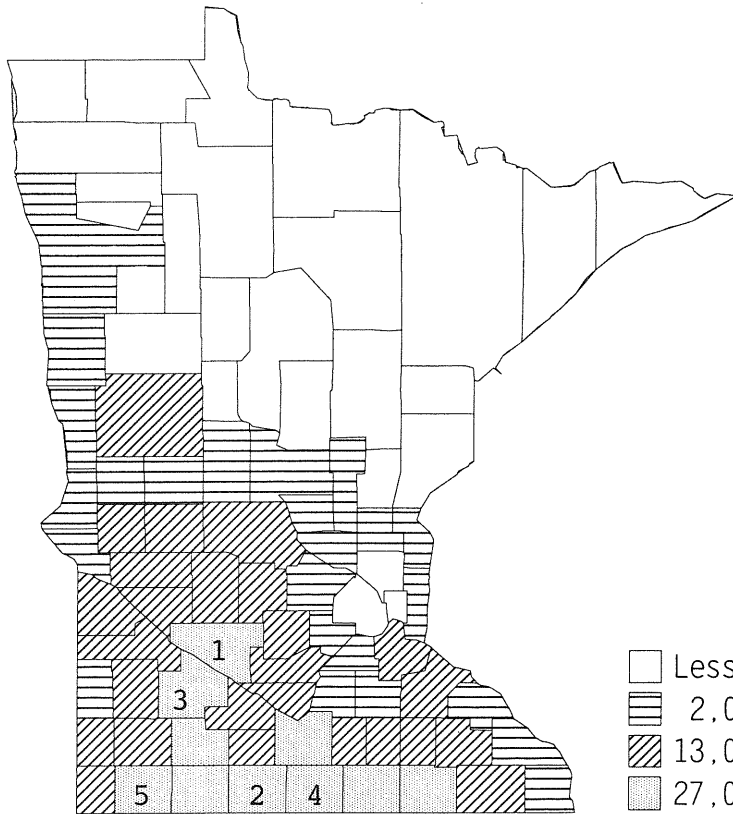
County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Kittson	--	2,800	--	2,700	--	24.0	--	64,800
Marshall	1,500	2,500	1,400	2,400	28.0	33.0	39,200	79,200
Red Lake	--	1,800	--	1,800	--	32.0	--	57,600
Roseau	--	1,100	--	1,100	--	32.0	--	35,200
Other Counties	2,200	1,800	1,900	1,800	31.4	30.2	59,600	54,400
<u>Northwest</u>	3,700	10,000	3,300	9,800	29.9	29.7	98,800	291,200
Other Counties	1,100	1,700	900	1,300	30.0	32.3	27,000	42,000
<u>West Central</u>	1,100	1,700	900	1,300	30.0	32.3	27,000	42,000
Benton	--	1,100	--	1,100	--	25.0	--	27,500
Morrison	2,200	3,400	2,100	3,100	27.0	34.0	56,700	105,400
Sherburne	2,600	2,200	1,700	1,700	16.0	24.0	27,200	40,800
Stearns	1,700	1,800	1,600	1,600	24.0	38.0	38,400	60,800
Todd	1,100	1,300	1,000	1,200	23.0	35.0	23,000	42,000
Other Counties	1,600	1,300	1,300	1,100	23.4	33.3	30,400	36,600
<u>Central</u>	9,200	11,100	7,700	9,800	22.8	31.9	175,700	313,100
Anoka	1,200	--	800	--	21.0	--	16,800	--
Isanti	1,700	2,000	1,200	1,900	17.0	34.0	20,400	64,600
Other Counties	1,200	3,300	700	2,900	21.0	29.9	14,700	86,800
<u>East Central</u>	4,100	5,300	2,700	4,800	19.2	31.5	51,900	151,400
<u>Other Districts</u>	1,900	1,900	1,400	1,300	33.3	30.2	46,600	39,300
<u>Minnesota</u>	20,000	30,000	16,000	27,000	25.0	31.0	400,000	837,000

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.



