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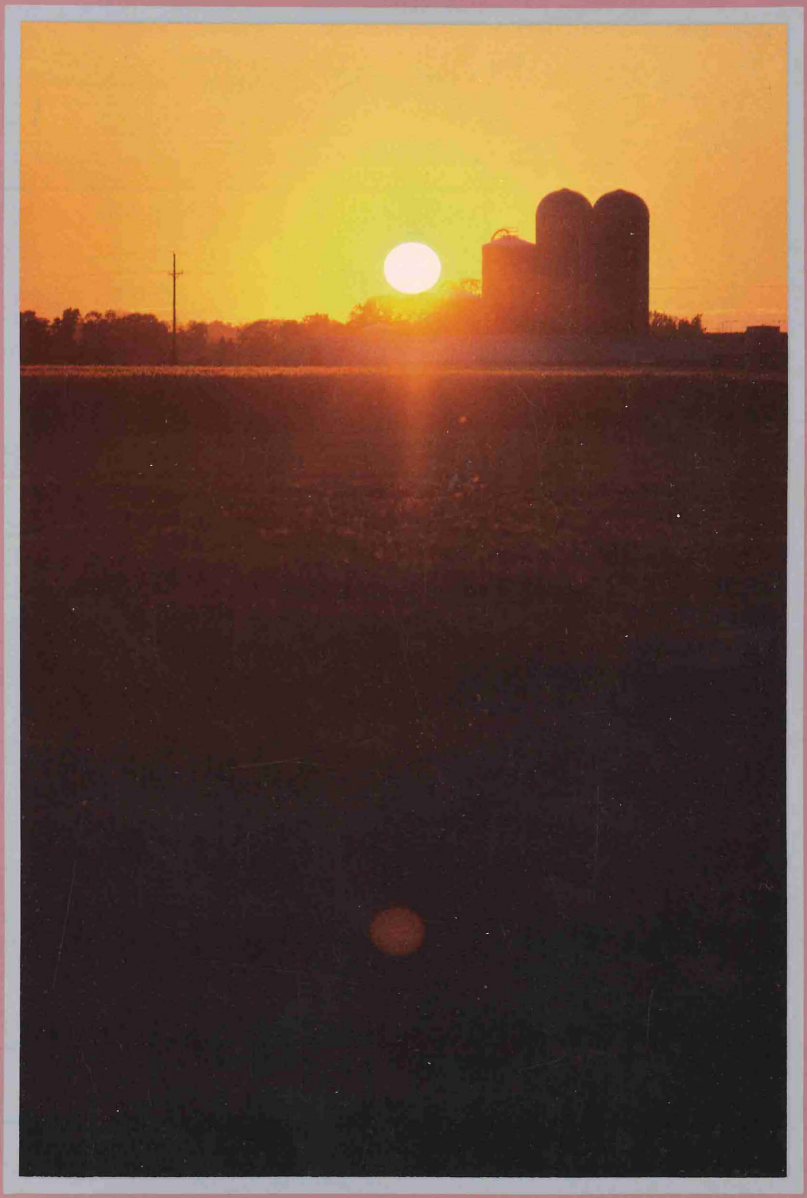
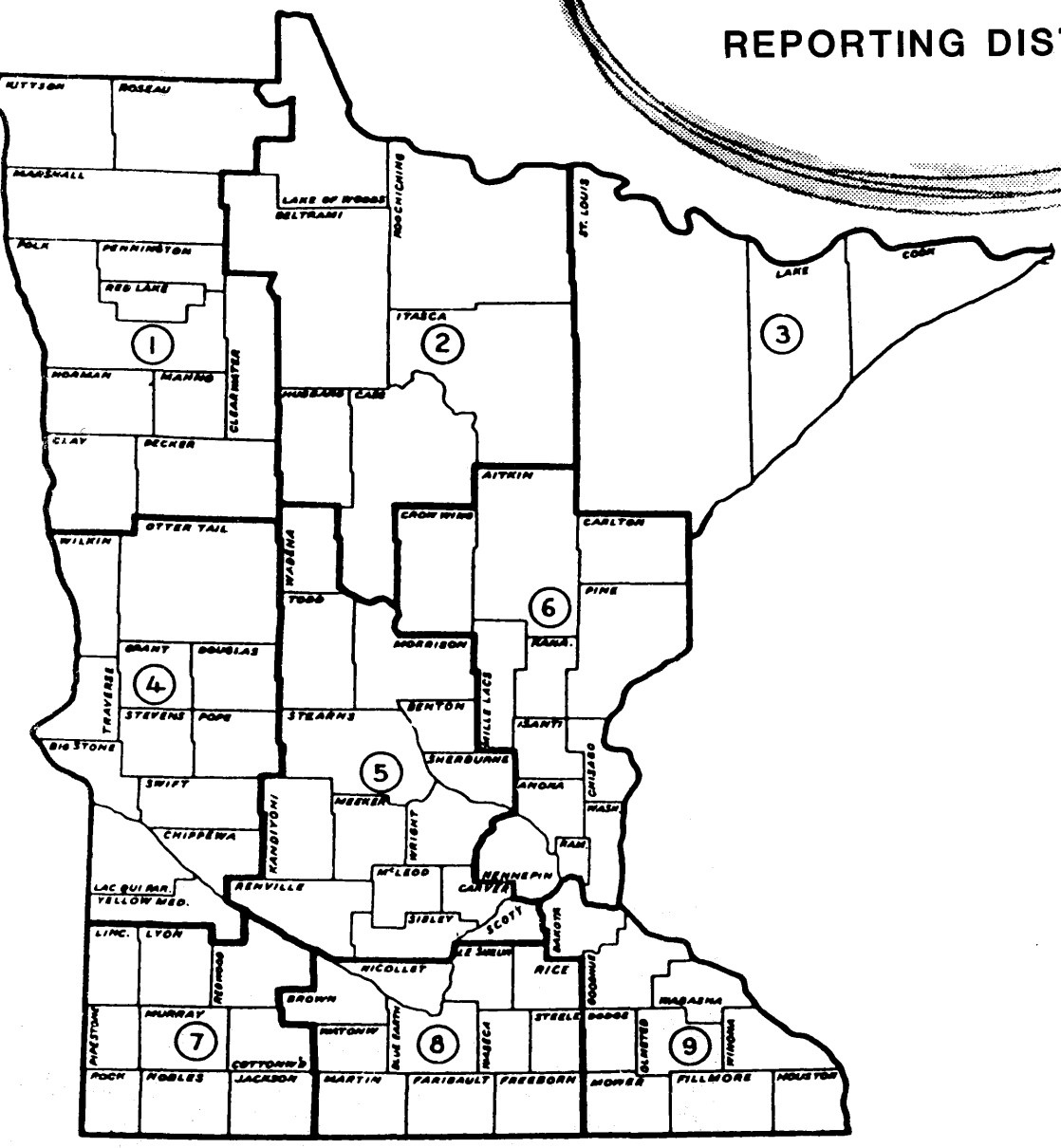
Minnesota Agriculture Statistics

1988



MINNESOTA'S

AGRICULTURAL REPORTING DISTRICTS



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Minnesota Agriculture Statistics 1988

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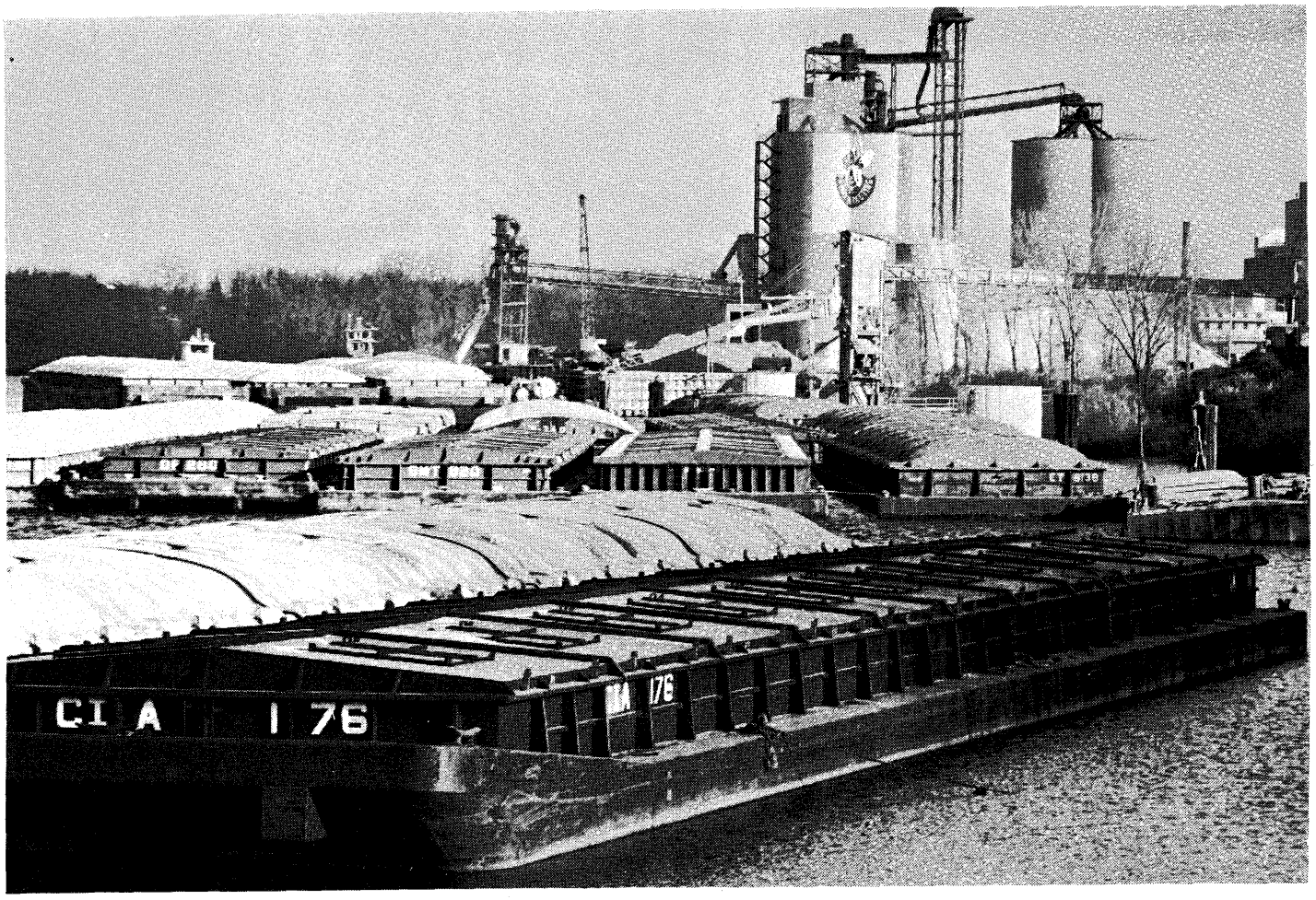


Agriculture's more than putting a crop in the ground.

The business of agriculture involves some tough decisions in planning, production, marketing, distribution, retailing, and legislation. For 125 years, the National Agricultural Statistics Service (NASS) has been providing the industry with the information tools it needs to do the job right.

Here in Minnesota, we've been part of this national network since 1909 and a working partnership with the State of Minnesota went into effect in 1922.

Our service has depended on the cooperation of farmers, agribusinesses, farm groups, and others. Whoever said, "Communication is a 2-way street" was right. The information and input you've given has spelled the success story of the agricultural statistics service and we salute you for your efforts in this anniversary year.

NATIONAL AGRICULTURAL STATISTICS SERVICE
1863-1988

-Foreword-

STATE OF MINNESOTA
DEPARTMENT OF AGRICULTURE
OFFICE OF THE COMMISSIONER

Minnesota continues to aggressively pursue world markets for its high quality agricultural products. Exports of farm products are the only bright spot in the U.S.'s trade balance and trade barriers must come down for us to compete more effectively for an increasing world demand for food. While most of our farm products are used domestically, the overwhelming productive capacity of our farms means we must export the production of 1 out of every 3 or 4 acres of farmland.

Agriculture is Minnesota's most exportable product. A quick look through this issue of **Minnesota Agricultural Statistics** will show you the wide variety of products we have on tap for export. Many of you will recall a demonstration of that capability in December 1985 when Minnesota farmers sent enough food to Sudan to feed 20,000 famine victims for six months.

Here in Minnesota, agriculture is an industry which continually generates new wealth and this wealth spins off to the entire economy. Exports play an important part because every $1 in export sales generates about $3 off the farm.

In Minnesota, we're especially concerned about conserving our farmland for future generations and we've got an excellent conservation program in place. However, our productive capacity is so great that world markets will always play a major role in our state's agriculture.

The 1988 **Minnesota Agricultural Statistics** is the 66th issue provided by the Department of Agriculture. It also marks the 125th anniversary of the National Agricultural Statistics program of the U.S. Department of Agriculture which put the "information wheels" in motion. Here in Minnesota, we're proud that we've been part of this program since 1922 and we'll continue that spirit of cooperation in the years ahead.