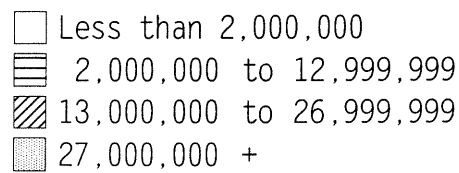
CORN

BusheIs Produced in 1998



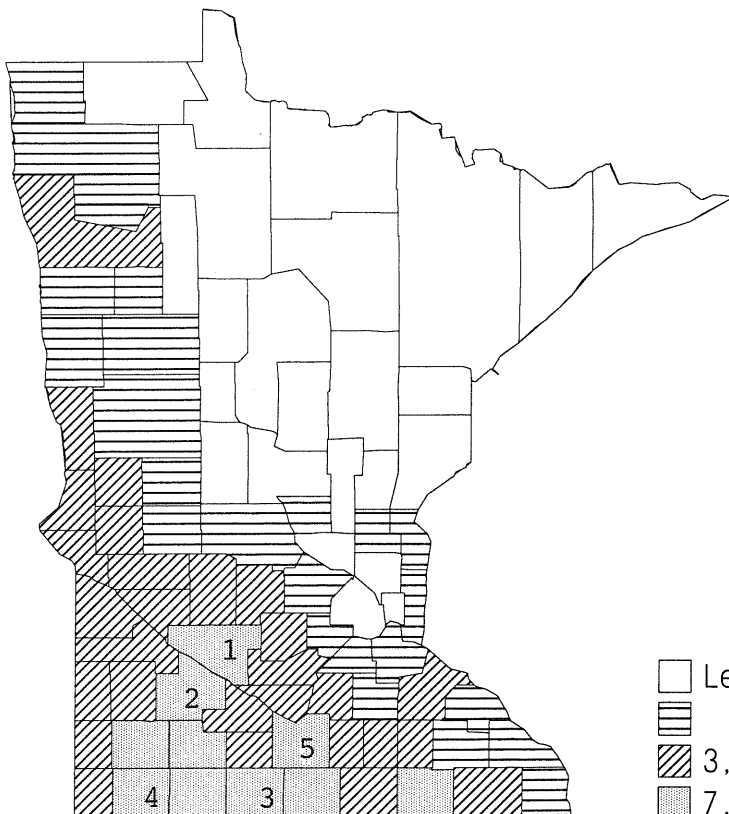
Top Five
Production
Counties
For 1998

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



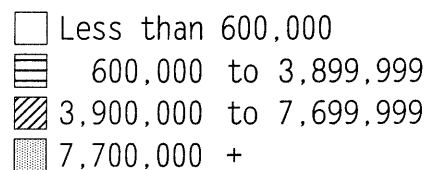
SOYBEANS

BusheIs Produced in 1998



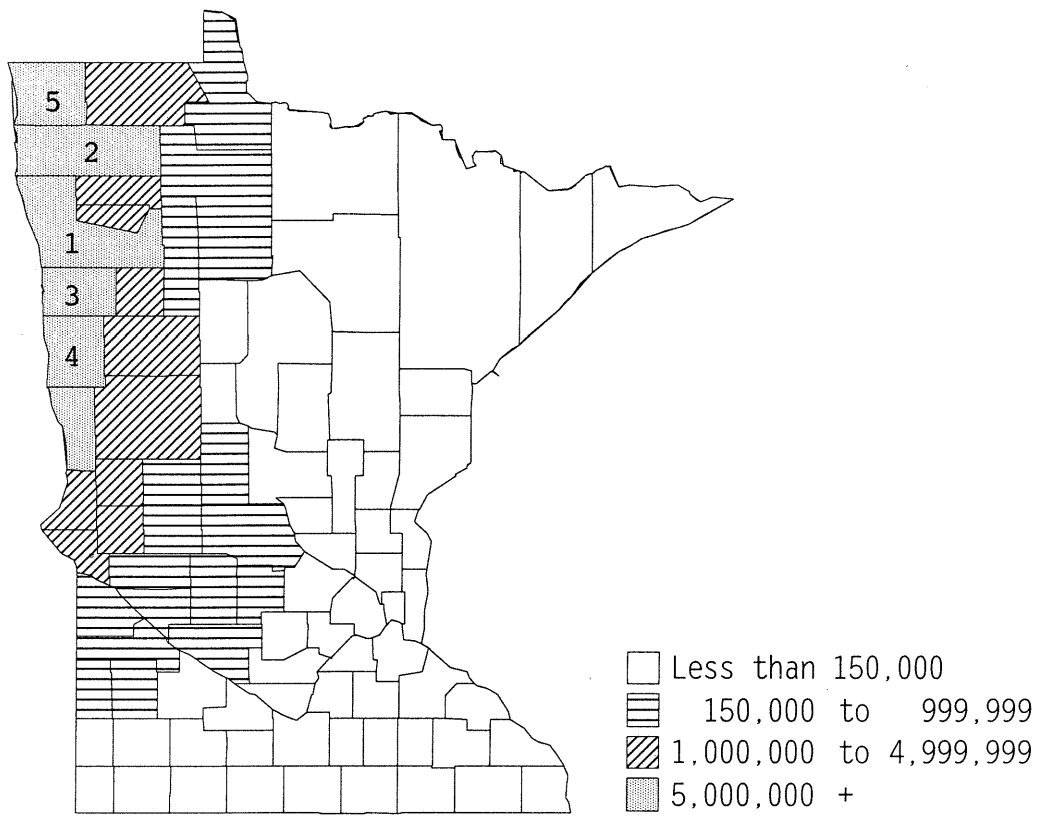
Top Five
Production
Counties
For 1998

1-Renville
2-Redwood
3-Martin
4-Nobles
5-Blue Earth



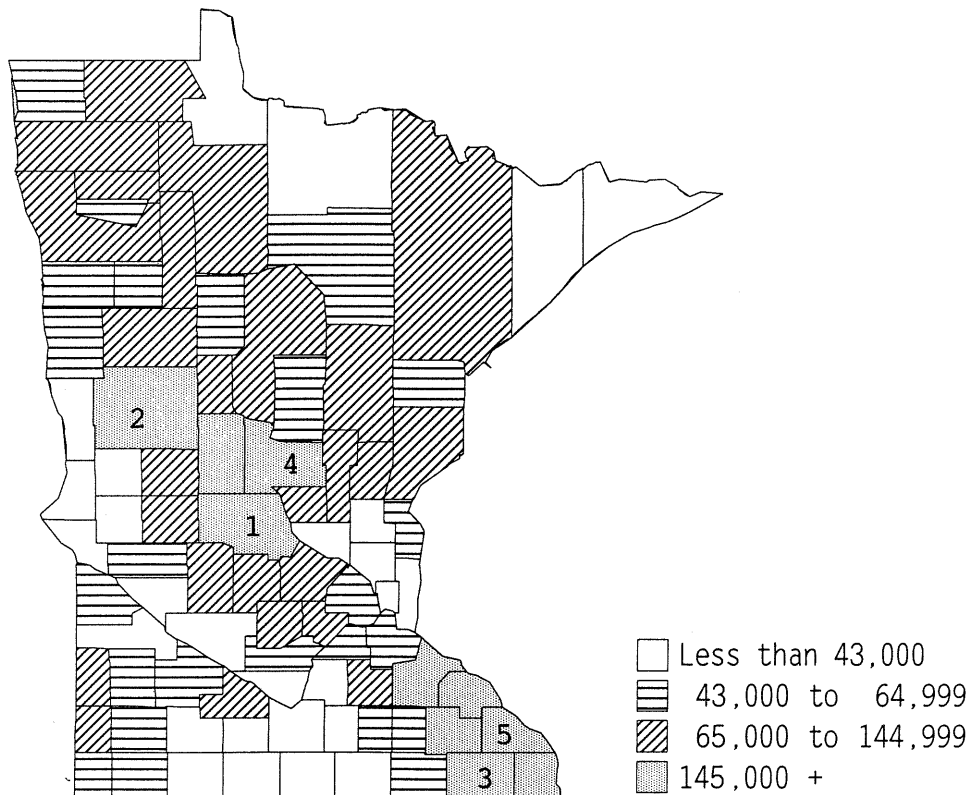
ALL WHEAT

BusheIs Produced in 1998



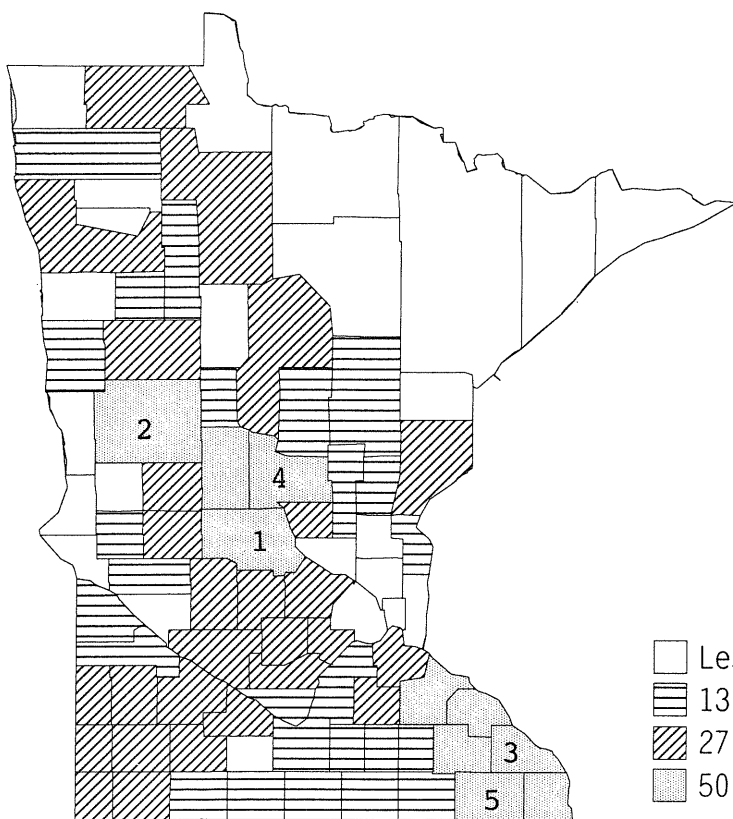
ALL HAY

Tons Produced in 1998



ALL CATTLE & CALVES

Number of Head, January 1, 1999

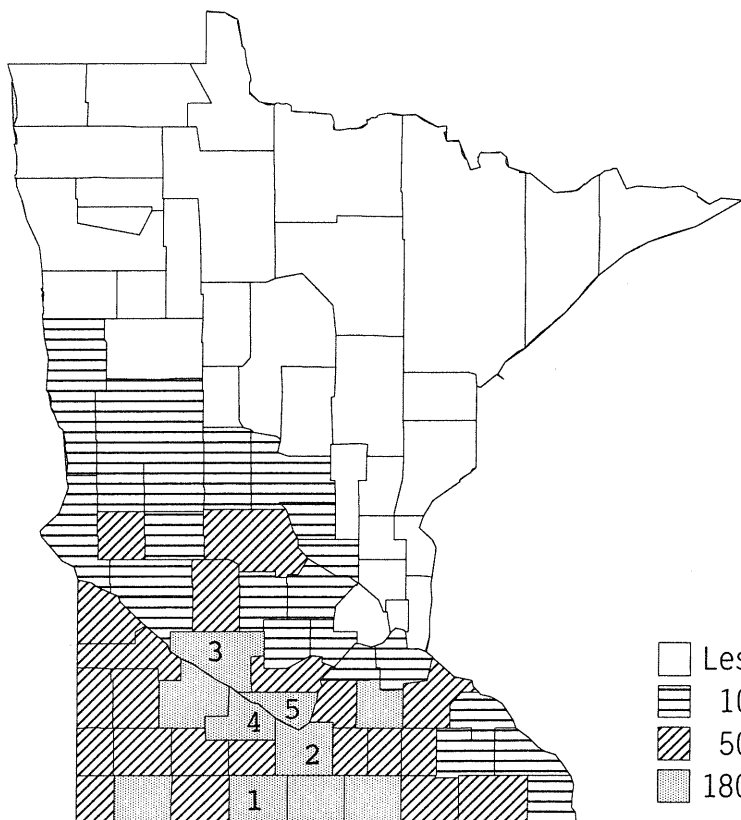


Top Five
All Cattle
& Calves
Counties
For 1998

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

ALL HOGS

Number of Head, December 1, 1998

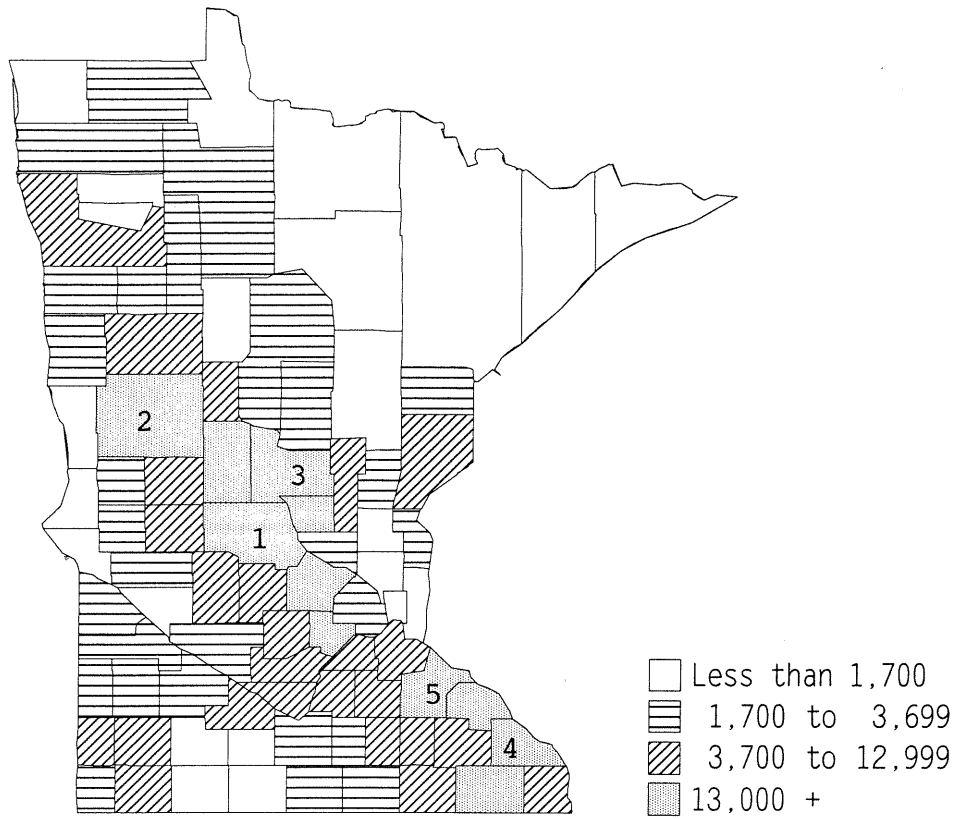


Top Five
All Hogs
Counties
For 1998

1-Martin
2-Blue Earth
3-Renville
4-Brown
5-Nicollet

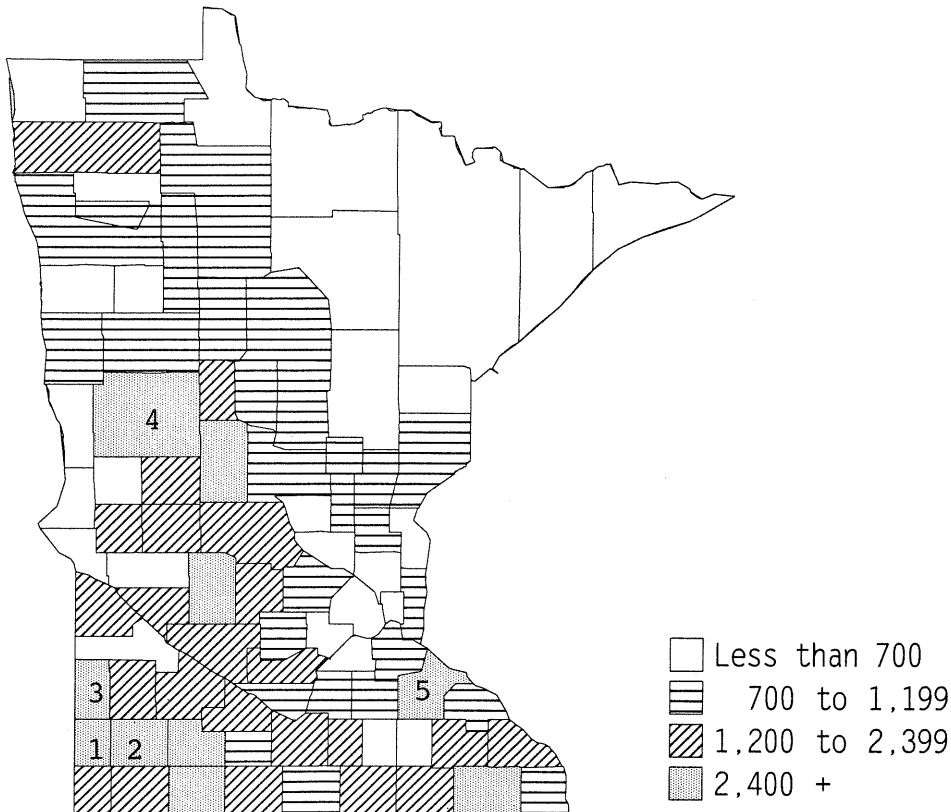
MILK COWS

Number of Head, January 1, 1999



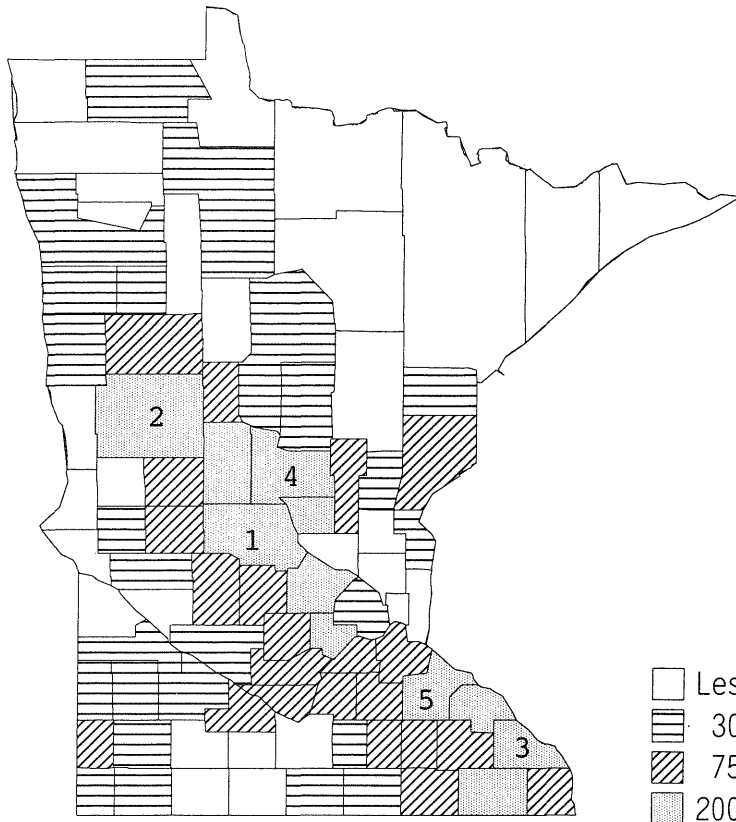
ALL BREEDING SHEEP & LAMBS

Number of Head, January 1, 1999



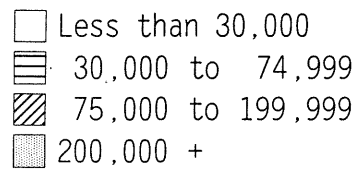
MILK PRODUCTION

Thousand Pounds Produced in 1998



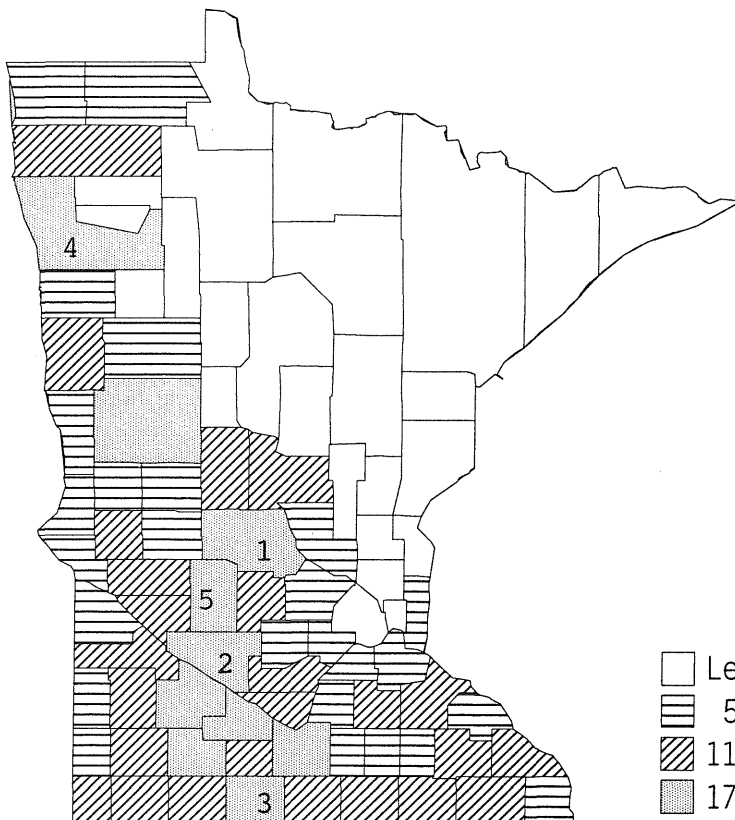
Top Five
Counties
For 1998

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



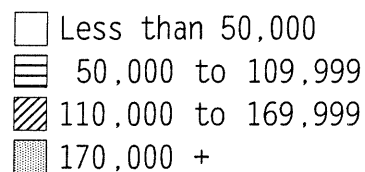
CASH FARM RECEIPTS

Thousands of Dollars in 1997



Top Five
Counties
for 1997

- 1-Stearns
- 2-Renville
- 3-Martin
- 4-Polk
- 5-Kandiyohi



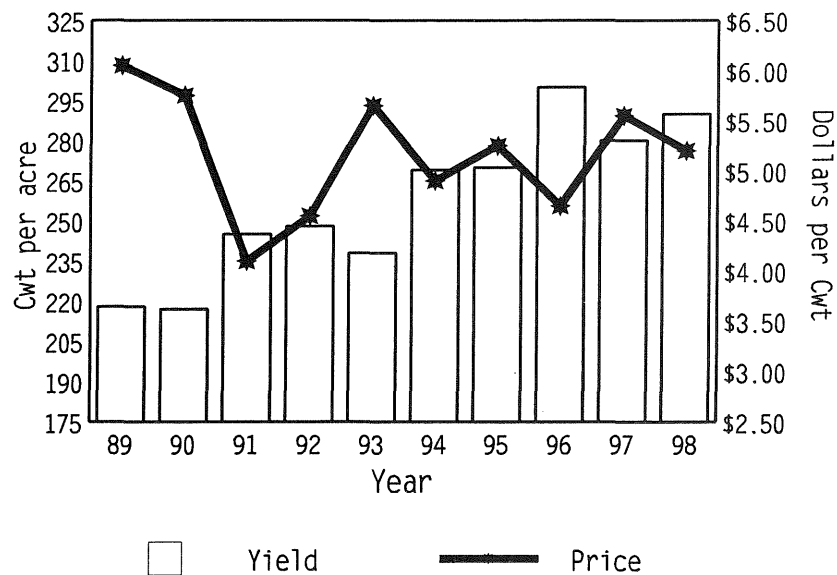
POTATOES: ACREAGE, YIELD, AND PRODUCTION, BY SELECTED COUNTIES, MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	Acres		Acres		Cwt		Cwt	
Clay	4,000	5,500	3,800	3,700	190	180	722,000	666,000
Kittson	2,100	2,500	1,900	1,900	200	145	380,000	275,500
Marshall	5,800	5,900	5,500	3,900	175	115	962,500	448,500
Polk	13,500	12,200	12,300	10,800	205	190	2,521,500	2,052,000
Red Lake	1,200	1,500	1,100	1,300	185	170	203,500	221,000
Morrison	3,900	4,000	3,800	3,900	390	410	1,482,000	1,599,000
Sherburne	6,300	6,600	6,200	6,400	305	330	1,891,000	2,112,000
Todd	2,900	3,000	2,900	2,900	370	390	1,073,000	1,131,000
Freeborn	3,100	3,000	3,100	2,700	230	180	713,000	486,000
All Other Counties	34,200	37,800	32,400	35,500	324	343	10,491,500	12,179,000
Minnesota	77,000	82,000	73,000	73,000	280	290	20,440,000	21,170,000

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, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Becker	4,700	7,300	4,600	7,000	21.1	23.7	97,200	165,700
Clay	66,300	65,500	64,600	58,100	19.0	18.4	1,224,500	1,068,400
Kittson	29,700	32,500	29,200	32,100	16.5	21.7	482,100	696,700
Mahnomen	2,200	5,500	2,200	5,400	22.0	24.2	48,500	130,800
Marshall	34,600	39,700	34,400	38,900	17.7	22.0	610,000	854,500
Norman	43,500	43,500	41,400	40,800	17.4	21.3	721,300	870,800
Polk	101,800	102,500	101,000	101,400	19.5	23.6	1,966,000	2,392,600
Other Counties	1,100	1,300	1,100	1,300	19.5	21.8	21,400	28,300
Northwest	283,900	297,800	278,500	285,000	18.6	21.8	5,171,000	6,207,800
Chippewa	32,400	31,400	32,200	31,300	17.7	22.2	569,000	695,300
Grant	10,200	9,700	10,100	9,600	19.7	19.5	198,700	186,900
Otter Tail	2,900	3,200	2,900	3,200	19.6	20.2	56,700	64,600
Stevens	--	1,200	--	1,200	--	24.3	--	29,100
Swift	5,300	5,600	5,300	5,600	17.5	22.8	92,900	127,900
Traverse	6,900	8,200	6,800	8,000	18.6	16.7	126,800	133,900
Wilkin	40,500	45,000	40,200	44,000	19.0	18.5	763,200	815,600
Yellow Medicine	2,800	2,600	2,800	2,600	18.0	22.2	50,300	57,600
Other Counties	2,200	1,300	2,000	1,300	17.8	14.6	35,500	19,000
West Central	103,200	108,200	102,300	106,800	18.5	19.9	1,893,100	2,129,900
Kandiyohi	12,800	17,200	12,700	17,100	19.1	23.4	242,100	399,900
McLeod	3,100	1,800	3,100	1,800	17.0	20.1	52,700	36,200
Meeker	1,900	2,000	1,800	2,000	15.2	22.4	27,300	44,700
Renville	41,400	39,800	41,100	39,100	18.2	19.4	747,400	759,500
Sibley	3,300	2,800	3,200	2,800	16.4	20.4	52,600	57,200
Other Counties	300	200	300	200	18.3	26.5	5,500	5,300
Central	62,800	63,800	62,200	63,000	18.1	20.7	1,127,600	1,302,800
Redwood	2,400	3,000	2,300	3,000	19.7	21.6	45,400	64,700
Other Counties	500	--	500	--	20.6	--	10,300	--
Southwest	2,900	3,000	2,800	3,000	19.9	21.6	55,700	64,700
Other Districts	200	200	200	200	18.0	24.0	3,600	4,800
Minnesota	453,000	473,000	446,000	458,000	18.5	21.2	8,251,000	9,710,000

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.