This book is a planning and marketing tool for our clientele — producers, legislators, educators, and others. It's also a message to buyers of our farm products: We've got a top notch product for sale here in Minnesota — come and talk with us.

Jim Nichols

Jim Nichols, Commissioner
Minnesota Department of Agriculture

This issue of **Minnesota Agricultural Statistics** is especially important to us since it marks the 125th anniversary of agricultural statistics on a nationwide level. The first crop report was issued in July of 1863, when Minnesota had been a state for only 5 years. This was right in the middle of the Civil War when it was especially important to know potential food supplies.

Agricultural statistics don't just happen. For 125 years, we have continually relied on the support of farmers and agribusinesses to supply us with the information we need to make our reports. You've always come through with flying colors and we appreciate that. This book is a testimonial to that participation.

Throughout our history, you've told us when we needed to make changes and we've responded by improving our survey methods and expanding coverage. We continue to rely on this dialogue to help us improve — our door is always open.

Carroll Rock

Carroll Rock
State Statistician

Minnesota Agricultural Statistics Service

Contents

SECTION 1:

MINNESOTA'S RANK,
NUMBER OF FARMS, FARM INCOME,
EXPORTS, FOOD COSTS, WEATHER SUMMARY

PAGE

Minnesota's Rank Among States----------4
Leading Counties in Cash Receipts
and Agricultural Production----------5
Number of Farms, Land in Farms, Average Size---6
Minnesota Farmland Values----------7
Farm Income, Expenses----------8
Cash Receipts by Commodity----------9
County Estimates: Cash Receipts----------10-11
Balance Sheet of Agriculture----------12
Charts: World-Wide Consumer Expenses
For Food; Farm Retail Price Spreads---------13
Charts: Farm Share Of Food Dollar; Price
Spreads By Commodity Groups----------14
Agricultural Exports----------15
Weather Summary----------16-18

SECTION 2:

CROPS

1987 Crop Summary----------20
Records in Crop Production & Grain Stocks-----21
Charts: Acreage & Production of Major
Crops, Corn Yields----------22
Historic Crop Data:
Corn, Soybeans, Oats, Barley, Rye----------23
Wheat, Flaxseed, Sugarbeets----------24
Sunflowers, Hay----------25
Potatoes, Dry Edible Beans----------26
Sweet Corn, Green Peas,
Onions, Carrots, Apples----------27
Grain Marketings By Months----------28
Grain Stocks----------29
Geographic Distribution, Cropland By County---30
Geographic Distribution, Major Crops----------31
County Estimates:
Cropland Planted As Percent Of All Land--32-33
Corn----------34-35
Corn For Silage----------36-37
Soybeans----------38-39
All Wheat----------40-41
Spring Wheat----------42-43
Oats----------44-45
All Hay----------46-47
Alfalfa Hay----------48-49
Barley----------50
Flax----------51
Rye----------52
Potatoes, Sugarbeets----------53
Dry Edible Beans----------54
Sunflowers----------55
Sweet Corn----------56
Green Peas----------57
Average Planting And Harvesting Dates---------58
Planting Progress Charts, Major Crops---------59
Harvesting Progress Charts, Major Crops-------60
Wild Rice Production----------61
Fertilizer Usage----------61

SECTION 3:

LIVESTOCK, DAIRY, POULTRY

PAGE

Summary, Number of Livestock Farms----------63
Records In Livestock, Dairy, Poultry----------64
Charts: Livestock on Farms, Slaughter--------65
Livestock Inventories And Value----------66
Cattle & Calf Disposition----------67
Cattle Inventories, Production, Income--------67
Cattle On Feed By Quarters----------67
County Estimates: Cattle, Sheep----------68-69
Beef Cows, Milk Cows----70-71
Geographic Distribution: Cattle, Hogs---------72
Sheep, Eggs---------73
Sows Farrowed, Pig Crop, Disposition----------74
Hogs And Pigs By Quarters----------74
Hog Production And Income----------75
Mink Production----------75
County Estimates: Hogs On Farms,
Sows Farrowed, Pig Crop----------76-77
Sheep, Lambs, Wool----------78
Monthly Livestock Slaughter----------79
Milk Production, Disposition, Income----------80
Manufactured Dairy Products----------80
Monthly Dairy Production----------81
County Estimates: Milk Production,
Milk Cows, Production Per Cow----------82-83
Charts: Milk Production, Milk Cows,
Geographic Distribution of Production-------84
Poultry Summary----------85
Chicken & Egg Inventory, Production, Value----86
Broilers & Turkey Production, Value----------86
Monthly Poultry Production----------87
County Estimates: Hens And Pullets,
Rate Of Lay, Egg Production----------88-89

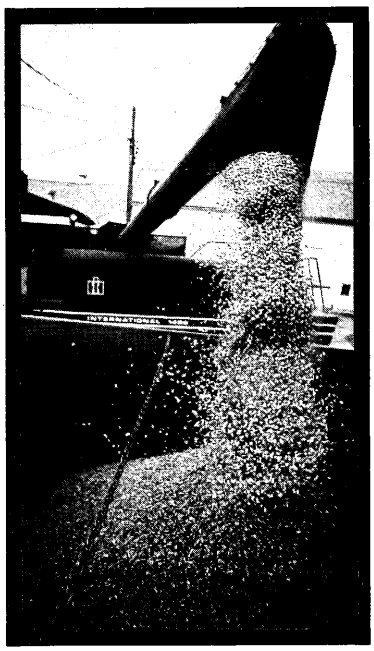
SECTION 4:

PRICES

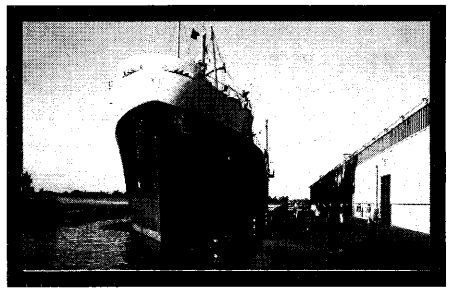
Crop Prices----------91-92
Livestock Prices----------93-94
Dairy Prices----------95
Poultry Prices----------96
Charts: Prices Received, Major
Commodities, Prices Received Index----------97

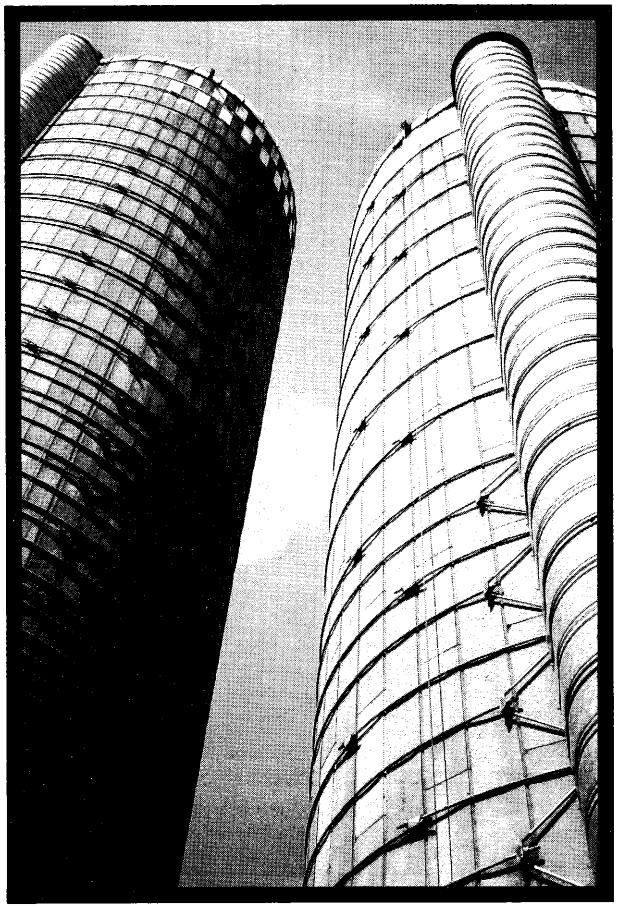
INDEX----------98-99

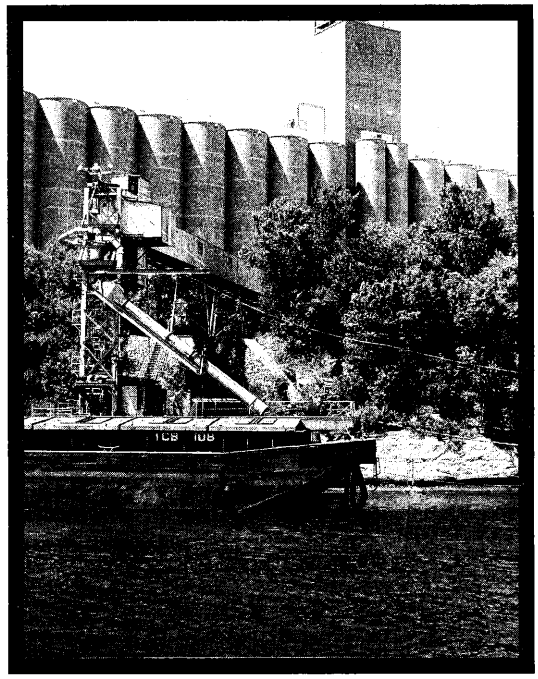
SECTION 1



MINNESOTA'S AG RANKINGS, LAND VALUES, FARM NUMBERS, FARM INCOME, WEATHER SUMMARY





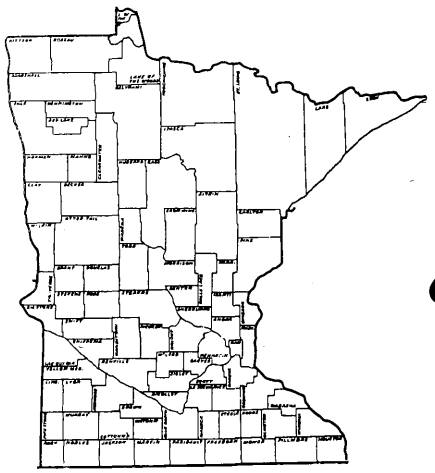


State Rankings

MINNESOTA'S RANK AMONG STATES

ITEM	1	2	3	4	5	6	7	8	9	10
Number of Farms, June 1, 1987 1/	TX	MO	IA	KY	TN	MN	IL	OH	WI	CA
Cash Farm Receipts, 1987:										
Total	CA	TX	IA	NE	IL	MN	KS	WI	FL	IN
Crops	CA	FL	IL	IA	TX	MN	IN	NE	WA	KS
Livestock & Livestock Products	TX	IA	NE	CA	WI	KS	MN	CO	IL	PA
Crop Production, 1987:										
Corn	IA	IL	NE	MN	IN	OH	WI	MO	SD	MI
Soybeans	IA	IL	MN	IN	MO	OH	NE	AR	KS	MS
All Wheat	KS	ND	MT	OK	WA	SD	MN	TX	CO	NE
Other Spring Wheat	ND	MN	MT	SD	ID	WA	CO	OR	UT	NV
Oats	SD	MN	WI	ND	IA	OH	NE	MI	PA	IL
Barley	ND	MT	ID	MN	WA	SD	OR	CA	CO	UT
All Sunflowers	ND	SD	MN	TX	--	--	--	--	--	--
All Hay	CA	WI	TX	MN	SD	IA	NE	MO	KS	NY
All Potatoes	ID	WA	OR	ME	ND	CO	WI	CA	MN	MI
Sugarbeets	MN	CA	ID	ND	MI	WY	NE	MT	CO	TX
Flaxseed	ND	SD	MN	--	--	--	--	--	--	--
Rye	ND	SD	GA	MN	NE	NC	MI	PA	SC	VA
Sweet Corn for Processing	WI	MN	WA	OR	NY	ID	IL	MD	DE	PA
Green Peas for Processing	WI	MN	WA	OR	NY	DE	--	--	--	--
Dry Edible Beans	MI	ND	NE	CA	ID	CO	MN	WA	WY	NY
Livestock, Dairy, Poultry:										
Red Meat Production, 1987	IA	KS	NE	TX	IL	MN	CO	CA	WI	SD
Cattle & Calves, Jan. 1, 1988 2/	TX	KS	NE	OK	CA	IA	MO	WI	SD	MN
Milk Cows, Jan. 1, 1988	WI	CA	NY	MN	PA	OH	MI	TX	IA	MO
Cattle & Calves on Feed, Jan.1, 1988	TX	NE	KS	CO	IA	CA	IL	AZ	OK	MN
Cattle & Calves Marketed, 1987	TX	NE	KS	OK	IA	CO	CA	MO	SD	MN
Hogs, December 1, 1987	IA	IL	IN	MN	NE	MO	NC	OH	SD	KS
Pig Crop, 1987	IA	IL	MN	IN	NE	MO	NC	OH	SD	WI
Hogs Marketed, 1987	IA	IL	MN	IN	NE	MO	NC	OH	SD	WI
Stock Sheep & Lambs, Jan.1, 1988 3/	TX	CA	WY	SD	MT	UT	NM	CO	OR	IA
Lamb Crop, 1987 4/	TX	CA	SD	WY	MT	UT	OR	CO	IA	ID
All Chickens, December 1, 1987 5/	CA	IN	GA	AR	OH	PA	NC	TX	AL	FL
Eggs Produced, Dec.1986-Nov.1987 5/	CA	IN	PA	GA	OH	AR	TX	NC	AL	FL
Turkeys Raised During 1987	NC	MN	CA	AR	VA	MO	IN	IA	PA	WI
Milk Production, 1987	WI	CA	NY	MN	PA	MI	OH	TX	WA	IA
Dairy Products Manufactured During 1987										
Total Cheese	WI	MN	NY	CA	IA	PA	MO	ID	SD	VT
American Cheese	WI	MN	CA	IA	ID	NY	SD	MO	ND	IN
Butter	WI	CA	MN	WA	PA	MI	NY	KS	MO	OH
Nonfat Dry Milk	CA	MN	IA	MI	WI	NY	ND	--	--	--
Ice Cream	CA	PA	TX	MA	NY	OH	MN	MI	FL	NC
Mink, 1986	WI	MN	UT	ID	OR	WA	IL	MI	IA	PA
Honey Produced, 1987	SD	ND	FL	CA	MN	NE	MT	TX	WI	ID
Exports	CA	IA	IL	NE	TX	KS	MN	IN	ND	OH

1/ IL & OH tied for 7th place.
2/ CA and IA tied for 5th place.
3/ MN ranked 15th.
4/ CO and IA tied for 8th place; Minnesota ranked 13th.
5/ MN ranked 11th.

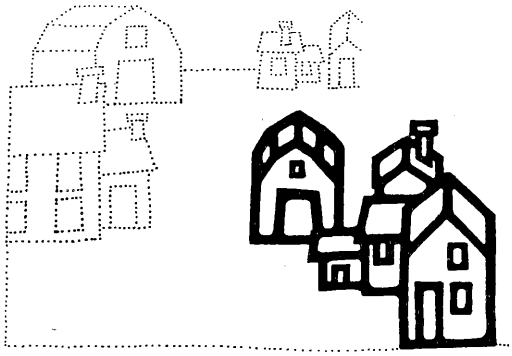


County Rankings

MINNESOTA'S LEADING AGRICULTURAL COUNTIES

ITEM	1	2	3	4	5	6	7	8	9	10
1986 CASH FARM RECEIPTS										
Total.....	Polk	Stearns	Ottertail	Renville	Martin	Redwood	Faribault	Nobles	Kandiyohi	Freeborn
Crops.....	Polk	Renville	Marshall	Clay	Martin	Faribault	Redwood	Freeborn	Wilkin	Norman
Livestock.....	Stearns	Ottertail	Fillmore	Kandiyohi	Morrison	Goodhue	Todd	Nobles	Winona	Meeker
Government Payments....	Polk	Marshall	Kittson	Norman	Martin	Freeborn	Clay	Renville	Redwood	Faribault
1987 CROP PRODUCTION										
Corn for Grain.....	Renville	Faribault	Freeborn	Martin	Mower	Jackson	Blue Earth	Redwood	Fillmore	Nobles
Soybeans.....	Renville	Redwood	Martin	Blue Earth	Jackson	Cottonwood	Nobles	Faribault	Mower	Murray
All Wheat.....	Polk	Marshall	Kittson	Clay	Norman	Roseau	Wilkin	Traverse	Grant	L.Q.Parle
Oats.....	Stearns	Ottertail	Fillmore	Douglas	Todd	Winona	Goodhue	Olmsted	Becker	Wabasha
Barley.....	Polk	Marshall	Norman	Wilkin	Clay	Roseau	Kittson	Mahnomen	Pennington	Becker
Sugarbeets.....	Polk	Clay	Renville	Norman	Chippewa	Wilkin	Marshall	Kittson	Grant	Kandiyohi
Sunflowers.....	Pennington	Polk	Marshall	Red Lake	Roseau	Norman	Kittson	Clay	Clearwater	Mahnomen
Rye.....	Sherburne	Ottertail	Douglas	Chisago	Stearns	Big Stone	Isanti	Morrison	Benton	Anoka
Flax 1/.....	Roseau	Kittson	Marshall	Lk.of Woods	Pennington	Mahnomen	Polk	Lincoln	Pipestone	Red Lake
Dry Edible Beans 2/...	Polk	Marshall	Ottertail	Renville	Hubbard	Swift	Grant	Chippewa	Nobles	Stevens
All Hay.....	Ottertail	Stearns	Winona	Fillmore	Goodhue	Todd	Morrison	Wabasha	Olmsted	Houston
Potatoes.....	Polk	Marshall	Sherburne	Clay	Freeborn	Kittson	Anoka	Norman	Lk.of Woods	Hennepin
Sweet Corn.....	Renville	Dodge	Faribault	Goodhue	Sibley	McLeod	Mower	Dakota	Brown	Redwood
Green Peas 3/.....	Renville	Faribault	Mower	Goodhue	Wabasha	Redwood	McLeod	Brown	Olmsted	Dodge
LIVESTOCK, DAIRY AND POULTRY										
Cattle & Calves, Jan. 1, 1988.....	Stearns	Ottertail	Fillmore	Goodhue	Winona	Todd	Houston	Morrison	Olmsted	Wabasha
Beef Cows, Jan. 1, 1988 4/.....	Fillmore	Ottertail	Olmsted	Houston	Beltrami	Pine	Cass	Goodhue	Wabasha	Roseau
Milk Cows, Jan. 1, 1988.....	Stearns	Ottertail	Todd	Morrison	Goodhue	Winona	Wright	Wabasha	Fillmore	Carver
Milk Prod, 1987.....	Stearns	Ottertail	Morrison	Todd	Goodhue	Winona	Wright	Wabasha	Fillmore	Carver
Stock Sheep & Lambs Jan. 1, 1988 5/.....	Ottertail	Renville	Goodhue	Roseau	Pipestone	Murray	Fillmore	Nobles	Kandiyohi	Lyon
Hogs, Dec.1,1987	Martin	Nobles	Jackson	Fillmore	Mower	Freeborn	Blue Earth	Redwood	Renville	Stearns
Pig Crop, 1987.....	Martin	Stearns	Nobles	Fillmore	Mower	Renville	Freeborn	Jackson	Redwood	Blue Earth
Hens & Pullets 1987...	Sibley	Morrison	Meeker	Stearns	Clay	Clearwater	Pine	Freeborn	Benton	Nicollet
Cattle & Calves on Feed, Jan.1, 1988 6/..	Cottonwood	Rock	Stevens	Stearns	Dakota	Olmsted	Murray	Blue Earth	Lyon	Ottertail

1/ Lincoln & Pipestone tied for 8th place.
2/ Nobles & Stevens tied for 9th place.
3/ McLeod & Brown tied for 7th place.
4/ Cass, Goodhue, and Wabasha tied for 7th place.
5/ Goodhue & Roseau tied for 3rd place; Kandiyohi & Lyon tied for 9th place.
6/ Rock and Stevens tied for 2nd place.



Farm Numbers

MINNESOTA LOSES ANOTHER 1,000 FARMS

Minnesota recorded a drop of 1,000 farms between 1986 and 1987. All states surrounding Minnesota also showed some decline in farm numbers from 1986 to 1987.

Since 1980, Minnesota farms have declined from 104,000 to 92,000, a loss of 12,000 farms. This compares with farm losses of 13,000 for Wisconsin, 12,000 for Iowa, 23,000 for Illinois, 9,000 for Nebraska, and somewhat lesser amounts for the Dakotas.

The number of farms in the United States in 1987 was estimated at 2.17 million, down 2% from the 2.21 million in 1986 and down 11% from the 2.43 million in 1980.

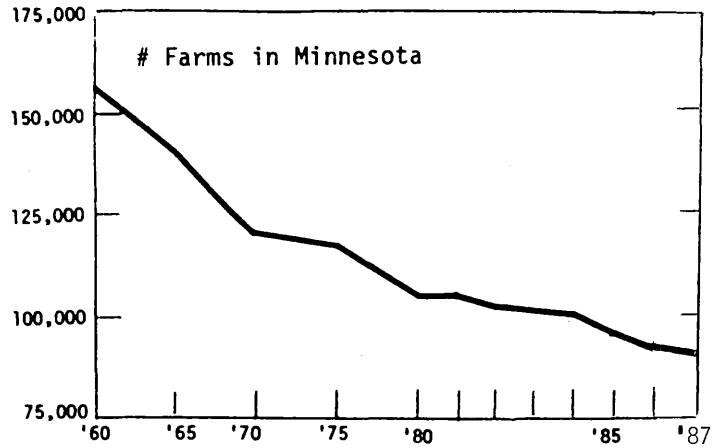
Total land in U.S. farms for 1987 is 1,002 million acres, down 1% from a year earlier and down 4% from 1980. Land in farms has declined every year since reaching its peak at 1,206 million acres in 1954.

MINNESOTA FARM NUMBERS, FARMLAND, AND AVERAGE FARM SIZE 1/

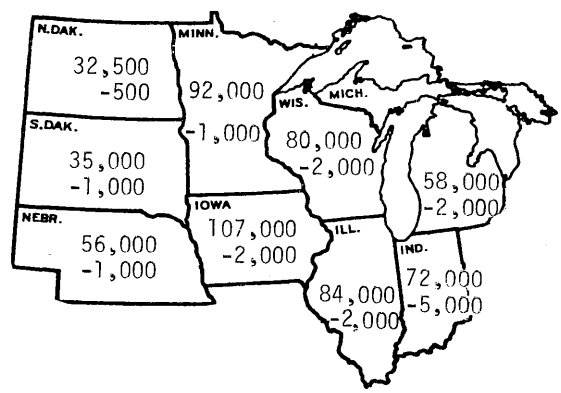
Year	Number of Farms	Land In Farms	Average Size of Farms
	Number	Thousand Acres	Acres
1977	116,000	30,600	264
1978	114,000	30,600	268
1979	104,000	30,300	291
1980	104,000	30,300	291
1981	104,000	30,400	292
1982	103,000	30,400	295
1983	102,000	30,400	298
1984	101,000	30,400	301
1985	96,000	30,400	317
1986	93,000	30,000	323
1987	92,000	30,000	326

1/ As of June 1, 1979, farms are defined as places which had annual sales of agricultural products of $1,000 or more.

MINNESOTA FARM NUMBERS CONTINUE TO DECLINE



OVER 16,000 FARMS LOST IN THESE STATES OVER PAST YEAR



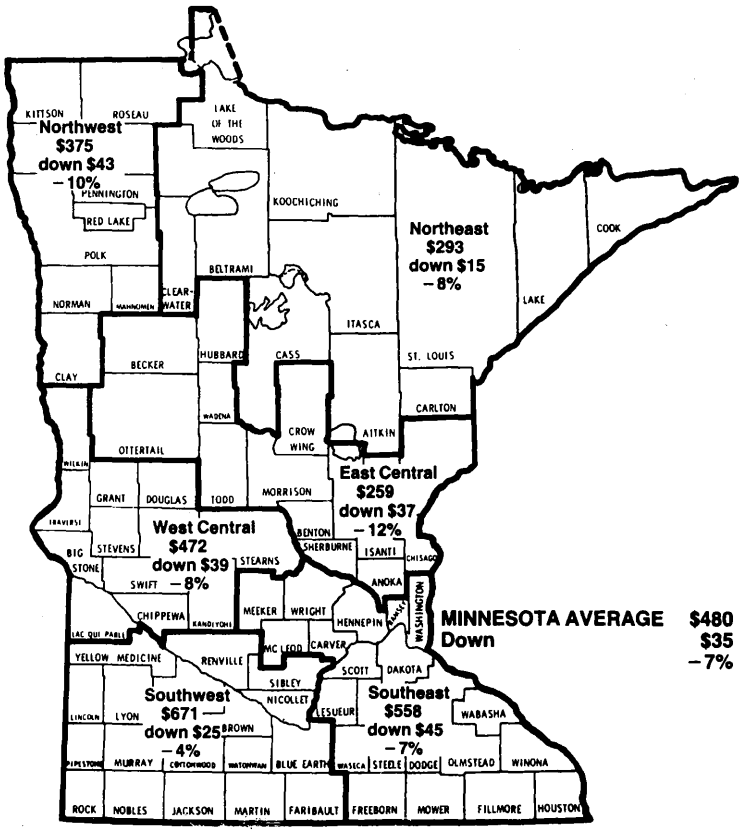
1987 # of Farms
& Change From Last Year

Land Values

According to the University of Minnesota, state farmland values fell 7% from July 1986-July 1987. An acre of farmland was going for an average $480 an acre versus $515 in 1986. This annual decline was the smallest since land values started to fall after 1981.

Farmland in southwestern Minnesota continues to rank highest among the 6 economic development regions. However this area experienced the sharpest decline since land values peaked in 1981 -- down 68%. Land values in the southeast also declined sharply -- down 67%. The chart below shows 1987 land values by districts versus the peak year of 1981.