**DRY EDIBLE BEANS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	Acres		Acres		Pounds		Cwt	
Becker	4,600	4,600	4,500	4,400	1,600	1,600	72,000	70,400
Clay	6,800	6,800	6,700	5,800	1,700	1,400	113,900	81,200
Kittson	4,500	6,400	4,100	5,700	1,400	1,400	57,400	79,800
Mahnomen	4,900	5,300	4,800	5,100	1,700	1,500	81,600	76,500
Marshall	20,700	25,000	18,300	18,200	1,300	1,100	237,900	200,200
Norman	6,200	9,200	5,500	8,400	1,300	1,100	71,500	92,400
Pennington	1,900	1,600	1,600	1,400	1,200	1,000	19,200	14,000
Polk	44,200	59,300	41,600	56,700	1,500	1,500	624,000	850,500
Other Counties	1,400	1,800	1,200	1,600	1,100	1,119	13,200	17,900
Northwest	95,200	120,000	88,300	107,300	1,462	1,382	1,290,700	1,482,900
Hubbard	9,800	8,500	9,600	8,400	1,500	1,400	144,000	117,600
Other Counties	1,100	1,300	1,000	1,200	1,460	1,150	14,600	13,800
North Central	10,900	9,800	10,600	9,600	1,496	1,369	158,600	131,400
Chippewa	1,500	1,900	1,400	1,800	1,800	1,900	25,200	34,200
Grant	6,400	3,000	6,200	2,900	1,700	1,800	105,400	52,200
Otter Tail	17,500	16,500	17,300	16,000	1,600	1,300	276,800	208,000
Pope	2,700	2,100	2,500	2,000	1,800	1,400	45,000	28,000
Stevens	1,300	--	1,300	--	1,700	--	22,100	--
Swift	3,900	2,900	3,700	2,800	1,600	1,700	59,200	47,600
Traverse	1,000	--	1,000	--	2,000	--	20,000	--
Wilkin	3,700	2,900	3,600	2,800	1,600	1,400	57,600	39,200
Other Counties	2,000	3,200	2,000	3,100	1,590	1,681	31,800	52,100
West Central	40,000	32,500	39,000	31,400	1,649	1,469	643,100	461,300
Kandiyohi	4,200	4,000	4,100	3,900	1,600	1,500	65,600	58,500
Morrison	4,500	4,000	4,400	3,900	1,800	1,800	79,200	70,200
Renville	4,900	3,700	4,300	3,600	1,800	2,000	77,400	72,000
Sherburne	1,700	2,500	1,600	2,400	1,900	1,900	30,400	45,600
Stearns	2,300	3,400	2,100	3,300	1,900	1,700	39,900	56,100
Todd	1,200	1,600	1,100	1,500	1,600	1,600	17,600	24,000
Wadena	5,400	5,400	5,100	5,200	1,700	1,700	86,700	88,400
Other Counties	2,500	1,600	2,400	1,500	1,554	1,833	37,300	27,500
Central	26,700	26,200	25,100	25,300	1,729	1,748	434,100	442,300
Other Districts	2,200	1,500	2,000	1,400	1,575	1,436	31,500	20,100
Minnesota	175,000	190,000	165,000	175,000	1,550	1,450	2,558,000	2,538,000

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ALL SUNFLOWERS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Pounds</u>		<u>Pounds</u>	
Clay	6,100	6,700	6,000	6,600	1,330	1,535	7,980,000	10,130,000
Kittson	13,400	11,000	12,200	10,400	979	1,367	11,945,000	14,220,000
Mahnomen	1,700	2,300	1,600	2,200	1,450	1,395	2,320,000	3,070,000
Marshall	17,300	16,600	16,200	16,300	1,058	1,286	17,135,000	20,955,000
Norman	4,700	7,300	4,500	7,000	979	1,389	4,405,000	9,720,000
Pennington	10,900	10,600	10,400	10,300	877	1,257	9,120,000	12,950,000
Polk	14,600	11,200	13,900	10,700	1,005	1,437	13,975,000	15,375,000
Red Lake	7,000	10,100	6,000	9,800	1,050	1,434	6,300,000	14,050,000
Roseau	16,900	37,900	16,400	36,500	1,188	1,200	19,475,000	43,800,000
Other Counties	900	3,000	900	2,800	1,400	1,389	1,260,000	3,890,000
<u>Northwest</u>	93,500	116,700	88,100	112,600	1,066	1,316	93,915,000	148,160,000
Other Counties	1,000	1,000	800	900	1,000	1,194	800,000	1,075,000
<u>North Central</u>	1,000	1,000	800	900	1,000	1,194	800,000	1,075,000
Otter Tail	2,800	3,200	2,700	3,000	1,256	1,500	3,390,000	4,500,000
Wilkin	2,800	4,000	2,700	3,800	1,109	1,421	2,995,000	5,400,000
Other Counties	1,300	1,200	1,300	1,200	1,127	1,233	1,465,000	1,480,000
<u>West Central</u>	6,900	8,400	6,700	8,000	1,172	1,423	7,850,000	11,380,000
Morrison	--	1,400	--	1,200	--	1,300	--	1,560,000
Todd	--	1,400	--	1,300	--	1,300	--	1,690,000
Other Counties	2,900	200	2,800	200	1,075	1,250	3,010,000	250,000
<u>Central</u>	2,900	3,000	2,800	2,700	1,075	1,296	3,010,000	3,500,000
<u>Other District</u>	700	900	600	800	1,042	1,044	625,000	835,000
<u>Minnesota</u>	105,000	130,000	99,000	125,000	1,073	1,320	106,200,000	164,950,000

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**OIL SUNFLOWERS: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98**

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Pounds</u>		<u>Pounds</u>	
Clay	5,500	6,300	5,400	6,200	1,350	1,550	7,290,000	9,610,000
Kittson	7,600	3,800	7,100	3,600	1,000	1,400	7,100,000	5,040,000
Mahnomen	1,700	2,200	1,600	2,100	1,450	1,400	2,320,000	2,940,000
Marshall	14,200	13,000	13,700	12,800	1,050	1,350	14,385,000	17,280,000
Norman	2,700	2,800	2,600	2,700	1,000	1,450	2,600,000	3,915,000
Pennington	8,300	8,200	8,000	8,100	900	1,300	7,200,000	10,530,000
Polk	7,800	8,000	7,700	7,900	1,050	1,450	8,085,000	11,455,000
Red Lake	4,300	7,400	3,600	7,200	950	1,500	3,420,000	10,800,000
Roseau	12,400	24,100	12,300	23,200	1,250	1,200	15,375,000	27,840,000
Other Counties	800	2,600	800	2,400	1,438	1,429	1,150,000	3,430,000
Northwest	65,300	78,400	62,800	76,200	1,098	1,350	68,925,000	102,840,000
Otter Tail	2,500	3,200	2,400	3,000	1,250	1,500	3,000,000	4,500,000
Wilkin	2,300	3,200	2,200	3,000	1,100	1,400	2,420,000	4,200,000
Other Counties	1,200	1,100	1,200	1,100	1,142	1,227	1,370,000	1,350,000
West Central	6,000	7,500	5,800	7,100	1,171	1,415	6,790,000	10,050,000
Morrison	--	1,400	--	1,200	--	1,300	--	1,560,000
Todd	--	1,400	--	1,300	--	1,300	--	1,690,000
Other Counties	2,900	200	2,800	200	1,075	1,250	3,010,000	250,000
Central	2,900	3,000	2,800	2,700	1,075	1,296	3,010,000	3,500,000
Other Districts	800	1,100	600	1,000	792	1,060	475,000	1,060,000
Minnesota	75,000	90,000	72,000	87,000	1,100	1,350	79,200,000	117,450,000

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FLAX: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Kittson	1,400	8,100	1,400	7,600	20.0	20.0	28,000	152,000
Marshall	1,200	7,400	1,200	6,900	20.0	17.0	24,000	117,300
Pennington	--	1,200	--	1,000	--	13.0	--	13,000
Roseau	2,200	9,500	2,200	8,100	14.0	13.0	30,800	105,300
Other Counties	400	1,700	400	1,500	11.0	12.5	4,400	18,700
Northwest	5,200	27,900	5,200	25,100	16.8	16.2	87,200	406,300
Lake of the Woods	--	1,400	--	1,200	--	14.0	--	16,800
Other Counties	--	300	--	300	--	13.0	--	3,900
North Central	--	1,700	--	1,500	--	13.8	--	20,700
Other Districts	800	400	800	400	11.0	12.5	8,800	5,000
Minnesota	6,000	30,000	6,000	27,000	16.0	16.0	96,000	432,000

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SWEET CORN FOR PROCESSING: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	<u>Acres</u>		<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Pope	2,000	1,800	1,900	1,700	6.89	6.71	13,100	11,400
Other Counties	1,600	800	1,600	800	6.19	6.38	9,900	5,100
West Central	3,600	2,600	3,500	2,500	6.57	6.60	23,000	16,500
Kandiyohi	1,600	2,500	1,600	2,400	6.38	6.33	10,200	15,200
McLeod	3,000	3,000	2,900	2,900	5.82	6.21	16,880	18,000
Meeker	1,400	1,300	1,400	1,300	6.21	6.54	8,700	8,500
Renville	24,200	25,500	24,000	25,200	6.10	6.70	146,400	168,800
Sherburne	2,000	1,500	2,000	1,500	6.40	6.33	12,800	9,500
Sibley	6,700	7,400	6,600	7,200	5.91	6.22	39,000	44,800
Stearns	1,900	1,800	1,900	1,800	6.58	6.00	12,500	10,800
Other Counties	1,200	900	1,200	900	6.08	6.22	7,300	5,600
Central	42,000	43,900	41,600	43,200	6.10	6.51	253,780	281,200
Redwood	5,700	6,000	5,600	5,700	6.20	6.33	34,700	36,100
Other Counties	100	100	100	100	6.00	6.00	600	600
Southwest	5,800	6,100	5,700	5,800	6.19	6.33	35,300	36,700
Blue Earth	1,300	1,400	1,300	1,400	6.08	5.57	7,900	7,800
Brown	10,000	10,200	9,900	9,900	6.90	5.61	68,300	55,500
Faribault	7,900	8,300	7,800	8,200	6.29	6.28	49,100	51,500
Freeborn	6,700	6,600	6,700	6,500	6.70	6.20	44,900	40,300
Le Sueur	1,600	1,500	1,600	1,500	6.00	5.80	9,600	8,700
Martin	2,200	2,100	2,200	2,100	6.18	6.05	13,600	12,700
Nicollet	3,400	3,100	3,300	3,000	6.21	6.23	20,500	18,700
Steele	4,000	4,000	4,000	3,900	7.10	6.56	28,400	25,600
Waseca	4,600	4,900	4,600	4,800	7.50	6.25	34,500	30,000
Other Counties	800	700	800	700	6.25	6.00	5,000	4,200
South Central	42,500	42,800	42,200	42,000	6.68	6.07	281,800	255,000
Dakota	4,600	4,500	4,500	4,400	6.40	5.91	28,800	26,000
Dodge	4,900	5,600	4,800	5,500	6.60	6.27	31,700	34,500
Fillmore	--	1,200	--	1,200	--	7.25	--	8,700
Goodhue	4,900	4,600	4,800	4,500	6.71	6.69	32,200	30,100
Mower	6,100	6,700	6,000	6,600	6.50	7.03	39,000	46,400
Olmsted	7,700	8,100	7,600	7,900	6.00	6.49	45,600	51,300
Wabasha	3,900	4,400	3,900	4,300	6.69	6.53	26,100	28,100
Other Counties	1,700	600	1,700	600	6.65	7.00	11,300	4,200
Southeast	33,800	35,700	33,300	35,000	6.45	6.55	214,700	229,300
Other Districts	900	800	900	700	6.11	6.14	5,500	4,300
Minnesota	128,600	131,900	127,200	129,200	6.40	6.37	814,080	823,000

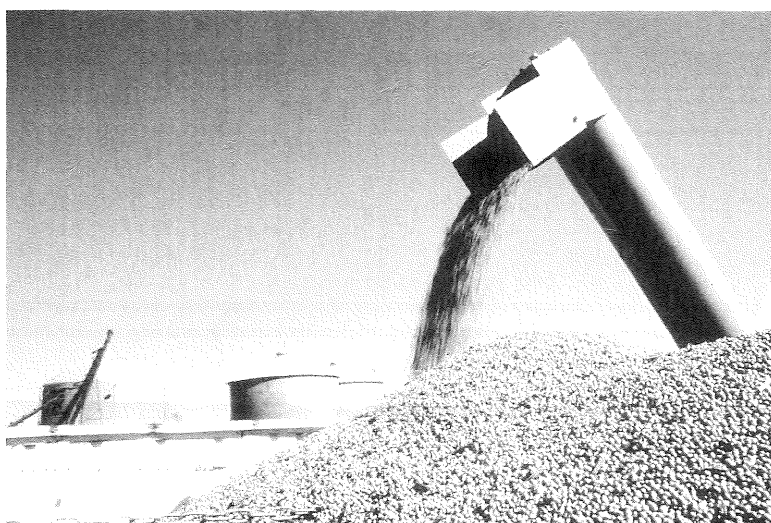
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GREEN PEAS FOR PROCESSING: ACREAGE, YIELD, AND PRODUCTION, BY COUNTY AND DISTRICT, MINNESOTA, 1997-98

County and District 1/	Planted Acreage		Harvested Acreage		Yield Per Harvested Acre		Production	
	1997	1998	1997	1998	1997	1998	1997	1998
	Acres		Acres		Tons		Tons	
Other Counties	2,000	3,400	1,800	3,200	1.22	1.50	2,200	4,800
<u>Northwest</u>	2,000	3,400	1,800	3,200	1.22	1.50	2,200	4,800
Other Counties	1,400	--	1,300	--	1.38	--	1,800	--
<u>West Central</u>	1,400	--	1,300	--	1.38	--	1,800	--
Kandiyohi	1,900	1,400	1,500	1,100	1.00	1.64	1,500	1,800
McLeod	1,400	1,200	900	700	1.44	1.57	1,300	1,100
Meeker	2,000	1,800	1,700	1,300	1.18	1.46	2,000	1,900
Renville	14,100	15,100	11,600	13,000	1.30	1.58	15,100	20,600
Sibley	6,000	6,300	5,100	5,400	1.20	1.59	6,100	8,600
Other Counties	1,600	400	1,300	300	1.38	1.67	1,800	500
<u>Central</u>	27,000	26,200	22,100	21,800	1.26	1.58	27,800	34,500
Redwood	2,900	3,000	2,600	2,800	1.38	2.29	3,600	6,400
Other Counties	100	200	100	200	1.00	1.50	100	300
<u>Southwest</u>	3,000	3,200	2,700	3,000	1.37	2.23	3,700	6,700
Blue Earth	2,900	2,000	2,500	1,600	1.32	1.38	3,300	2,200
Brown	6,800	6,300	5,900	5,500	1.68	1.76	9,900	9,700
Faribault	2,900	3,000	2,400	2,500	1.42	1.44	3,400	3,600
Freeborn	2,400	2,400	1,600	1,700	1.50	1.53	2,400	2,600
Le Sueur	1,700	1,400	1,500	1,300	1.00	1.38	1,500	1,800
Martin	2,200	2,100	1,600	1,600	1.13	1.69	1,800	2,700
Nicollet	2,200	2,100	1,600	1,700	1.19	1.35	1,900	2,300
Steele	3,800	4,100	3,400	3,700	1.68	1.95	5,700	7,200
Waseca	2,500	3,000	2,100	2,600	1.38	1.65	2,900	4,300
Other Counties	1,800	2,100	1,600	1,800	1.50	1.61	2,400	2,900
<u>South Central</u>	29,200	28,500	24,200	24,000	1.45	1.64	35,200	39,300
Dakota	4,500	4,300	3,900	3,500	1.41	1.31	5,500	4,600
Dodge	3,200	2,400	3,100	2,200	1.81	1.41	5,600	3,100
Goodhue	3,400	3,200	2,500	2,300	1.72	1.70	4,300	3,900
Mower	7,900	7,700	6,000	5,100	1.80	1.61	10,800	8,200
Olmsted	4,500	4,800	3,900	4,000	1.97	1.68	7,700	6,700
Wabasha	1,700	1,900	1,600	1,700	1.88	1.59	3,000	2,700
Other Counties	2,000	1,700	1,900	1,400	1.84	1.79	3,500	2,500
<u>Southeast</u>	27,200	26,000	22,900	20,200	1.76	1.57	40,400	31,700
<u>Other Districts</u>	200	700	200	700	1.00	1.57	200	1,100
<u>Minnesota</u>	90,000	88,000	75,200	72,900	1.48	1.62	111,300	118,100

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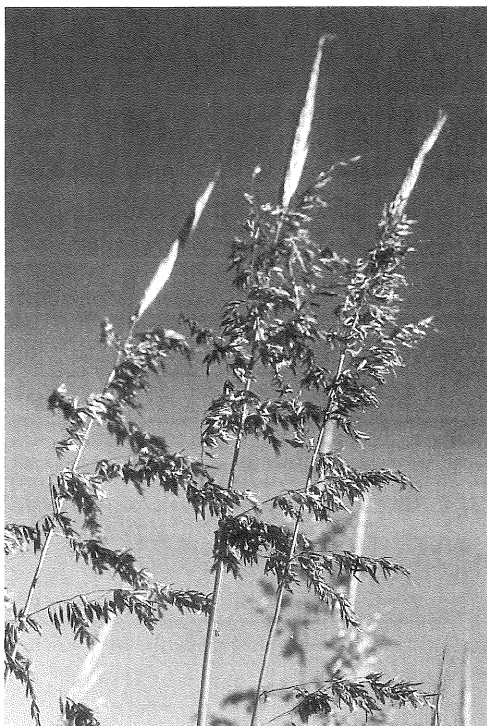
GRAIN AND HAY STOCKS: SPECIFIED CROPS BY STORAGE POSITION, MINNESOTA, 1995-99

Year	On Farm				All Storage Positions			
	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
Corn								
	1,000 Bushels							
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	210,000	55,000	580,000	500,616	288,486	98,454	742,876
1998	410,000	270,000	115,000	680,000	544,078	355,707	175,730	903,436
1999	540,000				723,690			
Soybeans								
	1,000 Bushels							
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	37,000	6,300	145,000	127,983	62,567	13,888	211,474
1998	100,000	52,000	11,000	160,000	141,869	76,045	21,866	245,920
1999	125,000				183,691			
All Wheat								
	1,000 Bushels							
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	20,000	65,000	52,000	56,256	36,725	96,969	80,557
1998	30,000	17,000	60,000	48,000	55,115	35,613	95,465	74,591
1999	36,000				59,426			
Oats								
	1,000 Bushels							
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	3,000	11,000	9,000	18,736	10,881	21,037	26,632
1998	6,400	3,100	14,000	10,000	21,675	14,697	27,509	31,819
1999	8,000				25,260			
Barley								
	1,000 Bushels							
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	5,500	16,000	11,500	33,351	27,654	37,831	33,936
1998	7,000	3,500	15,500	11,500	31,893	27,444	39,572	37,064
1999	6,500				34,710			
All Hay								
	1,000 Tons							
1995			753	4,374			Off-Farm Hay Stocks Not Estimated	
1996			694	4,018				
1997			540	3,647				
1998			640	5,261				
1999			1,493					

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

CROP MARKETINGS: PERCENT MARKETED BY MONTH, MINNESOTA, 1994-98

Crop Marketing Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Corn												
	Percent											
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
1996-97	10	13	7	10	8	7	7	7	7	9	9	6
1997-98	14	9	6	8	6	5	4	7	14	8	10	9
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Soybeans												
	Percent											
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
1996-97	6	25	5	6	14	7	7	8	7	5	5	5
1997-98	8	19	6	6	8	7	6	5	6	12	10	7
Dry Edible Beans												
	Percent											
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
1996-97	34	19	7	3	3	2	3	5	10	8	4	2
1997-98	21	19	13	7	7	7	5	3	3	4	4	7
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
All Wheat												
	Percent											
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
1996-97	3	17	14	7	6	10	11	7	9	10	3	3
1997-98	7	18	11	3	4	11	6	5	8	6	7	14
Oats												
	Percent											
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
1996-97	18	30	12	4	4	3	4	4	4	7	6	4
1997-98	7	44	12	4	1	3	3	3	6	6	3	8
Barley												
	Percent											
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
1996-97	6	14	14	4	6	7	11	12	8	7	5	6
1997-98	15	19	19	10	4	9	3	4	2	2	3	10
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
All Hay												
	Percent											
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
1996-97	8	11	10	11	7	2	6	8	9	14	5	9
1997-98	9	8	6	5	6	8	9	10	11	12	11	5



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 1998, cultivated wild rice production was 5.8 million processed pounds, down 6% from 1997.

Source: MINNESOTA CULTIVATED WILD RICE COUNCIL

MINNESOTA FERTILIZER USE

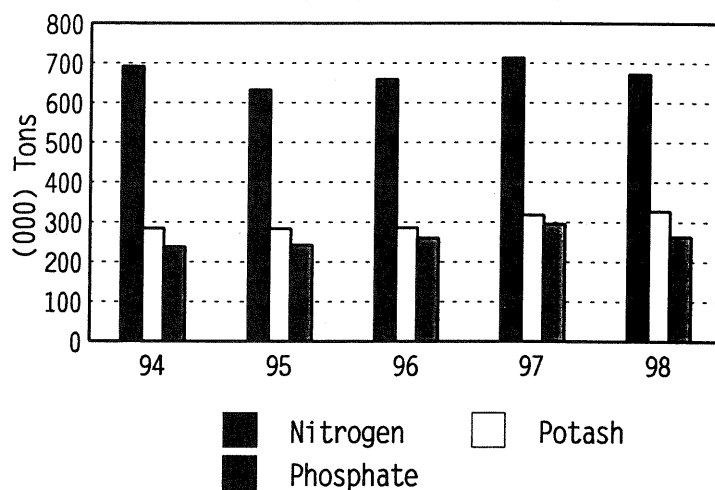
Minnesota fertilizer consumption totaled 2.37 million tons for the year ending June 30, 1998, a decrease of 1% from the previous year. Minnesota was the 7th ranking state in total tonnage.

Usage of the primary nutrients is shown on the chart; nitrogen decreased 6% from 1997 and phosphate (P_2O_5) usage was down 11%, while potash (K_2O) usage increased 3%.

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

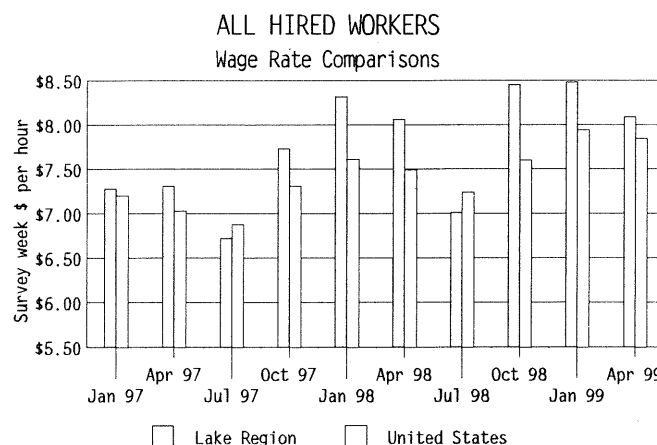
MINNESOTA'S USE OF PRIMARY NUTRIENTS AS FERTILIZER



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, 1994-98

Year	All Hired	Field	Field & Livestock
<u>Dollars Per Hour</u>			
1994	6.44	6.57	6.04
1995	6.91	6.84	6.61
1996	7.85	7.75	7.44
1997	8.45	9.02	8.08
1998	7.96	7.58	7.38

FARM LABOR: FARM WORKERS AND WAGES BY TYPE OF WORK, LAKE REGION, 1997-99 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>			
1997								
January	44	39	5	37.1	7.28	7.74	6.20	6.66
April	63	50	13	33.5	7.31	7.50	6.56	6.91
July	70	43	27	35.1	6.72	6.56	6.10	6.35
October	80	48	32	41.3	7.73	7.85	6.01	7.28
1998								
January	41	35	6	32.1	8.32	7.74	7.16	7.35
April	59	46	13	33.7	8.06	7.39	7.43	7.41
July	72	40	32	37.3	7.01	6.95	6.41	6.77
October	59	38	21	39.6	8.45	8.23	7.40	7.99
1999								
January	42	37	5	34.9	8.48	8.43	7.33	7.59
April	55	39	16	37.8	8.09	7.95	7.03	7.54

1/ Lake Region = Minnesota, Michigan, Wisconsin.

Section 3

Livestock, Dairy, Poultry



LIVESTOCK SUMMARY

Cattle numbers on Minnesota farms on January 1, 1999, were unchanged from a year earlier. Minnesota's 1998 calf crop at 900,000 was 3% below 1997. Meanwhile, sheep and lambs were up 6% from January 1, 1998. The inventory of all hogs on December 1, 1998, was unchanged from a year earlier. Farrowings at 1,080,000 head in 1998 were up 7% from the previous year. A crop of 9,612,000 pigs was produced in the state during 1998, an increase of 8% from 1997. The average annual litter rate of 8.90 was a record high for the state. All chickens on farms were up 6% from a year earlier.

The combined value of all livestock and poultry on Minnesota farms was \$2.0 billion at the end of 1998. All cattle and calves, valued at \$1.7 billion, were 6% above a year earlier. The value of hogs on hand on December 1, 1998, accounted for \$291 million, down 40%; all sheep and lambs, \$15.9 million, down 8%; and all chickens, \$28.0 million, up slightly.

Cattle operations dropped 2,000 from a year ago. Beef cow operations were down 200 from last year. Operations with milk cows were down 800. All hog operations were down 500 while sheep operations were down 300.



LIVESTOCK: JANUARY 1 INVENTORY, MINNESOTA, 1995-99

Year	All Cattle	Cattle on Feed	Milk Cows	Beef Cows	Hogs 1/	All Sheep
			<u>1,000 Head</u>			
1995	2,700	300	600	420	4,850	190
1996	2,750	325	585	435	4,950	185
1997	2,650	285	580	410	4,850	180
1998	2,500	265	555	395	5,700	165
1999	2,500	270	545	385	5,700	175

1/ Inventory as of December 1 previous year.

LIVESTOCK: NUMBER OF OPERATIONS, MINNESOTA, 1994-98 1/

Year	Number of Operations With					
	All Cattle	Cattle on Feed	Milk Cows	Beef Cows	Hogs	All Sheep
			<u>Operations</u>			
1994	34,000	8,000	12,500	16,000	11,500	3,600
1995	33,000	8,000	12,000	16,000	10,500	3,400
1996	33,000	2/	11,000	16,000	9,500	3,200
1997	33,000		10,500	16,000	9,000	2,900
1998	31,000		9,700	15,800	8,500	2,600

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			Annual Pig Crop:		
Inventories:		Jan 1,	Minnesota	9,612,000	1998
Minnesota	4,518,000	1964 & 1965	United States	121,807,000	1944
United States	132,028,000	1975			
Beef Cows:			Annual Milk Production:		
Minnesota	751,000	1976	(Mil. Lbs.)		
United States	45,712,000	1975	Minnesota	11,155	1964
			United States	157,441	1998
Milk Cows:			Milk Production Per Cow (Lbs.):		
Minnesota	1,893,000	1934	Minnesota	16,833	1998
United States	27,770,000	1945	United States	17,192	1998
Cattle on Feed:		Jan 1,			
Minnesota	589,000	1970	All Sheep And Lambs:		Jan 1,
United States	14,432,000	1973	Minnesota	1,496,000	1943
			United States	56,213,000	1942
Calves Born:			Breeding Sheep:		Jan 1,
Minnesota	1,867,000	1944	Minnesota	1,201,000	1942 & 1943
United States	50,873,000	1974	United States	49,346,000	1942
All Hogs by Qtr:			Lamb Crop:		
March 1: 1/			Minnesota	1,015,000	1942
Minnesota	5,700,000	1998	United States	32,610,000	1941
June 1: 2/			All Chickens:		Dec 1,
Minnesota	5,928,000	1951	Minnesota	31,742,000	1944
September 1: 1/			United States	582,197,000	1944
Minnesota	6,000,000	1998	Eggs Per Layer:		
December 1: 1/			Minnesota	262	1998
Minnesota	5,700,000	1997 & 1998	United States	256	1996 & 1998
United States	83,741,000	1944	Turkeys Raised:		
			Minnesota	46,300,000	1990
Annual Pigs			United States	302,713,000	1996
Per Litter:					
Minnesota	8.90	1998			
United States	8.71	1998			

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, 1994-98

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>				
1994	46.8	30.5	21.8	0.6	0.3	13.0	26.0	50.0	5.0	6.0
1995	46.1	30.0	22.7	0.9	0.3	12.0	26.0	49.0	7.0	6.0
1996	45.8	30.0	23.0	0.9	0.3	12.0	25.0	50.0	7.0	6.0
1997	46.1	29.7	23.0	0.9	0.3	12.0	25.0	50.0	7.0	6.0
1998	49.0	26.1	23.6	1.0	0.3	12.0	23.0	50.0	8.0	7.0

BEEF COWS: OPERATIONS AND INVENTORY BY SIZE GROUPS, MINNESOTA, 1994-98

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>			
1994	84.4	12.5	3.0	0.1	51.0	29.0	16.5	3.5
1995	85.6	11.3	3.0	0.1	52.0	28.0	16.5	3.5
1996	85.0	11.9	3.0	0.1	50.0	29.0	17.5	3.5
1997	84.4	12.5	3.0	0.1	48.0	32.0	16.5	3.5
1998	86.1	10.4	3.4	0.1	50.0	28.0	18.5	3.5

MILK COWS: OPERATIONS AND INVENTORY BY SIZE GROUPS, MINNESOTA, 1994-98

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>				
1994	23.2	37.6	32.8	5.8	0.6	8.9	30.0	43.0	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
1997	18.1	36.2	35.2	8.1	2.4	6.0	24.0	40.0	17.0	13.0
1998	16.5	36.1	36.1	8.2	3.1	5.8	22.0	40.0	16.0	16.2

HOGS: OPERATIONS AND INVENTORY BY SIZE GROUPS, MINNESOTA, 1994-98

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>				
1994	34.8	39.1	15.6	7.0	3.5	3.0	21.0	22.0	21.0	33.0
1995	34.3	38.1	15.2	8.1	4.3	2.0	18.0	20.0	22.0	38.0
1996	33.7	36.8	15.8	8.4	5.3	2.0	15.0	19.0	22.0	42.0
1997	33.3	35.5	15.6	8.9	6.7	1.5	13.0	15.5	20.0	50.0
1998	32.9	35.3	15.3	8.8	7.7	2.0	11.0	13.0	18.0	56.0

LIVESTOCK AND POULTRY: INVENTORY AND VALUES, MINNESOTA, 1997-99

Class	Number on Farms			Value per Head			Total Inventory Value		
	1997	1998	1999	1997	1998	1999	1997	1998	1999
	<u>1,000 Head</u>			<u>Dollars</u>			<u>1,000 Dollars</u>		
All Cattle & Calves, Jan 1	2,650	2,500	2,500	610.00	630.00	670.00	1,616,500	1,575,000	1,675,000
Total Cows That Have Calved	990	950	930						
Beef Cows	410	395	385						
Milk Cows	580	555	545						
Total Heifers 500 + Lbs.	590	540	550						
Beef Replacement	90	85	90						
Milk Replacement	320	290	290						
Other	180	165	170						
Steers 500 Lbs. +	470	455	455						
Bulls 500 Lbs. +	40	35	35						
Calves Under 500 Lbs.	560	520	530						
Cattle & Calves on Feed, Jan 1	285	265	270						
Calf Crop	930	900	--						
All Hogs & Pigs, Dec 1 1/	4,850	5,700	5,700	98.00	85.00	51.00	475,300	484,500	290,700
Market Hogs & Pigs, Dec 1 1/	4,310	5,050	5,080						
Breeding Hogs, Dec 1 1/	540	650	620						
Annual Pig Crop	8,873	9,612	--						
All Sheep & Lambs, Jan 1	180	165	175	100.00	105.00	91.00	18,000	17,325	15,925
Breeding Sheep & Lambs	130	105	110						
Ewes 1 Year +	105	85	90						
Rams 1 year +	5	5	5						
Replacement Lambs	20	15	15						
Market Sheep & Lambs	50	60	65						
Lambs Under 65 Lbs.	7	15	17						
Lambs 65-84 Lbs.	9	10	13						
Lambs 85-105 Lbs.	16	17	17						
Lambs Over 105 Lbs.	16	17	17						
Sheep	2	1	1						
Lamb Crop	145	155	--						
All Chickens, Dec 1 1/	14,995	14,730	15,575	1.50	1.90	1.80	22,493	27,987	28,035
Total Layers	11,860	11,955	12,240						
Pullets 13 Weeks Old but Not of Laying Age	1,255	810	1,025						
Pullets Under 13 Weeks Old	1,835	1,895	2,240						
Other Chickens	45	70	70						

1/ December 1 preceding year.