ESTIMATED LAND VALUES PER ACRE IN 1987 AND CHANGE FROM 1986 (Excluding Hennepin and Ramsey counties. Based on reported estimates of average value per acre of farmland for the first 6 months of 1987.)*



ESTIMATED AVERAGE VALUE PER ACRE OF MINNESOTA FARMLAND BY DISTRICT*

Year	South-east	South-west	West Central	East Central	North-west	North-east	Minnesota
1974	576	675	378	279	199	144	423
1975	674	844	503	296	295	163	525
1976	856	1,106	624	349	378	210	667
1977	1,027	1,316	730	415	427	279	794
1978	1,191	1,421	803	498	483	304	889
1979	1,453	1,620	883	573	599	368	1,040
1980	1,526	1,750	962	596	683	390	1,120
1981	1,709	2,083	1,135	679	813	460	1,310
1982	1,504	1,875	1,044	584	748	483	1,179
1983	1,354	1,669	981	561	658	411	1,065
1984	1,164	1,401	873	505	586	436	927
1985	861	967	690	374	510	362	686
1986	603	696	511	296	418	308	515
1987	558	671	472	259	375	293	480
% Change							
1986/87	-7	-4	-8	-12	-10	-8	-7
1981-87	-67	-68	-58	-62	-54	-39 1/	-63

*From MINNESOTA AGRICULTURAL ECONOMIST, February 1988, Agricultural Extension Service, University of Minnesota, St. Paul, MN 55108, "The Minnesota Rural Real Estate Market In 1987", by Andrew Schwab and Philip Raup. 1/ 1982-87.

Farm Income

Minnesota's total net farm income rose a sharp 34% from 1985 to 1986 but the gain didn't come from the marketplace. The $1.67 billion net farm income was the second highest on record and was made possible by an $800-million infusion of government payments and an 11% rollback in production expenses.

Cash receipts in 1986 of $6.07 billion dropped 8% from 1985. The drop would have been greater had it not been for stronger livestock and poultry receipts. Crop receipts are mostly responsible for the decline, dropping 17% from 1985-86. Preliminary estimates for 1987 total cash receipts show a 6% decline to $5.70 billion.

Government payments soared to a record high $802 million in 1986, up 67% from 1985. Without government payments, the average net income per farm would total only $9,330 instead of $17,960.

Total farm production expenses dropped 11% from 1985-86 to $5.43 billion, the lowest level since 1979. Interest costs fell (17% less for non-real estate and 8% lower for real estate interest); feed costs dropped 10% while fuel costs were 27% lower.

TOTAL INCOME OF MINNESOTA FARMS

Year	Cash Receipts From Farm Marketings	Government Payments	Non-Money Income 1/	Other Farm Income 2/	Net Change in Farm Inventories 3/	Total Gross Farm Income	Total Farm Production Expenses	Total Net Farm Income
	Million Dollars							
1982	6,589.9	182.9	604.0	138.0	-102.9	7,404.9	6,562.2	842.7
1983	6,374.5	611.7	545.5	131.6	-866.1	6,797.2	6,598.4	207.8
1984	6,090.0	529.9	506.9	117.2	621.1	7,865.1	6,658.1	1,207.0
1985	6,593.6	480.1	402.0	141.5	-271.3	7,345.9	6,100.6	1,245.3
1986	6,074.5	802.4	301.6	133.0	-212.7	7,098.8	5,428.5	1,670.3
1987 4/	5,700.7	-----	-----	-----	-----	-----	-----	-----

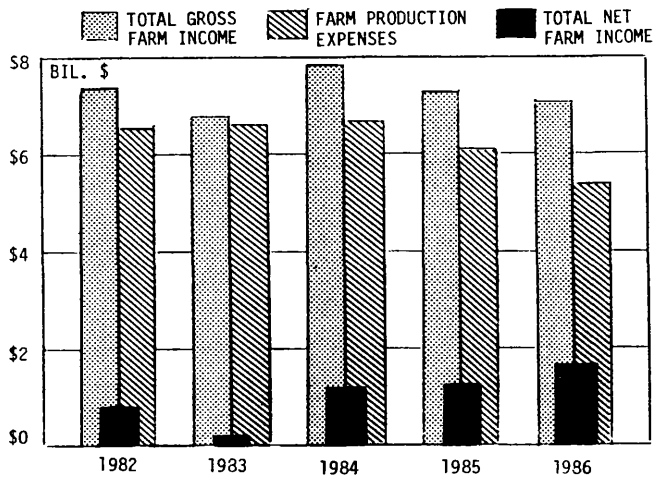
1/ Includes value of home consumption and housing.
2/ Includes income from custom work, machine hire, and recreation.
3/ Estimated physical change in crops and livestock owned by farmers, valued at average prices prevailing during the year.
4/ Detailed data not available at time of publication.

AVERAGE INCOME PER MINNESOTA FARM 1/

Year	Number Of Farms	Total Gross Farm Income	Farm Production Expenses	Total Net Farm Income
	--000--	----- Dollars -----		
1982	103	71,892	63,711	8,182
1983	102	66,639	64,602	2,037
1984	101	77,872	65,922	11,950
1985	96	76,520	63,548	12,972
1986	93	76,331	58,371	17,960

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

MINNESOTA FARM INCOME & EXPENSES



MINNESOTA CASH RECEIPTS FROM FARM MARKETINGS

Commodity	1984 1/		1985 1/		1986	
	Dollars	Percent Of Total	Dollars	Percent Of Total	Dollars	Percent Of Total
	000	Pct.	000	Pct.	000	Pct.
CROPS: 2/						
FEED CROPS						
Corn.....	696,367	11.4	1,159,878	17.6	1,003,031	16.5
Oats.....	51,470	0.8	47,078	0.8	26,158	0.4
Barley.....	88,906	1.4	124,828	1.9	82,404	1.4
Hay.....	44,014	0.8	59,601	0.9	69,019	1.1
FOOD GRAINS						
Wheat.....	308,440	5.1	475,466	7.2	326,437	5.4
Rye.....	12,961	0.2	7,419	0.1	3,391	0.1
OIL CROPS						
Soybeans.....	1,086,569	17.8	907,149	13.8	741,767	12.2
Flaxseed.....	3,886	0.1	3,491	0.1	2,866	0.1
Sunflowers.....	33,612	0.6	18,975	0.3	15,965	0.3
VEGETABLE CROPS						
Potatoes.....	80,999	1.3	58,283	0.9	47,266	0.8
Sweet Corn (Process)..	41,095	0.7	40,614	0.6	39,534	0.7
Green Peas (Process)..	24,883	0.4	30,905	0.5	21,926	0.4
Sugarbeets.....	153,636	2.5	183,168	2.8	186,984	3.1
Dry Beans.....	10,924	0.2	15,279	0.2	19,652	0.3
Apples.....	3,536	0.1	4,579	0.1	5,457	0.1
Greenhouse & Nursery...	46,714	0.8	47,229	0.7	45,853	0.8
Floriculture.....	21,161	0.3	25,398	0.4	26,110	0.4
Other Crops, Fruits, Vegetables 3/.....	20,990	0.3	13,899	0.2	16,031	0.3
TOTAL CROPS.....	2,730,163	44.8	3,223,239	48.9	2,679,851	44.1
LIVESTOCK PRODUCTS						
MEAT ANIMALS						
Cattle & Calves.....	882,523	14.5	926,225	14.0	936,043	15.4
Hogs.....	726,857	11.9	721,397	10.9	750,234	12.4
Sheep & Lambs.....	14,447	0.2	16,386	0.2	14,353	0.2
DAIRY PRODUCTS.....	1,290,333	21.2	1,285,735	19.5	1,226,475	20.2
POULTRY & EGGS						
Turkeys.....	229,818	3.8	250,338	3.8	269,325	4.4
Broilers.....	39,104	0.6	38,333	0.6	45,084	0.7
Farm Chickens.....	4,288	0.1	3,053	*	2,707	*
Eggs.....	123,627	2.0	83,123	1.3	91,709	1.5
Honey.....	NA	NA	NA	NA	4,880	0.1
Wool.....	1,040	*	737	*	733	*
Miscellaneous Other Livestock & Products 4/	47,836	0.8	45,050	0.7	53,100	0.9
TOTAL LIVESTOCK....	3,359,873	55.2	3,370,377	51.1	3,394,643	55.9
TOTAL ALL CROPS AND LIVESTOCK.....	6,090,036	100.0	6,593,616	100.0	6,074,494	100.0

1/ 1984 and 1985 are revised; 1986 is preliminary. 2/ Includes Commodity Credit Corporation loans (calculated by crop open market sales plus net CCC loans). 3/ 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/ Mink, goats, horses, mules, ducks, geese, honey (1984 and 1985), beeswax, turkey eggs, and other livestock. * Less than .05%. NOTE: Percents may not add to totals because of rounding.

MINNESOTA CASH RECEIPTS RECEIVED BY FARMERS, BY COUNTY

District and County	1985 Crops	1985 Livestock 1/	1985 Government Payments	1985 Total	1986 Crops	1986 Livestock 1/	1986 Government Payments	1986 Total
	Thousand Dollars				Thousand Dollars			
Becker	21,084	53,890	4,369	79,343	21,156	53,703	9,248	84,107
Clay	98,153	24,291	10,106	132,550	88,592	24,900	19,984	133,476
Clearwater	4,816	17,306	591	22,713	4,335	17,702	1,127	23,164
Kittson	60,963	5,630	11,690	78,283	48,445	5,383	22,361	76,189
Mahnomen	13,761	9,198	3,652	26,611	14,797	8,669	6,563	30,029
Marshall	113,855	11,868	19,116	144,839	93,608	11,105	35,591	140,304
Norman	81,245	13,494	11,985	106,724	65,456	12,926	22,271	100,653
Pennington	25,718	8,117	4,840	38,675	18,210	7,816	10,066	36,092
Polk	201,636	27,627	22,462	251,725	177,488	28,470	41,377	247,335
Red Lake	24,438	8,909	3,810	37,157	18,082	8,820	7,497	34,399
Roseau	33,148	21,920	8,513	63,581	28,133	22,106	15,950	66,189
Northwest	678,817	202,250	101,134	982,201	578,302	201,600	192,035	971,937
Beltrami	3,409	12,060	598	16,067	4,074	11,892	1,142	17,108
Cass	1,337	14,377	432	16,146	1,325	14,866	863	17,054
Hubbard	9,217	8,397	415	18,029	10,038	8,786	635	19,459
Itasca	1,165	5,813	138	7,116	1,233	5,562	160	6,955
Koochiching	728	3,824	197	4,749	715	3,979	555	5,249
Lake of the Woods	4,228	2,650	886	7,764	4,813	2,585	1,812	9,210
North Central	20,084	47,121	2,666	69,871	22,198	47,670	5,167	75,035
Northeast	2,395	10,872	260	13,513	2,412	10,677	224	13,300
Big Stone	35,730	16,260	4,287	56,277	26,328	16,363	8,083	50,774
Chippewa	70,021	17,328	5,205	92,554	52,271	19,767	10,682	82,720
Douglas	10,038	41,977	2,088	54,103	8,721	40,618	4,057	53,396
Grant	42,778	16,282	5,119	64,179	36,817	17,525	9,656	63,998
Lac Qui Parle	55,809	33,217	7,515	96,541	42,760	36,300	15,194	94,254
Otter Tail	39,863	125,452	6,781	172,096	34,713	124,766	14,906	174,385
Pope	24,833	37,539	4,922	67,294	20,570	37,694	9,905	68,169
Stevens	44,218	36,766	6,012	86,996	34,067	34,618	11,697	80,382
Swift	56,533	28,927	8,339	93,799	46,000	29,712	14,818	90,530
Traverse	62,170	10,931	5,079	78,180	44,718	10,818	12,545	68,081
Wilkin	89,718	7,657	7,249	104,624	66,997	8,299	11,859	87,155
Yellow Medicine	68,018	31,940	8,193	108,151	52,474	33,797	15,427	101,698
West Central	599,729	404,276	70,789	1,074,794	466,436	410,277	138,829	1,015,542
Benton	7,604	61,896	1,993	71,493	5,690	62,672	3,091	71,453
Carver	11,786	55,953	1,602	69,341	9,726	55,151	4,088	68,965
Kandiyohi	44,753	94,910	7,262	146,925	34,458	99,836	13,714	148,008
McLeod	39,577	50,244	3,880	93,701	31,101	49,655	6,579	87,335
Meeker	35,462	71,914	5,247	112,623	28,106	73,211	10,488	111,805
Morrison	11,100	98,111	2,278	111,489	8,714	98,878	4,113	111,705
Renville	123,721	51,925	9,068	184,714	99,127	52,802	17,685	169,614
Scott	12,912	30,985	1,610	45,507	11,312	29,748	3,585	44,645
Sherburne	22,739	23,649	1,509	47,897	20,728	25,363	2,627	48,718
Sibley	55,521	66,355	5,905	127,781	44,358	68,443	10,564	123,365
Stearns	24,153	209,491	7,134	240,778	18,701	209,926	11,136	239,763
Todd	13,755	88,724	2,444	104,923	12,539	87,629	4,421	104,589
Wadena	2,829	28,530	1,031	32,390	2,822	29,115	1,761	33,698
Wright	26,294	64,044	2,414	92,752	21,285	62,594	6,725	90,604
Central	432,206	996,731	53,377	1,482,314	348,667	1,005,023	100,577	1,454,267

MINNESOTA CASH RECEIPTS RECEIVED BY FARMERS, BY COUNTY (CONT'D)

District and	1985				1986			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousand Dollars				Thousand Dollars			
Aitkin	2,934	14,387	335	17,656	2,726	14,513	555	17,794
Anoka	14,900	9,257	726	24,883	13,300	9,552	1,047	23,899
Chisago	10,461	22,834	1,301	34,596	8,738	22,323	2,966	34,027
Crow Wing	2,341	13,295	415	16,051	2,006	13,535	728	16,269
Hennepin	21,360	20,145	802	42,307	19,095	19,593	1,761	40,449
Isanti	13,535	18,295	1,981	33,811	11,165	17,928	2,903	31,996
Kanabec	2,009	23,499	853	26,361	2,136	23,288	1,372	26,796
Mille Lacs	3,234	29,049	1,160	33,443	2,600	28,327	1,731	32,658
Pine	3,277	34,287	925	38,489	3,379	33,397	1,959	38,735
Washington	22,062	12,072	1,236	35,370	20,595	12,037	2,223	34,855
Other Counties	5,552	12,157	222	17,931	5,535	11,944	254	17,733
East Central	101,665	209,277	9,956	320,898	91,275	206,437	17,499	315,211
Cottonwood	65,103	60,335	66,702	192,140	56,612	65,701	13,972	136,285
Jackson	75,100	61,072	8,917	145,089	62,319	65,646	16,904	144,869
Lincoln	25,947	40,142	4,113	70,202	16,996	42,884	7,467	67,347
Lyon	55,130	61,150	7,249	123,529	43,228	63,463	14,332	121,023
Murray	48,348	52,739	6,336	107,423	41,389	52,166	13,026	106,581
Nobles	60,386	81,766	7,426	149,578	47,556	86,519	15,133	149,208
Pipestone	24,329	40,566	3,546	68,441	20,741	40,774	7,381	68,896
Redwood	89,696	73,106	8,564	171,366	70,267	70,495	16,980	157,742
Rock	31,643	62,666	5,345	99,654	27,005	64,241	9,972	101,218
Southwest	475,682	533,542	118,198	1,127,422	386,113	551,889	115,167	1,053,169
Blue Earth	77,508	59,316	8,296	145,120	63,827	55,021	15,189	134,037
Brown	51,008	69,383	5,998	126,389	40,643	69,570	10,865	121,078
Faribault	93,735	54,362	9,751	157,848	80,916	52,691	16,907	150,514
Freeborn	79,357	60,307	10,394	150,058	67,722	59,407	20,028	147,157
Le Sueur	38,005	40,852	4,533	83,390	32,361	41,678	7,950	81,989
Martin	91,647	61,418	10,844	163,909	81,121	62,110	20,093	163,324
Nicollet	43,018	51,655	4,682	99,355	32,876	52,249	9,058	94,183
Rice	26,372	60,862	4,407	91,641	22,780	60,533	8,407	91,720
Steele	40,715	41,337	5,425	87,477	34,730	40,051	9,937	84,718
Waseca	47,963	32,499	6,748	87,210	37,369	33,845	12,432	83,646
Watonwan	52,430	31,888	5,708	90,026	41,193	33,872	10,239	85,304
South Central	641,758	563,879	76,786	1,282,423	535,538	561,027	141,105	1,237,670
Dakota	40,695	38,478	4,260	83,433	40,765	37,964	8,162	86,891
Dodge	40,963	37,025	5,921	83,909	36,631	37,293	11,868	85,792
Fillmore	30,992	100,022	7,172	138,186	27,557	100,350	14,502	142,409
Goodhue	35,056	88,238	6,119	129,413	33,021	87,960	11,288	132,269
Houston	7,804	64,375	2,548	74,727	6,775	63,488	5,933	76,196
Mower	61,789	59,072	8,811	129,672	56,584	61,644	16,231	134,459
Olmsted	23,550	75,719	5,591	104,860	21,164	76,653	9,933	107,750
Wabasha	17,468	60,564	2,938	80,970	15,248	59,445	6,604	81,297
Winona	12,586	82,010	3,540	98,136	11,165	81,043	7,229	99,437
Southeast	270,903	605,503	46,900	923,306	248,910	605,840	91,750	946,500
Minnesota	3,223,239	3,573,451	480,066	7,276,756	2,679,851	3,600,440	802,353	7,082,644

1/ Includes estimates of inter-farm and intra-state sales of livestock, resulting in larger total cash receipts than shown in USDA estimates on previous pages.

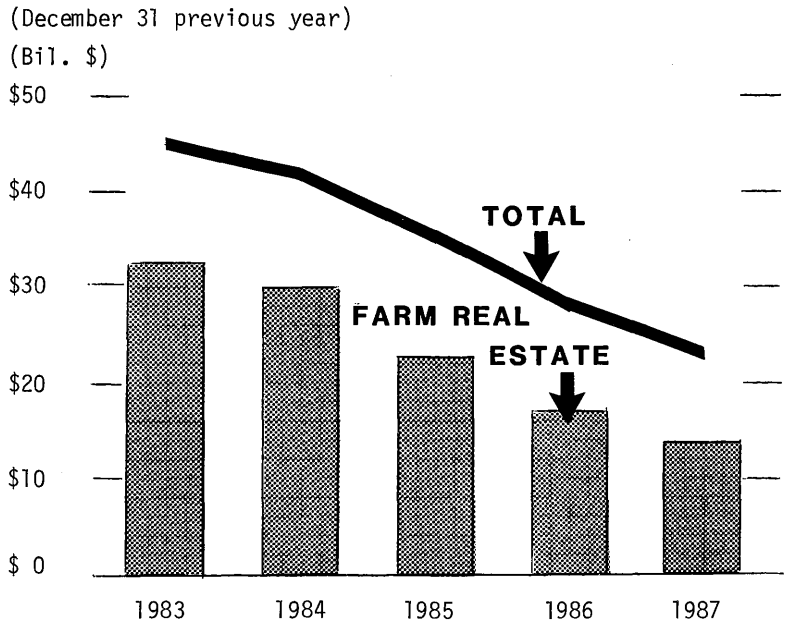
SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPARTMENT OF COMMERCE, WASHINGTON, D.C.

MINNESOTA'S FARM BALANCE SHEET (EXCLUDING FARM HOUSEHOLDS) 1/

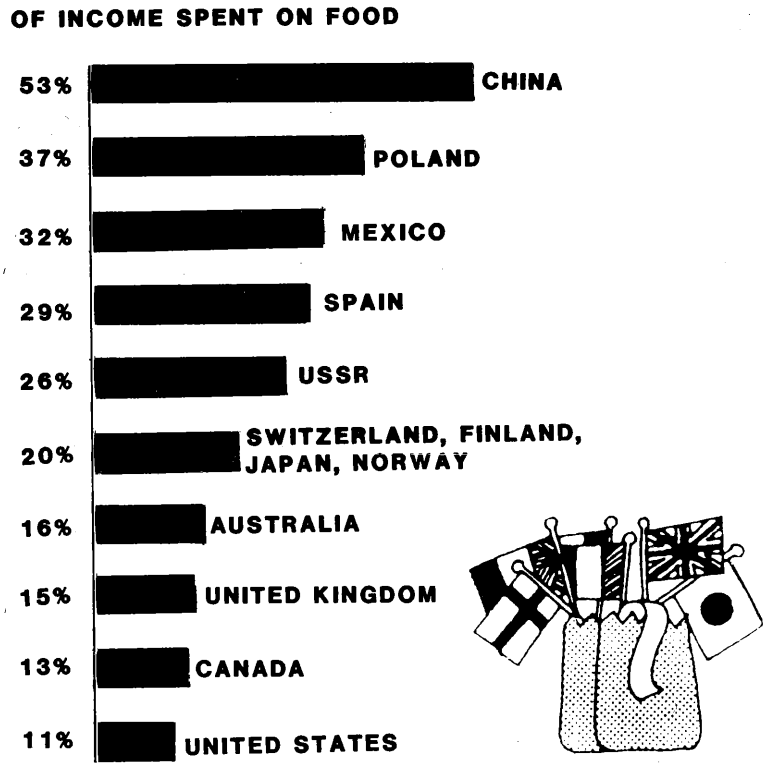
Item	1983	1984	1985	1986	1987 2/
			---MILLION DOLLARS---		
Total Farm Assets	45,254.9	42,687.3	35,141.6	28,189.7	23,868.1
Real estate 3/	32,842.4	30,546.9	23,225.7	17,204.6	13,751.6
Livestock & poultry 4/	2,200.8	2,011.1	1,996.4	1,762.7	1,898.6
Machinery & motor vehicles 5/	6,399.8	6,397.5	5,991.5	5,395.6	4,990.6
Crops 6/	2,074.0	1,877.5	2,034.6	1,879.9	1,286.5
Financial assets	1,738.0	1,854.4	1,893.5	1,946.9	1,940.9
Total Farm Debt	9,948.4	10,123.6	10,044.0	9,030.3	7,763.5
Real estate debt 7/	5,421.3	5,542.8	5,438.0	5,042.8	4,511.0
Nonreal estate debt 8/	4,527.1	4,580.8	4,606.0	3,987.5	3,252.6
Equity	35,306.5	32,563.7	25,097.6	19,159.4	16,104.6
			---RATIO---		
Equity/assets	78.0	76.3	71.4	68.0	67.5
Debt/equity	28.2	31.1	40.0	47.1	48.2
Debt/assets, total	22.0	23.7	28.6	32.0	32.5
Debt/assets, real estate	16.5	18.1	23.4	29.3	32.8
Debt/assets, nonreal estate	36.5	37.7	38.7	36.3	32.2
Returns to operator/total debt 9/	5.8	-0.3	9.8	11.3	18.8

1/ December 1 previous year. 2/ Preliminary. 3/ Excludes value of operator dwelling. 4/ Excludes horses, mules, broilers. 5/ Includes only farm share value for trucks and autos. 6/ All non-CCC crops held on farms including crops plus the value above loan rate for crops held under CCC. 7/ Excludes debt on operator dwellings, but includes CCC storage and drying facility loans. 8/ Excludes debt for nonfarm purposes. 9/ Total debt in this ratio is an average for the year.

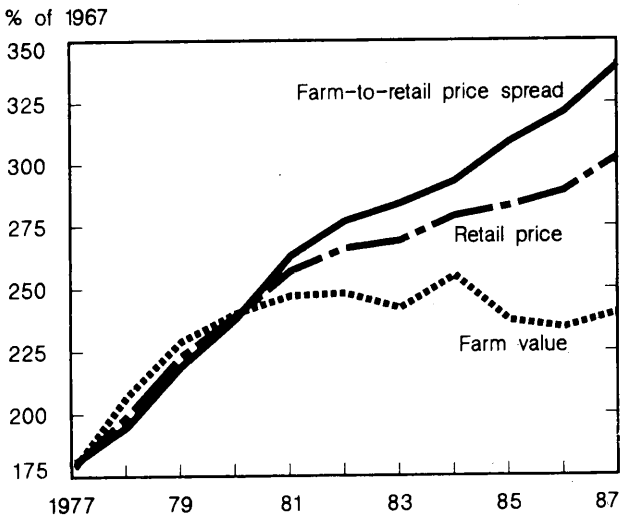
MINNESOTA FARM ASSETS



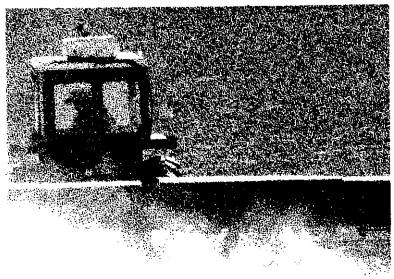
A WORLD-WIDE VIEW OF CONSUMER EXPENSES FOR FOOD

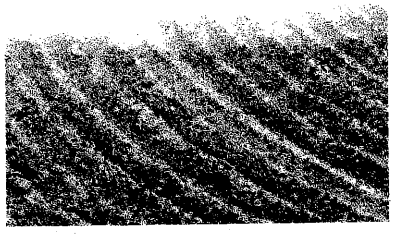


RETAIL PRICE, FARM VALUE, AND PRICE SPREAD FOR FOOD

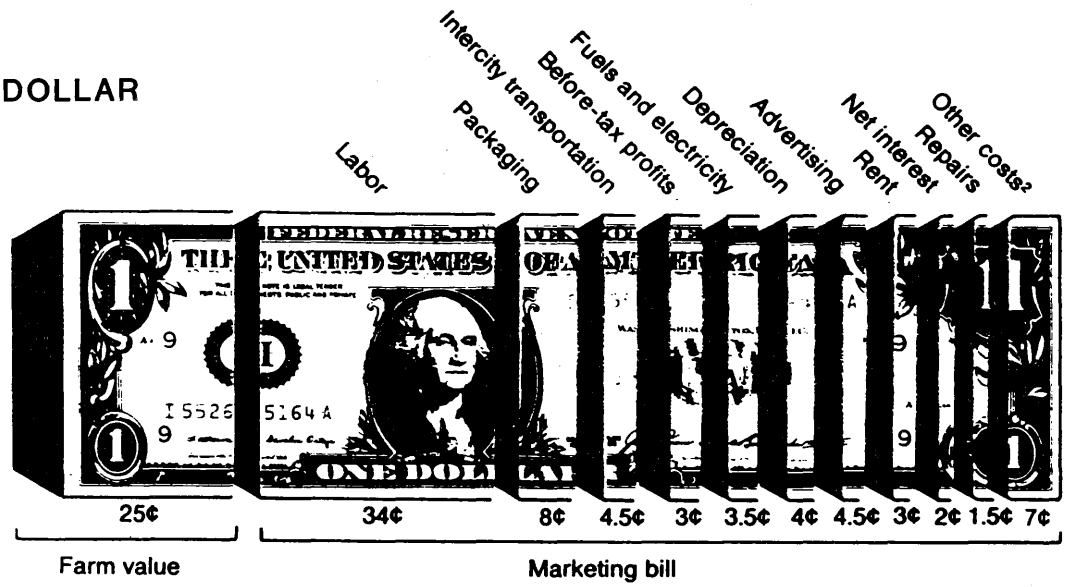


Data is for a market basket of foods sold in retail stores. Retail price is that paid by consumers. Farm value is prices received by farmers for commodities. Price spread represents all charges for processing and distribution.