CATTLE AND CALVES: INVENTORY, SUPPLY, AND DISPOSITION, MINNESOTA, 1994-99

Year	All Cattle and Calves 1/	Calf Crop	Cattle On Feed 1/	Inship- ments	Marketings 2/		Farm Slaughter 3/	Deaths	
					Cattle	Calves		Cattle	Calves
	1,000 Head								
1994	2,600	990	320	550	1,124	143	8	55	110
1995	2,700	1,000	300	525	1,184	108	8	60	115
1996	2,750	970	325	435	1,219	93	8	60	125
1997	2,650	930	285	425	1,189	133	8	60	115
1998	2,500	900	265	370	982	127	6	50	105
1999	2,500	---	270	---	-----	---	-	--	---

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, 1994-98

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>		
1994	1,182,349	1,440,500	59.00	90.40	662,594	859,566	14,324	873,890
1995	1,228,925	1,517,400	56.60	72.90	672,944	863,983	13,632	877,615
1996	1,189,010	1,534,150	57.80	50.30	667,688	884,646	13,420	898,066
1997	1,134,824	1,507,750	61.10	64.00	672,039	922,366	14,460	936,826
1998	1,070,366	1,300,375	57.30	68.80	602,003	749,643	11,867	761,510

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, 1998-99

County and District	All Cattle And Calves		Cattle and Calves On Feed		All Breeding Sheep And Lambs	
	1998	1999	1998	1999	1998	1999
			Number			
Becker	36,900	37,000	900	1,000	700	800
Clay	18,600	18,500	1,700	1,700	800	800
Clearwater	25,600	25,600	1,300	1,400	1,100	1,100
Kittson	12,300	12,500	600	700	600	600
Mahnomen	13,300	13,200	400	500	100	100
Marshall	17,000	17,100	600	500	1,600	1,500
Norman	12,000	11,800	400	500	100	100
Pennington	8,500	8,800	400	400	100	100
Polk	27,700	28,800	2,700	2,600	800	800
Red Lake	12,400	12,700	500	500	1,000	900
Roseau	27,200	28,000	1,000	1,200	600	700
Northwest	211,500	214,000	10,500	11,000	7,500	7,500
Beltrami	27,300	27,900	400	400	1,000	1,000
Cass	32,500	32,400	400	300	800	900
Hubbard	10,800	11,000	100	200	800	800
Itasca	11,500	11,500	200	200	300	300
Koochiching	5,400	5,600	100	100	300	300
Lake of the Woods	3,900	4,100	100	100	100	100
North Central	91,400	92,500	1,300	1,300	3,300	3,400
Cook	100	100	--	--	--	--
Lake	200	200	--	--	100	100
St Louis	11,800	11,200	200	200	600	500
Northeast	12,100	11,500	200	200	700	600
Big Stone	8,700	9,000	700	800	400	400
Chippewa	7,400	7,500	900	1,000	1,400	1,500
Douglas	32,500	33,000	2,000	2,500	1,100	1,200
Grant	7,800	7,500	1,700	1,500	600	600
Lac Qui Parle	16,200	16,000	4,500	4,300	1,600	1,700
Otter Tail	108,000	107,000	3,700	4,000	3,500	3,600
Pope	32,400	31,000	1,900	2,000	1,300	1,300
Stevens	24,400	24,000	10,000	9,600	1,400	1,400
Swift	19,000	19,000	4,400	4,300	300	300
Traverse	7,300	7,000	2,300	2,200	600	600
Wilkin	5,000	4,500	400	500	100	100
Yellow Medicine	22,500	21,500	4,500	4,300	1,700	1,800
West Central	291,200	287,000	37,000	37,000	14,000	14,500
Benton	38,300	38,000	1,400	1,500	500	500
Carver	36,300	35,500	2,200	2,200	400	500
Kandiyohi	28,000	28,000	4,000	4,500	2,700	2,600
McLeod	35,400	34,500	3,700	3,500	600	700
Meeker	28,800	29,000	2,500	2,700	1,900	1,900
Morrison	85,500	85,500	1,900	2,000	1,000	1,100
Renville	29,400	29,500	8,800	10,000	2,000	2,200
Scott	24,100	23,500	3,600	3,500	500	600
Sherburne	10,600	10,000	1,800	1,800	300	300
Sibley	31,700	31,000	4,200	4,000	1,400	1,600
Stearns	175,000	179,000	9,500	10,500	1,600	1,800
Todd	68,400	70,000	1,300	1,500	2,300	2,400
Wadena	25,700	25,500	700	800	1,200	1,200
Wright	47,200	46,500	3,400	3,500	1,100	1,100
Central	664,400	665,500	49,000	52,000	17,500	18,500

--continued

ALL CATTLE, CATTLE ON FEED, AND ALL BREEDING SHEEP & LAMBS: JANUARY 1 INVENTORY
BY COUNTY AND DISTRICT, MINNESOTA, 1998-99 (continued)

County and District	All Cattle And Calves		Cattle And Calves On Feed		All Breeding Sheep And Lambs	
	1998	1999	1998	1999	1998	1999
			Number			
Aitkin	14,800	14,400	300	200	500	600
Anoka	3,500	3,100	200	200	200	200
Carlton	12,000	11,500	300	200	500	500
Chisago	14,400	13,600	800	800	600	600
Crow Wing	18,400	18,000	400	300	1,000	1,100
Hennepin	10,000	10,000	800	600	500	500
Isanti	8,900	8,300	600	600	900	1,000
Kanabec	22,200	22,000	700	600	1,000	1,000
Mille Lacs	24,400	23,900	700	700	600	700
Pine	34,400	34,000	900	1,000	900	1,000
Ramsey	200	200	--	--	--	--
Washington	7,300	7,000	800	800	800	800
East Central	170,500	166,000	6,500	6,000	7,500	8,000
Cottonwood	30,700	31,500	11,300	11,000	2,500	2,700
Jackson	17,600	17,500	7,000	6,500	2,600	2,700
Lincoln	28,500	27,500	5,500	6,000	5,000	5,300
Lyon	45,500	46,500	9,900	11,000	2,100	2,100
Murray	44,300	44,000	11,100	11,500	5,500	5,800
Nobles	47,800	48,500	12,800	12,500	2,200	2,300
Pipestone	41,700	40,500	3,400	3,500	6,200	6,600
Redwood	34,200	33,000	10,400	10,500	1,600	1,600
Rock	42,100	43,500	11,100	11,000	1,300	1,400
Southwest	332,400	332,500	82,500	83,500	29,000	30,500
Blue Earth	18,200	17,500	7,100	7,000	1,100	1,200
Brown	37,300	35,500	6,100	6,000	1,200	1,200
Faribault	14,500	14,000	2,900	2,800	1,100	1,100
Freeborn	15,400	14,500	2,000	2,000	1,600	1,700
Le Sueur	22,700	21,500	4,400	4,100	900	1,000
Martin	22,500	22,000	6,400	6,000	1,500	1,600
Nicollet	19,800	19,000	3,100	3,200	800	800
Rice	29,700	29,500	1,800	1,700	900	900
Steele	19,200	18,000	1,300	1,300	600	600
Waseca	14,400	13,500	1,000	900	1,400	1,400
Watsonwan	9,800	10,000	3,900	4,000	900	1,000
South Central	223,500	215,000	40,000	39,000	12,000	12,500
Dakota	34,500	35,500	7,100	7,000	800	800
Dodge	23,600	24,000	2,200	2,500	500	600
Fillmore	78,300	81,500	4,600	5,000	2,100	2,400
Goodhue	78,800	81,000	4,700	5,000	2,900	3,000
Houston	56,000	57,500	6,200	6,500	900	1,000
Mower	25,500	26,000	2,500	2,500	1,800	1,900
Olmsted	53,100	53,000	4,100	4,500	2,100	2,200
Wabasha	67,100	70,000	3,500	4,000	1,000	1,100
Winona	86,100	87,500	3,100	3,000	1,400	1,500
Southeast	503,000	516,000	38,000	40,000	13,500	14,500
Minnesota	2,500,000	2,500,000	265,000	270,000	105,000	110,000

**BEEF COWS AND MILK COWS: JANUARY 1 INVENTORY BY COUNTY AND DISTRICT,
MINNESOTA, 1998-99**

County and District	Beef Cows		Milk Cows	
	1998	1999	1998	1999
	<u>Numbers</u>			
Becker	7,600	8,000	9,700	9,600
Clay	4,700	4,500	2,900	2,700
Clearwater	10,100	10,000	1,700	1,700
Kittson	5,800	5,500	300	900
Mahnomen	3,200	3,000	2,100	2,100
Marshall	5,700	5,500	1,800	1,800
Norman	3,100	3,000	2,000	2,000
Pennington	3,300	3,500	1,200	1,100
Polk	9,100	9,000	4,100	4,000
Red Lake	4,400	4,500	1,500	1,400
Roseau	9,000	9,000	3,600	3,500
<u>Northwest</u>	66,000	65,500	30,900	30,800
Beltrami	11,500	11,200	2,500	2,400
Cass	13,200	12,700	2,400	2,400
Hubbard	4,500	4,500	800	700
Itasca	5,200	5,000	400	400
Koochiching	2,800	2,800	200	200
Lake of the Woods	1,800	1,800	200	200
<u>North Central</u>	39,000	38,000	6,500	6,300
Cook	100	100	--	--
Lake	100	100	--	--
St Louis	4,300	3,800	1,400	1,300
<u>Northeast</u>	4,500	4,000	1,400	1,300
Big Stone	2,200	2,300	1,400	1,200
Chippewa	1,500	1,600	800	600
Douglas	3,700	3,700	11,300	11,100
Grant	1,400	1,300	1,700	1,700
Lac Qui Parle	4,200	4,300	1,700	1,700
Otter Tail	15,700	15,300	31,100	30,500
Pope	6,300	6,200	7,800	7,600
Stevens	2,500	2,600	2,400	2,300
Swift	3,300	3,200	2,600	2,400
Traverse	1,700	1,600	200	100
Wilkin	1,400	1,300	1,000	1,000
Yellow Medicine	4,600	4,600	2,300	2,400
<u>West Central</u>	48,500	48,000	64,300	62,600
Benton	4,000	4,000	13,400	13,600
Carver	1,400	1,300	14,300	13,900
Kandiyohi	2,700	2,600	8,200	7,800
McLeod	2,100	2,100	10,500	10,200
Meeker	2,800	2,900	8,500	8,500
Morrison	12,100	12,500	28,100	28,100
Renville	1,300	1,300	3,000	3,000
Scott	1,700	1,600	7,300	7,200
Sherburne	1,500	1,500	1,800	1,800
Sibley	1,800	1,800	10,000	9,600
Stearns	8,600	9,000	63,700	62,800
Todd	9,700	9,900	23,000	21,900
Wadena	5,000	4,700	5,800	5,700
Wright	3,300	3,300	14,700	14,300
<u>Central</u>	58,000	58,500	212,300	208,400

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BEEF COWS AND MILK COWS: JANUARY 1 INVENTORY BY COUNTY AND DISTRICT,
MINNESOTA, 1998-99 (continued)

County and District	Beef Cows		Milk Cows	
	1998	1999	1998	1999
	<u>Numbers</u>			
Aitkin	5,800	5,500	1,600	1,400
Anoka	800	800	500	500
Carlton	3,700	3,500	2,400	2,300
Chisago	2,900	2,700	3,600	3,400
Crow Wing	7,000	6,500	2,100	2,100
Hennepin	1,000	1,000	3,000	2,700
Isanti	2,100	2,000	1,700	1,600
Kanabec	6,400	6,000	3,400	3,200
Mille Lacs	3,500	3,300	6,400	6,100
Pine	8,000	7,500	8,600	8,300
Ramsey	100	100	100	100
Washington	1,700	1,600	1,500	1,400
<u>East Central</u>	43,000	40,500	34,900	33,100
Cottonwood	3,400	3,400	1,600	1,500
Jackson	2,800	2,700	800	700
Lincoln	5,300	5,100	3,400	3,400
Lyon	5,600	5,400	2,000	1,700
Murray	4,200	4,300	4,400	4,400
Nobles	5,000	4,900	3,700	3,900
Pipestone	9,400	9,100	5,500	5,500
Redwood	6,600	6,100	2,500	2,300
Rock	6,200	6,500	2,800	2,800
<u>Southwest</u>	48,500	47,500	26,700	26,200
Blue Earth	1,500	1,400	1,800	1,700
Brown	2,400	2,300	8,300	8,000
Faribault	2,000	2,000	2,300	2,300
Freeborn	2,200	2,200	2,700	2,600
Le Sueur	2,100	2,000	4,800	4,700
Martin	2,100	2,000	1,500	1,500
Nicollet	800	800	6,000	5,900
Rice	2,100	2,000	10,800	10,700
Steele	1,100	1,100	5,700	5,500
Waseca	900	900	3,700	3,600
Watonwan	800	800	1,000	1,000
<u>South Central</u>	18,000	17,500	48,600	47,500
Dakota	2,700	2,500	4,600	4,600
Dodge	1,800	1,700	6,800	6,400
Fillmore	18,000	16,500	16,500	16,400
Goodhue	6,500	6,200	25,400	25,400
Houston	11,600	10,700	11,000	10,900
Mower	2,500	2,300	5,300	5,200
Olmsted	9,400	9,000	11,300	11,000
Wabasha	8,800	8,800	21,200	21,300
Winona	8,200	7,800	27,300	27,600
<u>Southeast</u>	69,500	65,500	129,400	128,800
<u>Minnesota</u>	395,000	385,000	555,000	545,000

HOGS AND PIGS: SOWS FARROWED, PIG CROP, AND DISPOSITION, MINNESOTA, 1994-98

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>Head</u>		<u>1,000 Head</u>				
1994	530	4,505	505	4,293	1,035	8,798	8.50	445	8,699	395	4,850
1995	510	4,337	495	4,295	1,005	8,632	8.59	770	8,851	400	4,950
1996	480	4,200	450	3,938	930	8,138	8.75	1,130	9,096	395	4,850
1997	485	4,258	520	4,615	1,005	8,873	8.83	1,470	9,041	445	5,700
1998	535	4,775	545	4,837	1,080	9,612	8.90	2,005	11,145	465	5,700

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

2/ Excludes interfarm sales.

HOGS AND PIGS: PRODUCTION AND INCOME, MINNESOTA, 1994-98

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>		
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	1,990,686	2,072,497	53.20	1,046,885	1,115,650	3,347	1,118,997
1997	2,080,925	2,083,120	54.30	1,112,009	1,148,266	3,374	1,151,640
1998	2,399,868	2,539,330	35.50	835,994	916,554	2,602	919,156

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, 1994-98 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
1994	260	8.50	2,210	270	8.50	2,295	255	8.50	2,168	250	8.50	2,125
1995	250	8.30	2,075	260	8.70	2,262	250	8.65	2,163	245	8.70	2,132
1996	240	8.80	2,112	240	8.70	2,088	225	8.70	1,958	225	8.80	1,980
1997	230	8.70	2,001	255	8.85	2,257	260	8.85	2,301	260	8.90	2,314
1998	260	8.95	2,327	275	8.90	2,448	280	8.90	2,492	265	8.85	2,345

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, 1994-99

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	Total Market
	<u>1,000 Head</u>						
1994:							
March	4,750	560	1,680	1,030	780	700	4,190
June	4,950	600	1,700	1,090	860	700	4,350
September	5,000	600	1,740	1,080	850	730	4,400
December	4,850	550	1,650	1,020	880	750	4,300
1995:							
March	4,700	540	1,620	1,000	850	690	4,160
June	4,900	580	1,680	1,060	860	720	4,320
September	4,950	550	1,720	1,070	860	750	4,400
December	4,950	550	1,640	1,090	900	770	4,400
1996:							
March	4,800	550	1,660	1,020	870	700	4,250
June	4,650	540	1,600	1,020	820	670	4,110
September	4,800	550	1,660	1,030	830	730	4,250
December	4,850	540	1,640	1,070	840	760	4,310
1997:							
March	5,000	600	1,690	1,080	910	720	4,400
June	5,400	620	1,850	1,210	990	730	4,780
September	5,600	630	2,020	1,250	940	760	4,970
December	5,700	650	1,990	1,270	990	800	5,050
1998:							
March	5,700	630	1,960	1,240	1,020	850	5,070
June	5,900	640	2,050	1,330	1,050	830	5,260
September	6,000	650	2,110	1,380	1,060	800	5,350
December	5,700	620	2,020	1,270	960	830	5,080
1999:							
March	5,600	590	1,960	1,230	990	830	5,010

HOGS AND PIGS: INVENTORY, FARROWINGS, AND PIG CROP, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

County and District	All Hogs Dec. 1		Annual Farrowings		Annual Pig Crop	
	1997	1998	1997	1998	1997	1998
	Number					
Becker	6,600	6,800	1,600	2,000	13,000	17,000
Clay	8,200	10,600	2,100	2,300	18,000	20,000
Clearwater	700	600	100	100	750	750
Kittson	2,900	2,600	200	200	1,500	1,500
Mahnomen	3,200	3,300	300	400	2,500	3,000
Marshall	1,200	1,000	300	300	2,500	2,500
Norman	7,600	7,100	900	900	7,500	8,000
Pennington	1,400	1,200	200	200	1,500	1,500
Polk	6,400	5,800	2,600	2,500	21,500	22,000
Red Lake	700	600	100	100	750	750
Roseau	2,800	2,400	600	500	4,500	4,000
Northwest	41,700	42,000	9,000	9,500	74,000	81,000
Beltrami	200	200	--	100	--	1,000
Cass	11,300	9,700	3,800	3,400	31,000	28,000
Hubbard	1,300	1,100	500	400	4,000	3,500
Itasca	300	200	100	100	750	750
Koochiching	300	200	100	100	750	750
Lake of the Woods	300	200	300	200	2,500	1,500
North Central	13,700	11,600	4,800	4,300	39,000	35,500
Lake	100	100	--	--	--	--
St Louis	800	800	200	200	2,000	1,500
Northeast	900	900	200	200	2,000	1,500
Big Stone	36,000	36,500	5,700	6,000	50,000	53,000
Chippewa	37,400	34,000	3,200	3,300	28,000	29,000
Douglas	19,500	19,000	4,600	4,500	40,000	40,000
Grant	18,100	17,500	3,500	3,500	31,000	31,000
Lac Qui Parle	61,500	62,000	9,800	10,000	86,000	89,000
Otter Tail	30,200	30,500	6,400	6,600	57,000	59,000
Pope	27,300	27,500	5,300	6,300	45,000	53,000
Stevens	85,600	87,000	19,000	20,500	168,000	179,000
Swift	23,700	21,000	3,100	3,300	27,000	28,000
Traverse	20,900	19,500	3,900	4,000	34,000	35,000
Wilkin	12,900	13,500	3,000	3,000	26,000	26,000
Yellow Medicine	119,700	120,000	18,000	20,000	159,000	178,000
West Central	492,800	488,000	85,500	91,000	751,000	800,000
Benton	28,900	26,500	5,600	5,500	47,000	46,000
Carver	20,100	18,000	3,100	3,000	27,000	26,000
Kandiyohi	90,300	94,000	18,700	20,000	166,000	179,000
McLeod	25,800	24,000	4,800	5,000	41,000	43,000
Meeker	43,100	41,000	8,200	8,500	71,000	74,000
Morrison	24,500	22,500	5,300	5,500	46,000	45,000
Renville	258,000	257,200	55,000	59,500	493,000	534,000
Scott	18,700	18,000	4,100	4,000	35,000	35,000
Sherburne	11,200	11,000	3,000	3,000	26,000	27,000
Sibley	111,100	105,000	15,400	16,000	136,000	134,000
Stearns	92,400	94,500	22,500	24,500	195,000	213,000
Todd	16,100	15,500	4,100	4,300	35,000	37,000
Wadena	900	800	300	200	2,500	1,500
Wright	20,100	18,000	3,900	3,500	33,500	30,500
Central	761,200	746,000	154,000	162,500	1,354,000	1,425,000