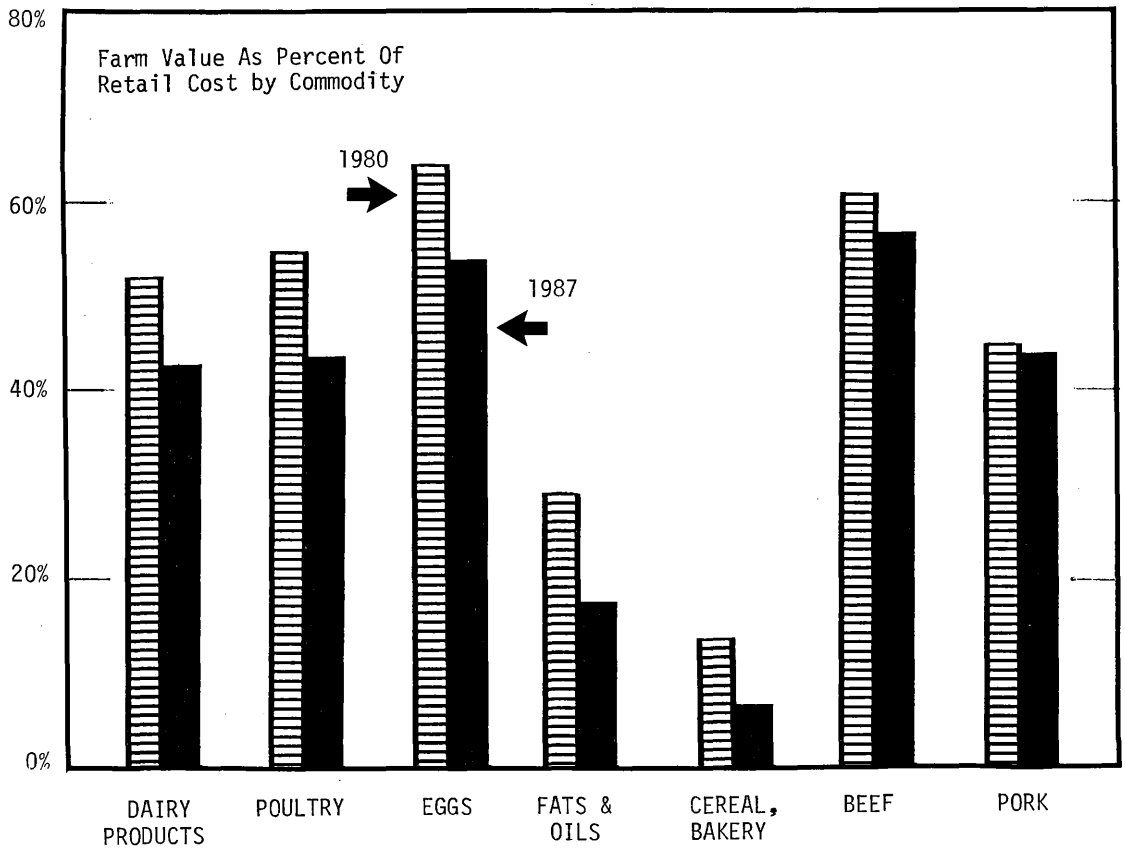


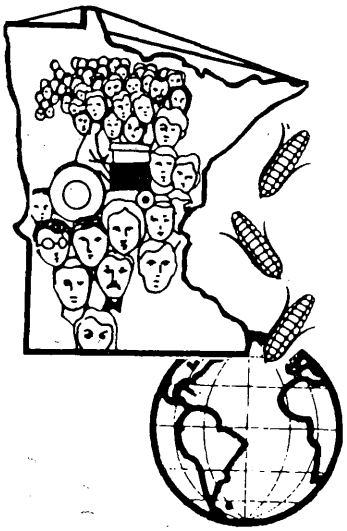
HERE'S WHAT A DOLLAR SPENT ON FOOD PAID FOR IN 1987



[1]Includes food at home and away. [2]Includes property taxes and insurance, accounting and professional services, promotion, bad debts, and miscellaneous items.

FARMER'S SHARE OF RETAIL FOOD PRICE HAS WEAKENED SINCE 1980





Exports

Based on Minnesota's farm output, the state's ag exports totaled $1.37 billion in fiscal 1987, up 8% from the $1.27 billion in 1986. Exports thus represented about one-fourth of cash farm receipts in 1987.

Shown at the right is the value of farm exports by commodity group. These shares are derived from Minnesota's contribution to U.S. production and/or sales. They are not actual exports but reflect Minnesota's important stake in the national export market.

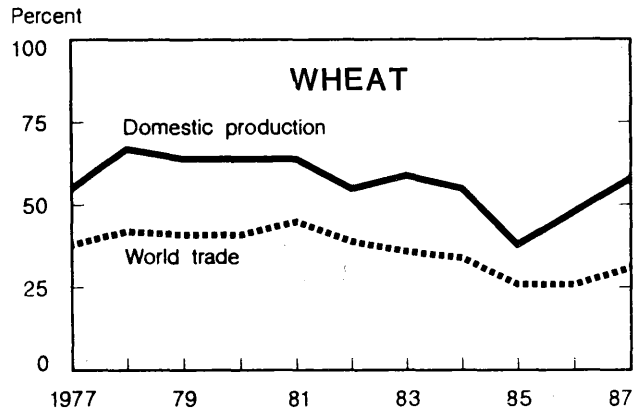
1987 MINN. AG EXPORTS WORTH $1.37 BIL.

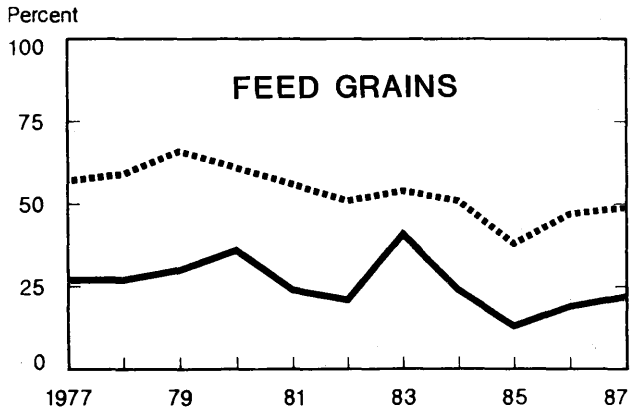
SOYBEANS & PRODUCTS	$487.9 Mil.
FEEDGRAINS	$395.0 Mil.
WHEAT & PRODUCTS	$138.4 Mil.
DAIRY PRODUCTS	$ 57.0 Mil.
FEEDS & FODDERS	$ 60.0 Mil.
VEGETABLES	$ 56.1 Mil.
HIDES & SKINS	$ 43.1 Mil.
LIVE ANIMALS & MEAT (Excl.Poultry)	$ 47.6 Mil.
FATS, OILS,GREASES	$ 12.1 Mil.
SUNFLOWER SEED & OIL	$ 13.0 Mil.
SEEDS	$ 9.6 Mil.
POULTRY	$ 9.9 Mil.
OTHER	$ 38.7 Mil.
TOTAL	$1,368.4 Mil.

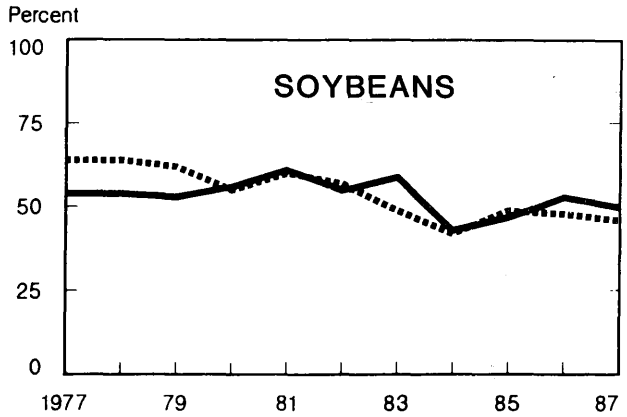
U.S. EXPORTS:

SHARE OF DOMESTIC PRODUCTION

AND WORLD TRADE

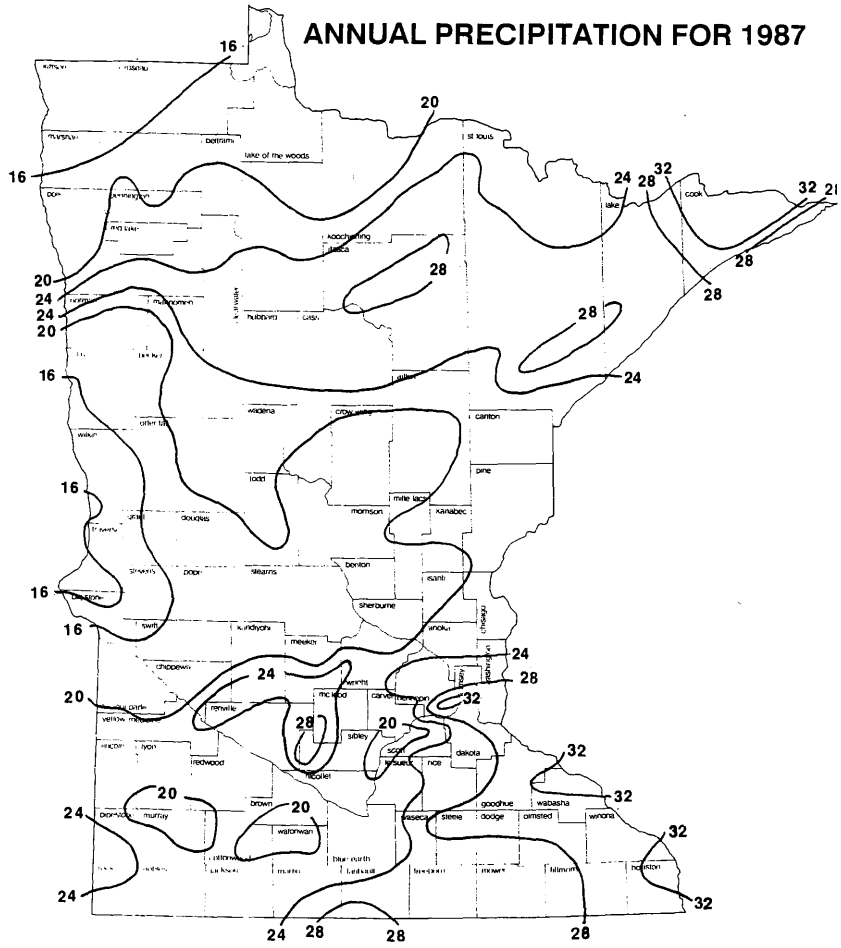






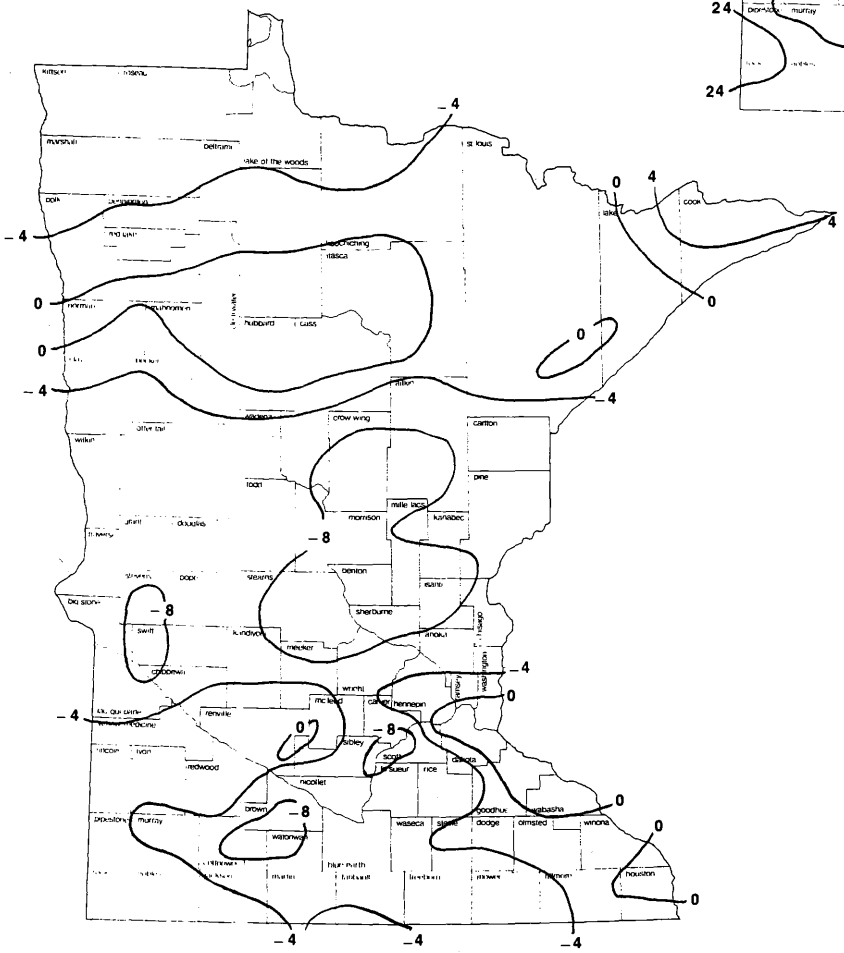
Climatic Summary

ANNUAL PRECIPITATION FOR 1987



ANNUAL PRECIPITATION FOR 1987

DEPARTURE from 1951-1980 NORMALS



In sharp contrast to the previous five years, annual precipitation totals across Minnesota for 1987 showed a negative departure from normal. A majority of the state was at least four inches below the historical average and departures of minus eight inches were common. North central, northeast, and extreme south-eastern Minnesota were the only areas which received normal or above-normal precipitation in 1987.

Despite deficit moisture conditions, crop yields were generally good. Crops were able to draw from subsoil moisture that was brought to near capacity in the fall of 1986. Also, summer rainfall was extremely timely, falling during critical periods of crop development. Soil moisture conditions going into the spring of 1988 were far different than they were in 1987 as moisture reserves were lower than the previous year.

Maps by:
Gregory Spoden
Division of Waters, DNR
State Climatology Office

AVERAGE FROST DATES IN MINNESOTA 1/

District and station	County	Average date of last temperature occurrence in spring of:			Average date of first temperature occurrence in fall of:			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 District (1):										
Ada	Norman	APR 29	MAY 9	MAY 23	SEP 20	SEP 30	OCT 8	120	144	162
Argyle	Marshall	MAY 3	MAY 12	MAY 24	SEP 17	SEP 29	OCT 7	116	140	157
Crookston	Polk	APR 29	MAY 9	MAY 22	SEP 21	OCT 1	OCT 11	122	145	165
Detroit Lakes	Becker	APR 28	MAY 8	MAY 20	SEP 22	OCT 3	OCT 14	125	148	169
Fosston	Polk	MAY 1	MAY 10	MAY 24	SEP 16	SEP 30	OCT 9	115	143	161
Hallock	Kittson	MAY 10	MAY 16	MAY 28	SEP 15	SEP 26	OCT 2	110	133	145
Moorhead	Clay	APR 22	MAY 3	MAY 12	SEP 28	OCT 8	OCT 16	139	158	177
Red Lake Falls	Red Lake	MAY 3	MAY 14	MAY 23	SEP 16	SEP 27	OCT 7	116	136	157
Roseau	Roseau	MAY 6	MAY 16	MAY 26	SEP 13	SEP 23	OCT 6	110	130	153
Warroad	Roseau	MAY 3	MAY 12	MAY 24	SEP 19	SEP 30	OCT 9	118	141	159
North Central District (2):										
Baudette	Lake of the Woods	MAY 1	MAY 13	MAY 26	SEP 15	SEP 28	OCT 6	112	138	158
Bemidji	Beltrami	MAY 1	MAY 17	MAY 29	SEP 13	SEP 28	OCT 3	107	134	155
Big Falls	Koochiching	MAY 4	MAY 17	JUN 4	SEP 7	SEP 18	OCT 4	95	124	153
Grand Rapids	Itasca	MAY 6	MAY 17	MAY 30	SEP 9	SEP 23	OCT 3	102	129	150
Park Rapids	Hubbard	MAY 1	MAY 11	MAY 21	SEP 20	OCT 3	OCT 9	122	145	161
Northeast District (3):										
Babbitt	St. Louis	MAY 1	MAY 12	MAY 20	SEP 24	OCT 8	OCT 16	127	149	168
Duluth (Airport)	St. Louis	MAY 3	MAY 8	MAY 22	SEP 24	OCT 6	OCT 17	125	151	167
Grand Marais	Cook	APR 25	MAY 11	MAY 23	SEP 29	OCT 13	OCT 25	129	155	183
Meadowlands	St. Louis	MAY 11	MAY 20	JUN 4	AUG 31	SEP 16	OCT 2	68	119	144
Two Harbors	Lake	APR 21	MAY 3	MAY 15	OCT 5	OCT 17	OCT 31	143	167	193
Virginia	St. Louis	MAY 4	MAY 13	MAY 26	SEP 18	SEP 29	OCT 9	115	139	158
West Central District (4):										
Alexandria	Douglas	APR 19	MAY 1	MAY 12	SEP 30	OCT 8	OCT 25	141	160	189
Beardsley	Big Stone	APR 25	MAY 6	MAY 17	SEP 23	OCT 2	OCT 12	129	149	167
Campbell	Wilkin	APR 28	MAY 5	MAY 18	SEP 22	SEP 30	OCT 7	127	148	162
Canby	Yellow Medicine	APR 18	APR 29	MAY 10	OCT 2	OCT 10	OCT 22	145	164	187
Fergus Falls	Otter Tail	APR 23	MAY 2	MAY 13	SEP 25	OCT 6	OCT 18	135	157	178
Montevideo	Lac Qui Parle	APR 16	APR 28	MAY 7	OCT 1	OCT 13	OCT 24	147	168	191
Morris	Stevens	APR 23	MAY 6	MAY 15	SEP 25	OCT 2	OCT 14	133	149	174
Wheaton	Traverse	APR 24	MAY 4	MAY 10	SEP 25	OCT 3	OCT 15	138	152	172
Central District (5):										
Bird Island	Renville	APR 14	APR 27	MAY 9	SEP 30	OCT 10	OCT 22	144	166	191
Little Falls	Morrison	APR 22	APR 30	MAY 10	SEP 26	OCT 7	OCT 18	139	160	180
St. Cloud	Stearns	APR 18	APR 24	MAY 9	SEP 29	OCT 13	OCT 21	143	172	186
Wadena	Wadena	APR 27	MAY 8	MAY 22	SEP 21	SEP 30	OCT 12	122	145	168
Willmar	Kandiyohi	APR 19	APR 28	MAY 8	SEP 29	OCT 7	OCT 23	144	162	187
East Central District (6):										
Brainerd	Crow Wing	APR 24	MAY 4	MAY 16	SEP 24	SEP 30	OCT 14	131	149	173
Cambridge	Isanti	APR 20	APR 29	MAY 13	SEP 26	OCT 5	OCT 17	136	169	170
Hinckley	Pine	APR 22	MAY 4	MAY 19	SEP 24	OCT 3	OCT 14	128	152	175
Maple Plain	Hennepin	APR 16	APR 26	MAY 7	OCT 5	OCT 14	OCT 26	151	171	193
Milaca	Mille Lacs	APR 22	MAY 3	MAY 12	SEP 25	OCT 8	OCT 18	136	158	179
Moose Lake	Carlton	APR 30	MAY 15	MAY 24	SEP 13	SEP 27	OCT 13	112	135	166
Mora	Kanabec	APR 22	MAY 5	MAY 14	SEP 26	OCT 2	OCT 17	135	150	178
Southwest District (7):										
Pipestone	Pipestone	APR 20	MAY 3	MAY 9	OCT 1	OCT 9	OCT 22	145	159	185
Redwood Falls	Redwood	APR 14	APR 26	MAY 3	OCT 3	OCT 15	OCT 23	153	172	192
Tracy	Lyon	APR 17	APR 30	MAY 8	OCT 6	OCT 15	OCT 23	151	168	179
Worthington	Nobles	APR 15	APR 30	MAY 7	OCT 4	OCT 16	OCT 23	150	169	191
South Central District (8):										
Albert Lea	Freeborn	APR 6	APR 20	MAY 3	OCT 6	OCT 21	OCT 28	156	184	205
Fairmont	Martin	APR 11	APR 25	MAY 5	OCT 8	OCT 18	OCT 27	156	176	199
Faribault	Rice	APR 17	APR 27	MAY 6	OCT 5	OCT 17	OCT 25	152	173	191
New Ulm	Brown	APR 19	MAY 1	MAY 13	SEP 27	OCT 6	OCT 21	137	158	185
St. Peter	Nicollet	APR 10	APR 28	MAY 9	SEP 30	OCT 12	OCT 23	144	167	196
Waseca	Waseca	APR 18	APR 28	MAY 9	SEP 29	OCT 10	OCT 23	143	165	188
Winnebago	Faribault	APR 13	APR 28	MAY 5	OCT 6	OCT 18	OCT 27	154	173	197
Southeast District (9):										
Farmington	Dakota	APR 15	APR 25	MAY 9	OCT 1	OCT 10	OCT 22	145	168	190
Grand Meadow	Mower	APR 14	MAY 1	MAY 10	SEP 29	OCT 11	OCT 25	142	163	194
Winona	Winona	APR 2	APR 17	APR 28	OCT 9	OCT 22	NOV 2	164	188	215
Zumbrota	Goodhue	APR 19	MAY 3	MAY 14	SEP 30	OCT 7	OCT 19	139	157	183

1/ From data prepared by the National Weather Service Forecast Office, Minneapolis, Minnesota.

All-Time Averages and Extremes

Normal data from observations by National Weather Service at Minneapolis-St. Paul International Airport. Adjusted mean based on observations made by government observers at Fort Snelling 1819-1858 and 1869-1891; St. Paul, 1859-1896; Farmington, 1891-1976. Extremes based on observations made by government observers at Fort Snelling, 1820-1858; Minneapolis 1858-1859; St. Paul, 1859-1891; Minneapolis 1891-1937; Minneapolis-St. Paul International Airport, 1937-1987. Precipitation data began 1836. Snowfall data began 1859. Other data based on observations at Minneapolis-St. Paul International Airport, mostly 1945-1970.