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HOGS AND PIGS: INVENTORY, FARROWINGS, AND PIG CROP, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District	All Hogs Dec. 1		Annual Farrowings		Annual Pig Crop	
	1997	1998	1997	1998	1997	1998
	<u>Numbers</u>					
Aitkin	200	200	100	100	750	750
Anoka	3,500	2,200	300	200	2,500	1,750
Carlton	400	400	100	100	750	750
Chisago	7,800	6,700	1,300	1,200	11,000	11,000
Crow Wing	4,600	4,100	600	500	5,000	4,500
Hennepin	2,500	2,000	500	400	4,000	3,500
Isanti	7,900	6,600	700	600	6,000	5,500
Kanabec	9,400	8,400	1,800	1,500	16,000	13,500
Mille Lacs	4,100	3,300	800	700	6,500	6,000
Pine	2,000	2,000	600	600	5,000	5,000
Washington	2,000	1,600	200	100	1,500	750
East Central	44,400	37,500	7,000	6,000	59,000	53,000
Cottonwood	138,400	133,000	30,400	33,000	272,000	293,000
Jackson	178,500	179,000	34,700	36,000	304,000	316,000
Lincoln	59,400	59,500	24,300	24,000	215,000	214,000
Lyon	175,300	172,000	26,100	28,500	228,000	248,000
Murray	108,900	109,500	14,200	15,000	124,000	131,000
Nobles	223,200	224,500	35,500	37,500	313,000	327,000
Pipestone	165,900	167,000	39,900	42,500	358,000	383,000
Redwood	229,600	219,500	30,400	31,000	271,000	278,000
Rock	148,600	144,000	26,500	27,500	233,000	244,000
Southwest	1,427,800	1,408,000	262,000	275,000	2,318,000	2,434,000
Blue Earth	324,600	336,000	61,500	70,000	548,000	631,000
Brown	226,600	232,000	39,700	44,500	353,000	400,000
Faribault	186,300	185,000	38,100	43,000	339,000	388,000
Freeborn	187,400	183,000	30,500	33,500	271,000	302,000
Le Sueur	77,500	75,000	10,300	11,000	91,000	98,000
Martin	487,000	527,000	68,000	77,000	604,000	695,000
Nicollet	217,500	230,000	50,800	55,500	451,000	500,000
Rice	185,000	195,000	29,000	33,000	256,000	297,000
Steele	77,700	72,000	7,300	7,500	64,000	67,000
Waseca	148,600	140,000	16,600	18,000	146,000	161,000
Watonwan	142,200	141,000	25,200	27,000	222,000	243,000
South Central	2,260,400	2,316,000	377,000	420,000	3,345,000	3,782,000
Dakota	32,200	27,500	5,000	5,000	44,000	44,000
Dodge	79,800	84,000	16,400	17,500	146,000	158,000
Fillmore	139,600	140,500	21,900	23,500	193,000	211,000
Goodhue	95,500	95,000	14,700	16,000	129,000	143,000
Houston	36,100	32,500	5,800	6,000	51,000	54,000
Mower	164,000	166,000	24,000	25,500	212,000	230,000
Olmsted	38,100	38,000	7,900	8,000	70,000	71,000
Wabasha	28,400	25,500	5,500	5,500	48,000	49,000
Winona	43,400	41,000	4,300	4,500	38,000	40,000
Southeast	657,100	650,000	105,500	111,500	931,000	1,000,000
Minnesota	5,700,000	5,700,000	1,005,000	1,080,000	8,873,000	9,612,000

SHEEP AND LAMBS: INVENTORY, SUPPLY, AND DISPOSITION, MINNESOTA, 1994-99

Year	All Sheep and Lambs 1/	Lamb Crop	Inshipments	Marketings 2/		Farm Slaughter 3/	Deaths	
				Sheep	Lambs		Sheep	Lambs
				<u>1,000 Head</u>				
1994	215	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	145	31	35	129	1	8	18
1998	165	155	39	10	144	1	9	20
1999	175	---	--	--	---	-	--	--

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, 1994-98

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>		
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
1997	14,908	19,445	33.80	90.80	12,638	14,963	203	15,166
1998	16,355	17,795	27.20	71.40	10,834	12,109	168	12,277

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, 1994-98

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>
1994	175	6.7	1,175	42	494
1995	170	6.8	1,150	64	736
1996	170	6.6	1,120	43	482
1997	150	6.5	970	43	417
1998	160	6.6	1,055	34	359

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, 1997-98

Month	Cattle					
	Number Slaughtered		Live Weight			
			Average Weight		Total Weight	
	1997	1998	1997	1998	1997	1998
	<u>1,000 Head</u>		<u>Pounds</u>		<u>1,000 Pounds</u>	
January	100.3	94.2	1,216	1,306	122,057	122,967
February	91.7	75.6	1,248	1,336	114,429	100,971
March	97.0	54.4	1,248	1,341	121,083	72,965
April	94.6	50.1	1,258	1,324	119,008	66,362
May	89.7	46.1	1,242	1,309	111,509	60,381
June	85.8	48.0	1,244	1,312	106,727	62,992
July	91.8	48.3	1,249	1,301	114,628	62,806
August	85.2	49.3	1,267	1,292	107,942	63,742
September	90.4	52.3	1,268	1,305	114,584	68,237
October	101.4	51.8	1,277	1,328	129,516	68,752
November	92.5	55.8	1,268	1,309	117,258	73,078
December	100.9	59.5	1,269	1,301	128,004	77,376
ANNUAL TOTAL	1,121.3	685.3	1,255	1,314	1,406,746	900,628

Month	Hogs					
	Number Slaughtered		Live Weight			
			Average Weight		Total Weight	
	1997	1998	1997	1998	1997	1998
	<u>1,000 Head</u>		<u>Pounds</u>		<u>1,000 Pounds</u>	
January	555.3	663.4	253	258	140,260	171,323
February	533.9	600.8	253	257	135,008	154,566
March	572.5	669.1	253	257	144,992	171,834
April	586.4	627.1	254	257	148,725	161,110
May	526.1	586.4	253	254	132,991	149,227
June	533.2	592.7	251	252	133,939	149,188
July	568.5	636.9	248	249	140,901	158,693
August	561.3	643.9	247	248	138,656	159,550
September	617.0	696.3	249	251	153,638	174,847
October	688.7	777.3	252	257	173,532	199,458
November	586.4	703.4	255	261	149,774	183,813
December	663.2	742.5	256	260	169,945	193,019
ANNUAL TOTAL	6,992.4	7,940.0	252	255	1,762,361	2,026,628

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 9.3 billion pounds in 1998, up 1% from 1997. The state's share of national production in 1998 was 6%. The 12-month average number of milk cows was 551,000 versus 569,000 in 1997. The pounds of milk per cow averaged 16,833 in 1998, a record high for Minnesota.

The count of Minnesota dairy farms licensed to sell milk to plants in January 1999 totaled 8,860. This compares with the totals of 9,514 for January 1998 and 10,600 for January 1997.



DAIRY: MILK PRODUCTION, DISPOSITION, AND INCOME, MINNESOTA, 1994-98

Year	Total Milk Produced	Disposition of Milk Produced			Cash Receipts	Gross Producer Income 1/
		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>	
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
1997	9,210	95	15	9,100	1,200,290	1,202,269
1998	9,275	95	10	9,170	1,425,935	1,427,490

1/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption.

DAIRY: MANUFACTURED DAIRY PRODUCTS, MINNESOTA, 1994-98

Year	Butter	All Cheese	American Cheese	Italian Cheese	Non-Fat Dry Milk Solids	Dry Whey & Whey Fraction Solids	Ice Cream	Ice Milk 1/
		1,000 Pounds				1,000 Gallons		
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
1997	61,070	642,013	541,837	97,241	12,847	338,275	41,593	9,983
1998	65,956	616,933	558,401	54,041	12,394	309,547	42,521	11,119

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

DAIRY: MILK COWS, MILK PRODUCTION, AND DAIRY PRODUCTS, BY MONTH, MINNESOTA, 1994-98

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>												
1994	620	620	615	610	610	610	605	605	605	605	605	600	609
1995	600	600	595	595	595	595	590	590	590	585	585	585	592
1996	585	585	580	580	580	585	585	585	585	580	580	580	583
1997	580	575	575	575	570	570	570	570	565	560	560	560	569
1998	555	555	555	555	555	555	550	550	550	545	545	545	551
Milk: Production per Cow													
	<u>Pounds</u>												
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	1,400	1,370	1,445	1,365	1,355	1,280	1,225	1,275	1,245	1,340	15,894
1996	1,395	1,320	1,435	1,385	1,430	1,370	1,350	1,305	1,250	1,315	1,285	1,370	16,192
1997	1,375	1,280	1,420	1,370	1,450	1,415	1,385	1,315	1,250	1,295	1,255	1,365	16,186
1998	1,420	1,320	1,465	1,435	1,490	1,425	1,400	1,360	1,305	1,375	1,355	1,475	16,833
Milk: Production on Farms													
	<u>Million Pounds</u>												
1994	803	741	824	811	851	814	790	759	720	744	717	768	9,342
1995	807	747	833	815	860	812	799	755	723	746	728	784	9,409
1996	816	772	832	803	829	801	790	763	731	763	745	795	9,440
1997	798	736	817	788	827	807	789	750	706	725	703	764	9,210
1998	788	733	813	796	827	791	770	748	718	749	738	804	9,275
Percentage of Fat in Milk Sold by Farmers to Dairy Plants													
	<u>Percent</u>												
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
1997	3.83	3.79	3.77	3.75	3.70	3.60	3.58	3.61	3.69	3.79	3.86	3.82	3.73
1998	3.78	3.73	3.74	3.69	3.60	3.60	3.55	3.57	3.64	3.80	3.84	3.80	3.70
Butter Manufactured 1/													
	<u>Million Pounds</u>												
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
1997	6.8	5.1	6.5	6.5	6.1	5.7	5.3	3.7	2.8	3.0	4.3	5.3	61.1
1998	5.5	5.9	4.7	6.0	6.2	5.6	4.2	4.5	5.1	5.5	6.1	6.5	66.0
American Cheese Manufactured 1/													
	<u>Million Pounds</u>												
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
1997	48.5	46.5	48.0	46.1	49.0	49.2	48.0	43.6	41.4	39.6	37.7	44.3	541.8
1998	47.8	43.8	47.6	50.5	50.0	49.0	48.0	44.9	36.8	41.2	44.2	54.9	558.4

1/ Totals may not add due to rounding.

DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98

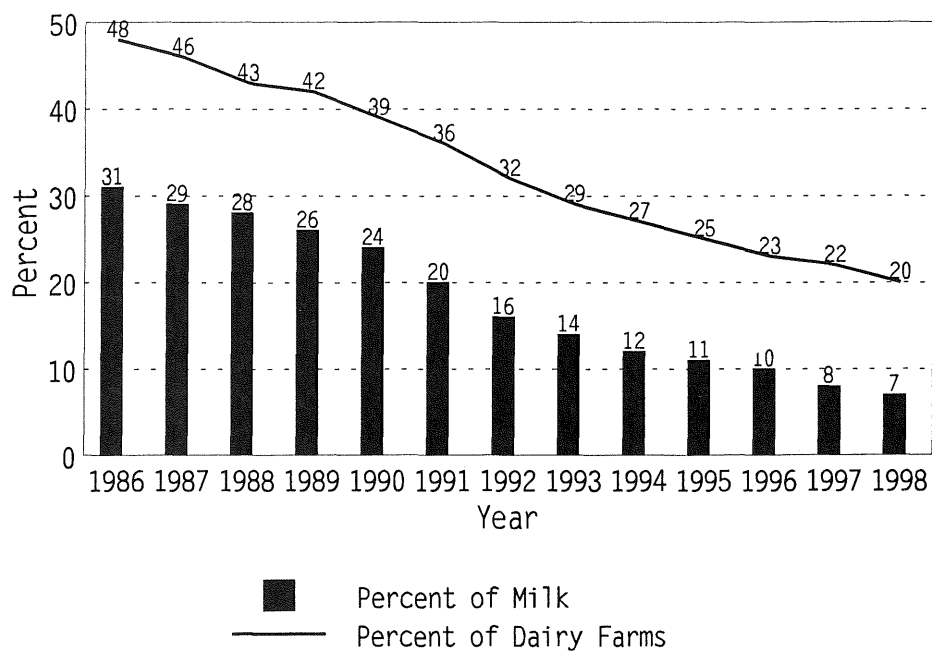
County and District	Annual Average Milk Cows On Farms		Annual Average Production Per Cow		Total Production	
	1997	1998	1997	1998	1997	1998
	Number		Thousand Pounds		Thousand Pounds	
Becker	9,800	9,700	15.6	16.1	152,500	156,000
Clay	3,300	2,800	15.9	16.3	52,500	45,500
Clearwater	1,800	1,700	15.3	15.3	27,500	26,000
Kittson	400	500	15.0	15.0	6,000	7,500
Mahnomen	2,200	2,100	15.7	16.2	34,500	34,000
Marshall	1,800	1,800	15.3	15.6	27,500	28,000
Norman	2,000	2,000	16.3	16.5	32,500	33,000
Pennington	1,300	1,100	15.4	15.9	20,000	17,500
Polk	4,200	4,000	16.0	16.3	67,000	65,000
Red Lake	1,600	1,400	15.9	16.4	25,500	23,000
Roseau	3,600	3,600	15.8	16.3	57,000	58,500
Northwest	32,000	30,700	15.7	16.1	502,500	494,000
Beltrami	2,500	2,500	15.6	15.8	39,000	39,500
Cass	2,400	2,300	14.8	15.4	35,500	35,500
Hubbard	800	800	15.6	15.6	12,500	12,500
Itasca	500	400	15.0	15.0	7,500	6,000
Koochiching	300	200	15.0	15.0	4,500	3,000
Lake of the Woods	200	200	15.0	15.0	3,000	3,000
North Central	6,700	6,400	15.2	15.5	102,000	99,500
St Louis	1,500	1,400	15.0	15.0	22,500	21,000
Northeast	1,500	1,400	15.0	15.0	22,500	21,000
Big Stone	1,500	1,300	15.3	15.8	23,000	20,500
Chippewa	900	700	15.6	16.4	14,000	11,500
Douglas	11,700	11,200	15.8	16.4	184,500	183,500
Grant	1,800	1,700	15.6	16.5	28,000	28,000
Lac Qui Parle	1,700	1,700	15.6	16.5	26,500	28,000
Otter Tail	32,000	30,800	16.1	16.9	514,500	521,500
Pope	8,200	7,700	16.1	16.5	132,000	127,000
Stevens	2,300	2,400	17.2	17.9	39,500	43,000
Swift	2,700	2,500	16.1	17.2	43,500	43,000
Traverse	300	200	15.0	15.0	4,500	3,000
Wilkin	1,000	1,000	15.5	16.0	15,500	16,000
Yellow Medicine	2,300	2,400	16.3	16.5	37,500	39,500
West Central	66,400	63,600	16.0	16.7	1,063,000	1,064,500
Benton	13,400	13,500	15.6	16.3	209,000	220,500
Carver	14,600	14,200	16.6	17.4	243,000	247,500
Kandiyohi	8,500	8,000	16.1	16.8	137,000	134,000
McLeod	11,100	10,300	15.8	16.5	175,000	170,000
Meeker	8,600	8,500	15.9	16.9	137,000	144,000
Morrison	28,100	28,100	16.1	16.6	453,000	465,500
Renville	3,200	3,000	15.9	16.7	51,000	50,000
Scott	7,400	7,300	16.5	17.2	122,000	125,500
Sherburne	1,900	1,800	15.5	16.1	29,500	29,000
Sibley	10,200	9,800	15.8	17.0	161,500	167,000
Stearns	64,500	63,500	16.6	17.3	1,071,000	1,100,500
Todd	23,900	22,500	16.0	16.2	383,000	365,000
Wadena	5,900	5,800	15.9	16.0	94,000	93,000
Wright	15,200	14,500	16.4	17.3	249,500	251,500
Central	216,500	210,800	16.2	16.9	3,515,500	3,563,000

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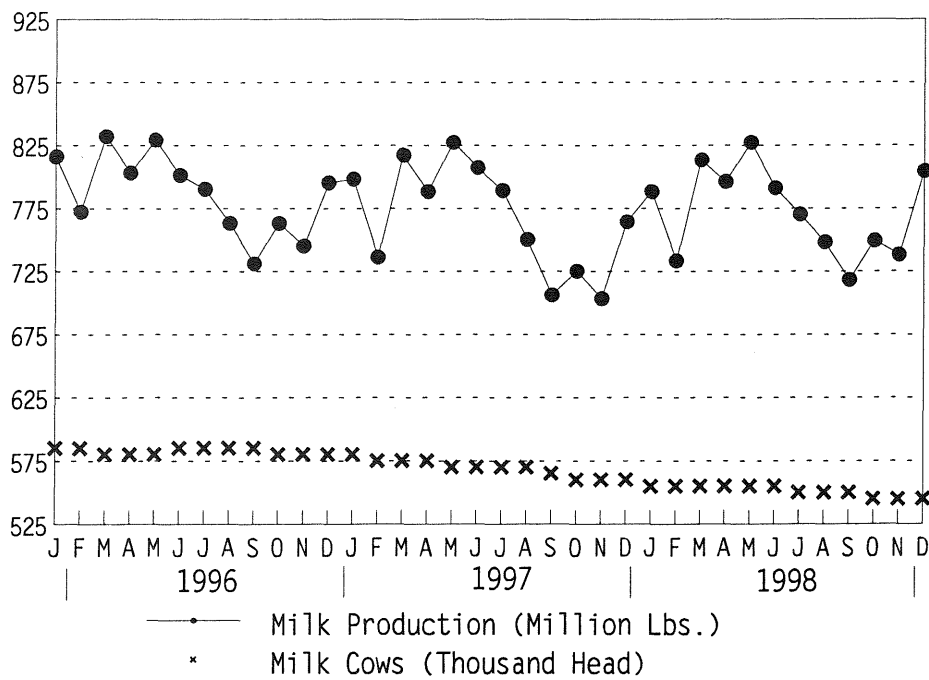
DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY COUNTY AND DISTRICT,
MINNESOTA, 1997-98 (continued)

County and District	Annual Average Milk Cows On Farms		Annual Average Production Per Cow		Total Production	
	1997	1998	1997	1998	1997	1998
	<u>Number</u>		<u>Thousand Pounds</u>		<u>Thousand Pounds</u>	
Aitkin	1,800	1,500	15.0	15.7	27,000	23,500
Anoka	500	500	16.0	16.0	8,000	8,000
Carlton	2,500	2,300	15.0	15.9	37,500	36,500
Chisago	3,800	3,500	15.3	15.9	58,000	55,500
Crow Wing	2,200	2,100	15.5	16.0	34,000	33,500
Hennepin	3,400	2,900	16.0	16.9	54,500	49,000
Isanti	1,800	1,600	15.8	16.6	28,500	26,500
Kanabec	3,700	3,300	15.0	15.8	55,500	52,000
Mille Lacs	6,800	6,300	15.5	15.9	105,500	100,000
Pine	9,100	8,500	15.5	15.6	141,000	133,000
Ramsey	100	100	15.0	15.0	1,500	1,500
Washington	1,600	1,500	16.9	17.0	27,000	25,500
East Central	37,300	34,100	15.5	16.0	578,000	544,500
Cottonwood	1,700	1,600	15.6	15.9	26,500	25,500
Jackson	1,000	800	15.5	16.3	15,500	13,000
Lincoln	3,600	3,400	15.4	15.9	55,500	54,000
Lyon	2,200	1,900	15.5	15.8	34,000	30,000
Murray	4,400	4,400	15.6	16.4	68,500	72,000
Nobles	3,700	3,800	15.7	15.9	58,000	60,500
Pipestone	5,500	5,500	15.2	15.9	83,500	87,500
Redwood	2,800	2,400	15.2	15.6	42,500	37,500
Rock	2,900	2,800	15.5	16.1	45,000	45,000
Southwest	27,800	26,600	15.4	16.0	429,000	425,000
Blue Earth	1,900	1,700	16.8	17.4	32,000	29,500
Brown	8,400	8,200	16.3	16.9	136,500	138,500
Faribault	2,300	2,300	16.5	17.4	38,000	40,000
Freeborn	3,000	2,700	16.3	16.9	49,000	45,500
Le Sueur	4,900	4,800	16.6	17.3	81,500	83,000
Martin	1,600	1,500	15.6	16.3	25,000	24,500
Nicollet	6,100	6,000	16.5	17.4	100,500	104,500
Rice	11,100	10,700	16.1	16.3	179,000	174,500
Steele	6,000	5,600	15.8	16.4	95,000	92,000
Waseca	3,700	3,700	16.2	16.6	60,000	61,500
Watonwan	1,000	1,000	15.5	16.0	15,500	16,000
South Central	50,000	48,200	16.2	16.8	812,000	809,500
Dakota	4,800	4,600	16.8	17.4	80,500	80,000
Dodge	7,100	6,600	16.8	17.7	119,000	116,500
Fillmore	16,700	16,400	16.2	16.7	270,000	274,500
Goodhue	25,300	25,400	16.8	17.6	425,000	446,500
Houston	11,300	11,000	16.4	17.0	185,500	187,000
Mower	5,500	5,300	17.2	17.6	94,500	93,500
Olmsted	11,800	11,200	16.7	17.8	197,500	199,500
Wabasha	21,200	21,200	16.7	17.4	353,500	368,000
Winona	27,100	27,500	17.0	17.8	460,000	488,500
Southeast	130,800	129,200	16.7	17.4	2,185,500	2,254,000
Minnesota	569,000	551,000	16.2	16.8	9,210,000	9,275,000

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 1999

County and District	Grade A	Grade B	Total	County and District	Grade A	Grade B	Total
	Number				Number		
Becker	123	28	151	Aitkin	22	19	41
Clay	29	6	35	Anoka	5	3	8
Clearwater	18	13	31	Carlton	29	15	44
Kittson	4	1	5	Chisago	50	13	63
Mahnomen	32	6	38	Crow Wing	29	16	45
Marshall	21	5	26	Hennepin	40	2	42
Norman	19	9	28	Isanti	13	8	21
Pennington	20	9	29	Kanabec	52	16	68
Polk	45	15	60	Mille Lacs	91	32	123
Red Lake	18	4	22	Pine	116	44	160
Roseau	39	10	49	Ramsey	1	-	1
Northwest	368	106	474	Washington	27	2	29
				East Central	475	170	645
Beltrami	37	5	42	Cottonwood	12	5	17
Cass	30	27	57	Jackson	7	3	10
Hubbard	11	1	12	Lincoln	31	24	55
Itasca	7	3	10	Lyon	21	10	31
Koochiching	4	--	4	Murray	36	20	56
Lake of the Woods	4	-	4	Nobles	31	19	50
North Central	93	36	129	Pipestone	48	22	70
Cook	--	--	--	Redwood	24	18	42
Lake	--	--	--	Rock	30	9	39
St. Louis	22	5	27	Southwest	240	130	370
Northeast	22	5	27	Blue Earth	20	11	31
Big Stone	15	4	19	Brown	111	27	138
Chippewa	9	2	11	Faribault	16	4	20
Douglas	179	35	214	Freeborn	38	10	48
Grant	26	7	33	Le Sueur	54	10	64
Lac Qui Parle	15	15	30	Martin	13	6	19
Otter Tail	452	75	527	Nicollet	63	20	83
Pope	115	16	131	Rice	141	31	172
Stevens	10	2	12	Steele	88	19	107
Swift	33	10	43	Waseca	44	5	49
Traverse	--	2	2	Watsonwan	12	5	17
Wilkin	15	3	18	South Central	600	148	748
Yellow Medicine	18	12	30	Dakota	55	7	62
West Central	887	183	1,070	Dodge	68	9	77
Benton	184	29	213	Fillmore	168	118	286
Carver	162	49	211	Goodhue	265	31	296
Kandiyohi	120	22	142	Houston	130	45	175
McLeod	139	41	180	Mower	66	8	74
Meeker	100	18	118	Olmsted	143	32	175
Morrison	452	81	533	Wabasha	218	45	263
Renville	40	15	55	Winona	294	50	344
Scott	88	18	106	Southeast	1,407	345	1,752
Sherburne	19	8	27	Minnesota	7,154	1,706	8,860
Sibley	107	34	141				
Stearns	1,014	111	1,125				
Todd	367	87	454				
Wadena	85	28	113				
Wright	185	42	227				
Central	3,062	583	3,645				

Source: MN DEPARTMENT OF AGRICULTURE, DAIRY & FOOD DIVISION AND USDA, AGRICULTURAL MARKETING SERVICE

POULTRY

In 1998, Minnesota's turkey growers raised 44.5 million turkeys, down 2% from the previous year. The total liveweight of turkeys produced was a record-high 1.028 billion pounds. The average price received for turkeys in 1998 was 35 cents per pound, down 4 cents from 1997. The value of the state's turkey production in 1998 was down 9% to \$359.8 million.

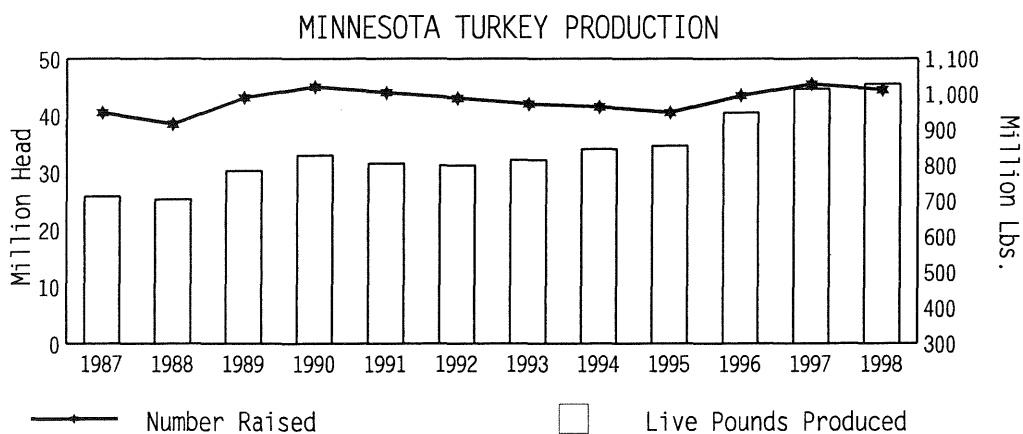
During 1998, hatcheries in the West North Central Region (which includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Minnesota) placed 95.8 million turkey poults, down slightly from 1997.

The state's egg production in 1998 was 3.15 billion eggs, an increase of 7% from 1997. The value of eggs produced fell 8% in 1998 to \$126.1 million. The all-egg price decreased to 48.0 cents per dozen. The annual average number of layers on farms rose 2% to 12.2 million. The total chicken inventory (excluding broilers) on December 1, 1998 was up 6% to 15.6 million birds.

Value of sales from chickens (excluding broilers) fell 9% to \$571,000.

In 1998, the number of broilers produced decreased 9% to 42.3 million. From 1997 to 1998, value of production decreased 10% to \$80.8 million. The annual average price per pound increased to 39.0 cents per pound.

Hatchery production of egg-type chicks decreased 3% to 22.3 million in 1998. These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.



POULTRY: CHICKEN INVENTORY, EGG PRODUCTION, AND VALUE, MINNESOTA, 1994-98

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>
1994	14,230	10,885	6,800	318	2,669	88,967	23,397
1995	14,800	11,435	4,700	118	2,823	98,335	26,447
1996	14,995	11,860	5,000	198	3,087	150,491	24,256
1997	14,730	11,955	5,800	629	2,957	137,747	22,866
1998	15,575	12,240	6,100	571	3,152	126,080	22,273

1/ December previous year through November current year.

POULTRY: BROILER AND TURKEY PRODUCTION, AND VALUE, MINNESOTA, 1994-98

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>
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
1997	46,300	90,300	45,500	395,714
1998	42,300	80,847	44,500	359,783

1/ December previous year through November current year.

POULTRY: LAYERS AND EGG PRODUCTION BY DISTRICT, MINNESOTA 1997-98

District	Annual Average Layers		Annual Average Eggs per Layer		Total Egg Production	
	1997	1998	1997	1998	1997	1998
	<u>Number</u>		<u>Number</u>		<u>1,000 Eggs</u>	
<u>Northwest</u>	1,105,000	1,125,000	258	265	285,100	298,000
<u>West Central</u>	545,000	560,000	255	264	139,000	148,000
<u>Central</u>	6,452,000	6,842,000	252	262	1,624,300	1,794,000
<u>Southwest</u>	384,000	310,000	257	261	98,700	81,000
<u>South Central</u>	2,340,000	2,300,000	252	261	589,700	601,000
<u>Southeast</u>	230,000	245,000	250	257	57,500	63,000
<u>Other Districts</u>	656,000	650,000	248	257	162,700	167,000
<u>MINNESOTA</u>	11,712,000	12,032,000	252	262	2,957,000	3,152,000

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

POULTRY: PRODUCTION BY MONTH, MINNESOTA, 1994-98

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual 1/
Chickens: Layers on Farms													
	<u>Million</u>												
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
1997	11.9	11.9	11.8	11.7	11.6	11.5	11.5	11.6	11.6	11.7	11.8	12.0	11.7
1998	12.0	12.1	12.0	12.0	12.1	12.0	11.9	12.0	12.0	12.1	12.2	12.1	12.0
Eggs: Average Number Laid per Layer per Month													
	<u>Number</u>												
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
1997	21.4	19.4	21.8	21.0	21.5	20.6	21.2	21.0	20.7	21.7	20.9	21.7	252
1998	21.9	20.2	22.8	22.0	22.6	22.0	22.0	21.7	21.9	22.4	21.0	21.8	262
Eggs: Production on Farms 2/													
	<u>Million Eggs</u>												
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
1997	255	230	256	246	249	237	244	244	241	253	247	260	2,957
1998	263	243	273	263	274	264	262	261	263	270	256	264	3,152
Chickens: Egg-Type Hatchery Production													
	<u>1,000 Birds</u>												
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
1997	2,173	2,247	1,963	1,840	2,234	1,828	1,794	1,507	2,041	1,946	1,483	1,810	22,866
1998	1,935	1,610	1,715	1,870	2,068	2,218	1,659	1,621	2,016	1,961	1,681	1,919	22,273

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, 1994-98

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual 1/
Turkeys: Hatchery Placements 2/													
	<u>1,000 Birds</u>												
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
1997	7,586	8,025	8,141	8,365	8,688	8,802	9,104	8,069	7,077	7,292	6,955	7,904	96,008
1998	7,885	7,356	8,648	8,063	8,063	9,055	8,566	7,813	6,974	7,175	7,397	8,844	95,839

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 poultry.

MINK: OPERATIONS AND PRODUCTION, MINNESOTA, 1994-98

Year	Number of Mink Farms	Pelts Produced	Females Bred 1/
		<u>Number</u>	
1994	53	305,000	75,500
1995	52	306,000	68,500
1996	40	293,300	68,500
1997	46	310,600	69,900
1998	44	268,300	57,000

1/ Females bred to produce kits the following year.

BEE AND HONEY: COLONIES AND PRODUCTION, MINNESOTA, 1994-98

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 Dollars</u>
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	90	10,395
1997	145	73	10,585	2,011	74	7,833
1998	140	79	11,060	2,765	65	7,189

1/ Does not include stocks under loan.

EQUINE: INVENTORY 1998-99; NUMBER SOLD AND VALUE OF SALES, 1997-98, MINNESOTA

Year	Inventory	Number Sold	Value of Sales
	<u>1,000 Head</u>	<u>1,000 Head</u>	<u>1,000 Dollars</u>
1997	N/A	14.0	17,000
1998	155.0	15.0	18,000
1999	155.0	--	--



Section 4

Farm Prices



CROP PRICES

The 1998 Minnesota annual average price for corn decreased 40 cents from 1997 and soybeans decreased \$1.10. Wheat decreased 32 cents and hay decreased \$20.50 while dry beans increased \$2.00. 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, 1994-98

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>												
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	2.68	2.54	2.44	2.47
1997	2.44	2.41	2.59	2.59	2.52	2.48	2.29	2.29	2.27	2.35	2.35	2.32	2.15
1998	2.35	2.36	2.36	2.29	2.28	2.18	2.02	1.68	1.57	1.71	1.74	1.74	1.75
Soybeans 3/													
	<u>Dollars per Bushel</u>												
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	7.26
1997	6.86	7.17	7.79	8.08	8.23	8.22	7.44	7.02	6.48	6.27	6.61	6.68	6.20
1998	6.39	6.40	6.21	6.14	6.16	5.98	5.95	5.26	4.94	4.98	5.18	5.09	5.10
Sunflowers 3/													
	<u>Dollars per Cwt.</u>												
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	9.68	12.90	13.20	14.10	13.10
1997	14.00	13.60	12.70	13.60	12.70	13.00	12.10	10.70	13.20	11.70	11.40	11.20	12.30
1998	11.20	12.00	12.30	13.10	13.40	13.30	14.10	12.80	11.90	11.20	12.50	11.40	11.30
All Wheat 5/													
	<u>Dollars per Bushel</u>												
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	4.25
1997	4.03	3.84	3.94	4.08	3.99	3.78	3.54	3.77	3.67	3.49	3.58	3.49	3.52
1998	3.39	3.34	3.47	3.42	3.41	3.30	3.12	2.96	2.85	3.17	3.31	3.30	3.20
Oats 5/													
	<u>Dollars per Bushel</u>												
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	1.84
1997	1.63	1.67	1.83	1.78	1.80	1.73	1.54	1.45	1.42	1.49	1.56	1.58	1.46
1998	1.42	1.49	1.51	1.51	1.35	1.44	1.03	0.93	0.98	0.92	0.92	1.25	0.95

1/ 1998 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, 1994-98 (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>												
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	2.96	2.74	2.48	2.29	2.32	2.26	2.38
1997	2.25	2.17	2.20	2.24	2.22	2.06	2.02	1.84	1.86	2.09	1.95	1.88	1.88
1998	1.77	1.69	1.79	1.75	1.82	1.73	1.68	1.51	1.83	2.03	1.54	1.75	1.60
All Hay Baled 3/													
	<u>Dollars per Ton</u>												
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	71.00
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	73.00	66.00	60.00	68.00	72.00	86.00	84.00	81.00
1997	90.00	87.00	93.00	95.00	108.00	96.00	94.00	91.00	93.00	91.00	89.00	90.00	88.00
1998	89.00	89.00	82.00	79.00	75.00	73.00	76.00	71.00	66.00	55.00	68.00	66.00	67.50
Alfalfa Hay, Baled 3/													
	<u>Dollars per Ton</u>												
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	75.50
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	96.00
1997	98.00	101.00	103.00	109.00	115.00	110.00	104.00	103.00	102.00	97.00	100.00	95.00	98.00
1998	100.00	105.00	94.00	89.00	83.00	83.00	86.00	81.00	71.00	65.00	74.00	70.00	68.00
All Other Hay, Baled 3/													
	<u>Dollars per Ton</u>												
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	50.50
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	61.50
1997	74.00	75.00	71.00	70.00	67.00	63.00	69.00	73.00	73.00	68.00	63.00	68.00	61.00
1998	64.00	52.00	55.00	41.00	57.00	51.00	52.00	49.00	47.00	41.00	45.00	49.00	47.50
Dry Beans 4/													
	<u>Dollars per Cwt.</u>												
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	24.40	26.10	21.90	23.00
1997	23.50	21.30	21.90	17.40	18.30	17.30	18.90	5/	15.90	16.00	16.50	17.70	17.50
1998	18.60	20.60	19.80	17.70	17.20	18.00	21.10	19.70	19.70	18.70	21.00	20.30	19.70
Potatoes 2/													
	<u>Dollars per Cwt.</u>												
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	4.65
1997	4.30	4.35	4.70	4.35	4.40	1.25	5/	7.40	5.35	4.70	5.10	4.95	5.55
1998	6.20	6.20	6.65	6.60	5.85	5/	5/	7.40	4.35	4.40	4.45	5.65	5.20

1/ 1998 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 1998 Minnesota annual average prices for meat animals were lower than 1997. Beef cattle were down \$3.80 per hundredweight while steers and heifers were down \$2.70. Cows increased 10 cents and calves were up \$4.80. All hogs and barrows and gilts both decreased \$18.80 while sows decreased \$19.20. Sheep were down \$6.60 and lambs were down \$19.40. Milk cows for dairy herd replacement were up \$30.00 per head. Turkeys were down 4 cents per pound while table market eggs were down 8 cents per dozen. All milk was up \$2.36 per 100 pounds while grade A milk was up \$2.34. Manufacturing grade milk was up \$2.29 per 100 pounds.

PRICES RECEIVED BY FARMERS FOR LIVESTOCK: BY MONTH, MINNESOTA, 1994-98

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average Price
Beef Cattle 1/													
<u>Dollars per Cwt.</u>													
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
1997	59.70	59.70	61.10	62.00	62.10	61.20	61.40	62.10	61.60	60.90	61.00	60.80	61.10
1998	60.70	59.60	57.70	59.00	59.50	59.50	58.90	56.70	55.20	54.30	54.20	54.60	57.30
Steers and Heifers													
<u>Dollars per Cwt.</u>													
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
1997	63.00	62.00	63.90	64.50	64.80	63.50	63.80	64.60	64.90	64.10	64.20	64.00	64.00
1998	63.60	62.20	61.80	63.30	64.00	64.50	63.60	59.80	58.90	58.90	59.20	57.90	61.30
Cows 2/													
<u>Dollars per Cwt.</u>													
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
1997	29.80	32.70	36.60	38.00	37.00	36.90	37.90	36.30	34.00	33.50	31.10	32.50	34.40
1998	33.00	36.70	35.60	35.60	38.80	37.10	36.20	35.50	33.20	32.30	31.00	32.40	34.50
Calves													
<u>Dollars per Cwt.</u>													
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
1997	57.50	65.00	63.60	65.40	63.70	61.70	64.50	68.30	68.90	62.00	62.50	65.00	64.00
1998	71.00	74.00	70.40	72.50	78.20	72.60	63.80	66.80	62.60	65.20	60.60	68.70	68.80

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, 1994-98 (continued)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average Price
Hogs 1/ 2/													
	Dollars per Cwt.												
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
1997	54.80	54.00	50.40	54.50	59.20	58.90	60.40	57.30	51.90	49.00	46.80	43.10	54.30
1998	36.30	37.30	35.40	35.40	42.40	43.50	38.20	36.70	30.30	29.00	19.30	15.20	35.50
Barrows and Gilts 1/													
	Dollars per Cwt.												
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
1997	55.10	54.20	50.60	54.90	59.60	59.40	61.00	57.80	52.40	49.40	47.20	43.40	54.70
1998	36.60	37.60	35.70	35.70	42.90	44.10	38.70	37.10	30.80	29.30	19.40	15.30	35.90
Sows 1/													
	Dollars per Cwt.												
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
1997	48.00	48.30	46.40	45.70	50.80	47.50	47.10	45.90	41.30	39.50	36.10	34.10	45.40
1998	27.70	28.30	27.90	27.90	30.20	30.40	27.00	25.40	20.00	20.20	16.50	11.60	26.20
Sheep													
	Dollars per Cwt.												
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
1997	36.70	35.90	35.30	30.70	29.30	31.40	35.70	38.60	31.80	33.10	33.50	38.20	33.80
1998	38.20	38.70	37.50	30.20	26.90	22.80	23.70	23.00	23.90	21.60	20.50	27.10	27.20
Lambs													
	Dollars per Cwt.												
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
1997	99.70	102.00	99.10	94.50	101.00	89.70	80.10	92.10	83.90	82.70	80.40	84.80	90.80
1998	76.40	71.00	69.10	65.00	71.40	92.60	78.70	78.50	71.20	64.50	58.30	61.80	71.40

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

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

--continued

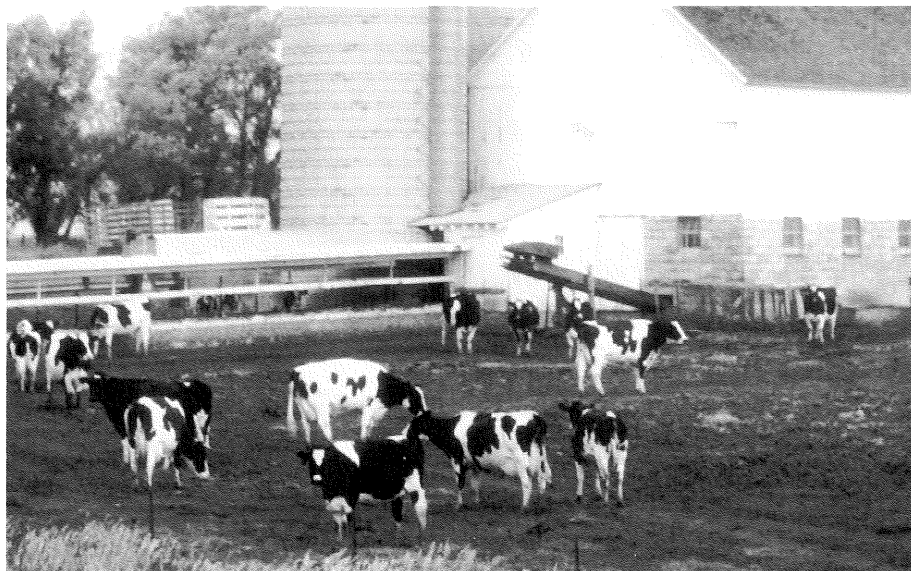


PRICES RECEIVED BY FARMERS FOR MILK AND MILK COWS: BY MONTH,
MINNESOTA, 1994-98 (continued)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average Price
All Milk													
	<u>Dollars per Cwt.</u>												
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
1997	13.16	13.46	13.47	12.64	12.00	11.80	11.85	12.98	13.57	14.21	14.77	14.90	13.19
1998	14.83	14.84	14.28	13.41	12.47	14.22	15.11	15.61	16.76	18.07	18.66	18.86	15.55
Fluid Market Milk													
	<u>Dollars per Cwt.</u>												
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
1997	13.27	13.56	13.58	12.76	12.13	11.92	11.96	13.09	13.65	14.29	14.86	15.01	13.31
1998	14.93	14.94	14.39	13.52	12.59	14.32	15.19	15.69	16.86	18.15	18.74	18.95	15.65
Manufacturing Grade Milk													
	<u>Dollars per Cwt.</u>												
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
1997	12.00	12.38	12.32	11.36	10.69	10.60	10.72	11.85	12.62	13.20	13.59	13.55	11.95
1998	13.50	13.48	12.92	11.99	11.05	13.04	14.08	14.54	15.45	16.95	17.53	17.70	14.24
Milk Cows 1/													
	<u>Dollars per Head</u>												
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
1997	1,010	--	--	1,010	--	--	1,030	--	--	1,030	--	--	1,020
1998	990	--	--	1,050	--	--	1,030	--	--	1,110	--	--	1,050

1/ Milk cows for dairy herd replacement only.

-- continued



PRICES RECEIVED BY FARMERS FOR POULTRY: BY MONTH, MINNESOTA, 1994-98 (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>												
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
1997	41	38	41	40	41	41	40	39	39	39	38	36	39
1998	36	36	37	36	35	34	34	34	35	34	33	33	35

Table Market Eggs 1/

	<u>Cents per Dozen</u>												
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
1997	58	58	55	48	45	42	45	46	50	48	65	60	53
1998	50	43	51	43	33	39	40	44	43	47	51	55	45

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.

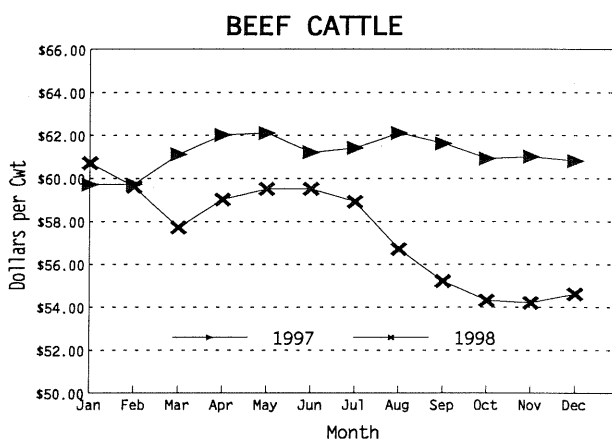
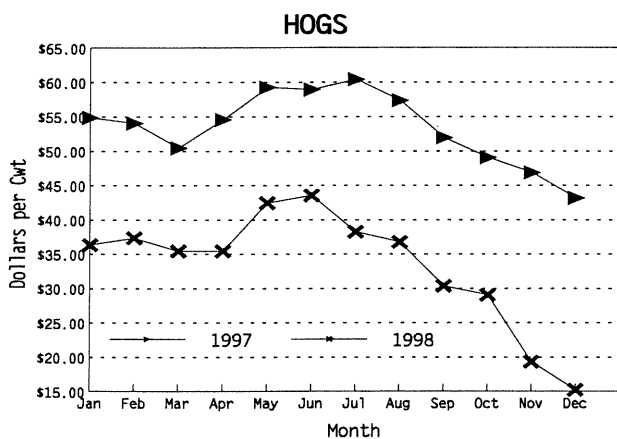
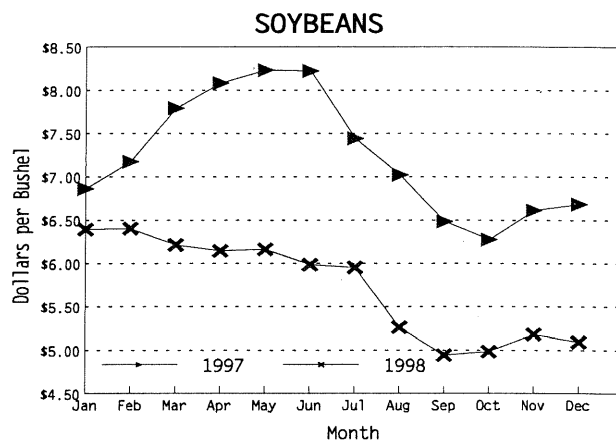
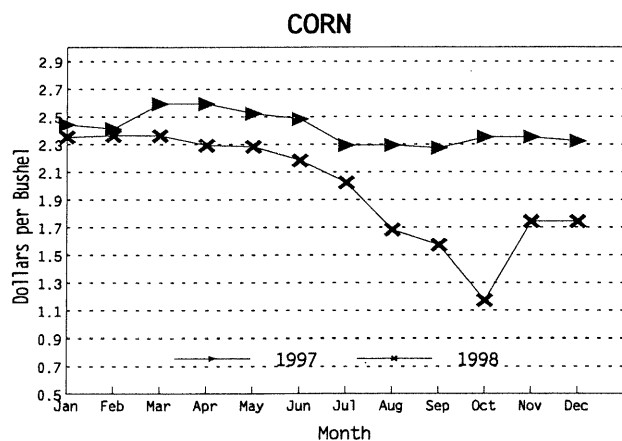
PRICES PAID BY FARMERS FOR FEEDER PIGS: BY QUARTER, MINNESOTA, 1994-98

Year	Nov 1/	Feb	May	Aug
	<u>Dollars per Cwt.</u>			
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
1997	108.00	122.00	131.00	110.00
1998	97.00	94.00	88.50	64.50

1/ November previous year.

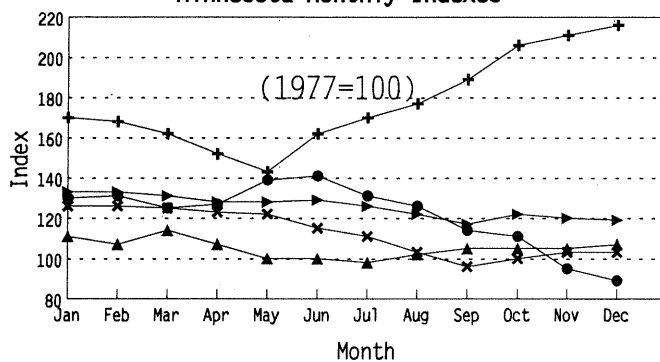


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District Estimates	97	Onions	33	Value	30
Prices	96, 106	Peas, Green For Processing	18, 33, 69	Wild Rice	72
Production	96, 97, 98	Planting Dates	23-24	Wool	88
		Potatoes:			
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Minnesota Agricultural
Statistics Service
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Bulk Rate
Postage & Fees Paid
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