	★ Mean Temperature	† Mean Precipitation	Mean Snowfall	Warmest Month	Warmest Date	Coldest Month	Coldest Date	Wettest Month	Most Precip. in 24 Hours	Snowiest Month	Most Snow In 24 Hours	Driest Month	Mean % Sunshine	Degree Days Heating	Degree Days Cooling
January	11.2°	.86″	9.0″	26.7° 1944	59° 24/1846	-6.0° 1875	-41° 21/1888	4.34″ 1881	1.21″ 24/1967	46.4″ 1982	17.2″ 22/1982	0 1853	50%	1668	0
February	15.0°	.84″	7.7″	31.5° 1954	64° 26/1896	-2.9° 1936	-40° 14/1838	3.25″ 1922	1.90″ 24/1930	26.5″ 1962	10.5″ 10/1909	T 1864	56%	1330	0
March	28.1°	1.43″	9.6″	43.7° 1878	83° 23/1910	3.0° 1843	-32° 1/1962	4.75″ 1965	1.90″ 31/1843	40.0″ 1951	14.7″ 31/1985	.02″ 1853	57%	1110	0
April	44.3°	2.29″	3.1″	54.8° 1839	95° 21/1980	31.2° 1857	1° 1/1843	5.88″ 1986	2.71″ 26/1888	21.8″ 1984	14.0″ 28/1907	.16″ 1987	58%	570	0
May	57.5°	3.37″	0.2″	66.4° 1934	106° 31/1934	47.5° 1907	18° 3/1967	10.33″ 1906	5.12″ 31/1877	3.0″ 1935	3.0″ 1/1935	.21″ 1934	59%	238	36
June	66.2°	4.12″	0	73.1° 1933	104° 27/1934	54.0° 1842	34° 3/1945	11.67″ 1874	5.25″ 29/1877	0 -	0 -	.02″ 1863	63%	41	134
July	71.0°	3.34″	0	78.9° 1936	108° 14/1936	64.6° 1915	41° 5/1842	11.87″ 1892	7.80″ 27/1892	0 -	0 -	.11″ 1936	72%	12	263
August	68.5°	3.33″	0	75.8° 1947	103° 15/1936	62.1° 1860	34° 31/1832	9.31″ 1977	7.28″ 30/1977	0 -	0 -	.20″ 1925	68%	16	190
September	59.3°	3.00″	T	68.1° 1851	104° 10/1931	51.3° 1866	26° 22/1848 & 1974 28/1942 30/1939	10.61″ 1869	6.10″ 23/1841	.7″ 1942	1.7″ 26/1942	.27″ 1882	60%	160	28
October	47.5°	1.88″	0.5″	58.8° 1963	91° 3/1847	35.8° 1925	7° 25/1853	6.42″ 1911	2.83″ 3/1860	14.0″ 1873	13″ 27/1873	0 1842	55%	488	7
November	31.2°	1.37″	5.1″	41.8° 1830	77° 1/1933	18.6° 1880	-23° 30/1822	5.75″ 1857	2.52″ 11/1940	30.4″ 1983	16.2″ 11/1940	.02″ 1939	41%	954	0
December	17.0°	.94″	7.3″	30.8° 1877	63° 2/1982	1.4° 1831	-39° 25/1879	4.27″ 1982	1.70″ 4/1877 14/1891	33.2″ 1969	12.0″ 28/1982	T 1943	40%	1420	0

★ *155 year adjusted* † *135 year*

Published by:
Freshwater Society
Science Museum of Minnesota
WCCO Weather Center

SECTION 2

CROPS

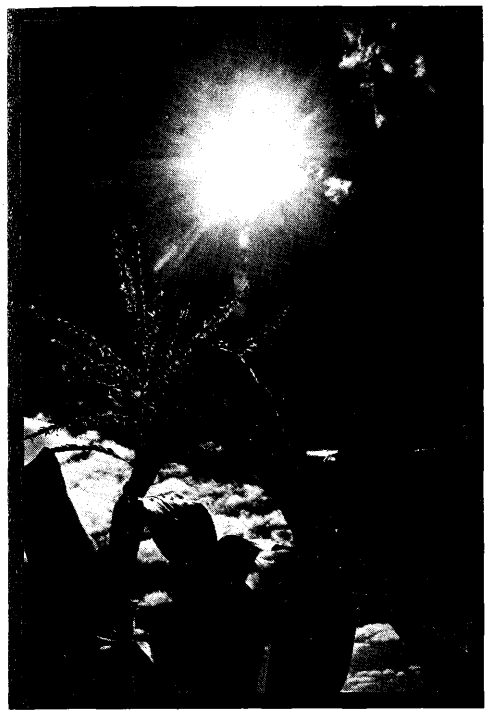


Photo courtesy of Minnesota Extension Service

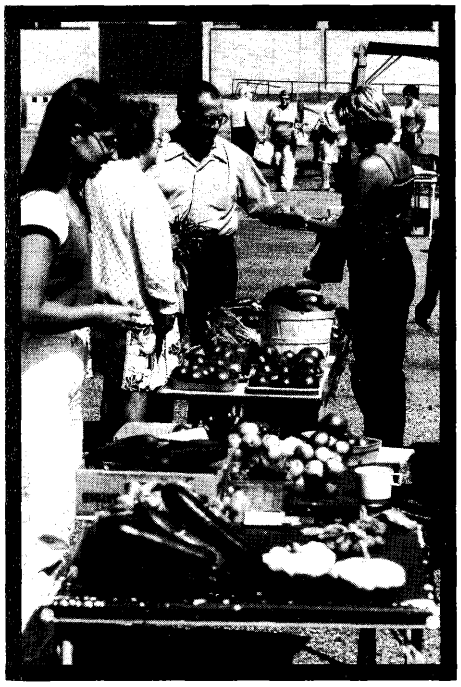


Photo courtesy of MN Dept. of Agriculture

Photo by Janet Wieman

Crop Summary

RECORD YIELDS FOR CORN, SOYBEANS, AND SUGARBEETS IN 1987:

ALSO RECORD PRODUCTION FOR SOYBEANS AND SUGARBEETS

Spring came early in 1987 with temperatures averaging 10-17 degrees above normal the first two weeks of April, allowing farmers to start seeding small grains early. Our first Crop-Weather Report was issued on April 12 and showed 11% of the spring wheat was planted compared with the average of 1%. Topsoil moisture started out short in the central and east central districts and by May 1 had spread to include almost all the state. The first statewide precipitation did not arrive until about May 15th. By May 10th, 86% of the corn had been planted compared with the average of 34%; 34% of the soybeans were planted compared to the average of only 5%.

The State's topsoil moisture remained on the short side all during the growing season but timely rains along with very early planting pushed most row crops to record yields.

Harvest was early with most small grains harvested by mid-August and row crops by mid-October.

Minnesota's 1987 CORN production of 635.0 million bushels was 10% below 1986. The record yield of 127 bushels per acre was up 5 bushels from the previous record of last year.

SOYBEAN production was estimated at 181.4 million bushels, up 11% from 1986. Yield at 39 busnels per acre was up 4 bushels from 1986 and 3 bushels above the previous record set in 1978.

Minnesota's 1987 ALL WHEAT crop totaled 102.6 million bushels, down 1% from last year. SPRING WHEAT production at 98.4 million bushels was up 350,000 bushels from 1986 and yield at 41 was up 4 bushels from 1986.

OAT production of 45.6 million bushels was up 5% from 1986. Yield at 57 bushels was up 6 from last year.

The state's BARLEY production at 49.6 million bushels was down 10% from last year's 55.0 million. Yield at 57 bushels per acre was up 2 bushels from 1986.

ALL SUNFLOWER planted acreage of 90,000 acres was down 42% from 1986. Production of 128.1 million pounds was down 43% from 1986. Yield at 1,455 pounds per acre was down 53 pounds. NON-OIL planted acres at 10,000 was down 60% from 1986 and was the smallest acreage planted since 1983. Yield at 1,500 pounds per acre was down 50 from last year.

RYE production at 1.2 million bushels was down 25% while yields at 30 bushels were down 2 bushels from a year ago.

FLAX production of 224,000 bushels was down 59% from 1986. Yield at 16 bushels per acre was the same as a year ago, but harvested acres, at 14,000, were down 20,000.

DRY BEAN production at 1,184,000 cwt. was up 18% from last year. Yield at 1600 pounds was down 50 pounds per acre.

SUGARBEETS record production of 6.2 million tons was up 19% from last year. Yield at 20.0 tons per acre is up over a ton from the 1978 record and 3.3 tons more than a year ago.

MINNESOTA & U.S. CROP PRODUCTION RECORDS

Crop	Plantings (000 Acres)		Yield Per Acre		Production (000)	
CORN:						
Minnesota	7,700	1981	127.0 Bu.	1987	744,700 Bu.	1981
United States	113,024	1932	119.4 Bu.	1987	8,876,706 Bu.	1985
SOYBEANS:						
Minnesota	5,300	1984	39.0 Bu.	1987	181,350 Bu.	1987
United States	71,411	1979	34.1 Bu.	1985	2,260,665 Bu.	1979
ALL WHEAT:						
Minnesota	6,375 1/	1899	53.1 Bu.	1985	142,426 Bu.	1985
United States	88,251	1981	39.4 Bu.	1983	2,785,357 Bu.	1981
BARLEY:						
Minnesota	2,380	1935	66.0 Bu.	1985	70,950 Bu.	1985
United States	19,686	1942	57.2 Bu.	1982	610,522 Bu.	1986
OATS:						
Minnesota	5,466	1945	70.0 Bu.	1985	242,640 Bu.	1945
United States	47,494	1955	63.7 Bu.	1985	1,523,851 Bu.	1945
ALL HAY:						
Minnesota	4,721 1/	1941	3.39 Tons	1986	9,675 Tons	1986
United States	77,639 1/	1944	2.50 Tons	1982	155,529 Tons	1986
FLAX:						
Minnesota	1,758	1943	19.0 Bu.	1985	19,102 Bu.	1948
United States	6,182	1943	16.9 Bu.	1986	54,803 Bu.	1948
RYE:						
Minnesota	665	1937	38.0 Bu.	1984	23,522 Bu.	1922
United States	7,235	1937	33.1 Bu.	1984	125,144 Bu.	1918
SUGARBEETS:						
Minnesota	315	1986	20.0 Tons	1987	6,200 Tons	1987
United States	1,647	1969	22.4 Tons	1981	29,704 Tons	1975
ALL SUNFLOWERS:						
Minnesota	1,400	1979	1,558 Lbs.	1977	1,870,620 Lbs.	1979
United States	5,555	1979	1,469 Lbs.	1987	7,296,110 Lbs.	1979

1/ Harvested acres.

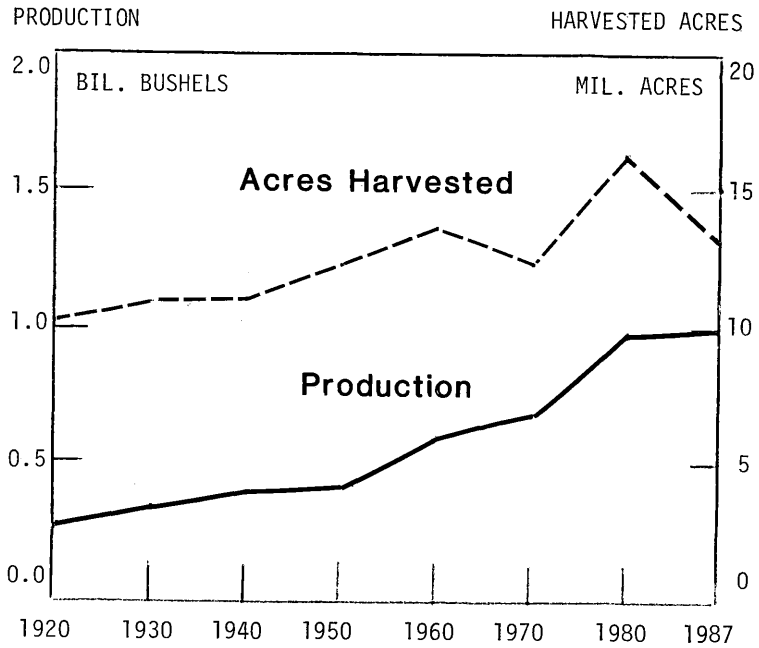
MINNESOTA STOCKS & CROPS PRICE RECORDS

Crop	Farm Stocks (000)	Off-Farm Stocks (000)	High Monthly Price	Low Monthly Price
Minnesota Corn	820,000 Bu. Dec. 1, 1986	259,100 Bu. Dec. 1, 1987	$3.34 Bu. October 1974	$0.13 Bu. February 1933
Minnesota Soybeans	125,000 Bu. Dec. 1, 1986	102,329 Bu. Dec. 1, 1986	$10.00 Bu. June 1973	$0.65 Bu. August 1939
Minnesota All Wheat	175,000 Bu. Sep. 1, 1986	101,732 Bu. Sep. 1, 1986	$5.38 Bu. February 1974	$0.33 Bu. December 1932
Minnesota Barley	88,688 Bu. Oct. 1, 1985	33,651 Bu. Oct. 1, 1970	$3.82 Bu. November 1974	$0.16 Bu. Feb.,March 1933
Minnesota Oats	208,670 Bu. Oct. 1, 1945	78,566 Bu. Oct. 1, 1971	$2.04 Bu. March 1981	$0.10 Bu. October 1932
Minnesota Flax	6,695 Bu. Oct. 1, 1950	21,538 Bu. Oct. 1, 1949	$10.80 Bu. March, Aug.1974	$0.82 Bu. August 1932
Minnesota Rye	4,356 Bu. Dec. 1, 1940	12,720 Bu. Oct. 1, 1972	$2.93 Bu.1/ 1981	$0.19 Bu. December 1932

1/ Highest annual price since monthly prices were discontinued in June 1976.

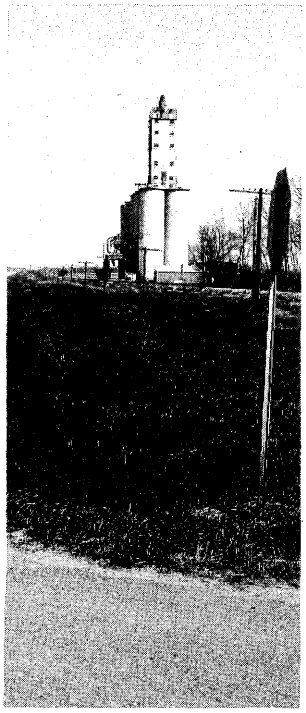
ACRES HARVESTED &

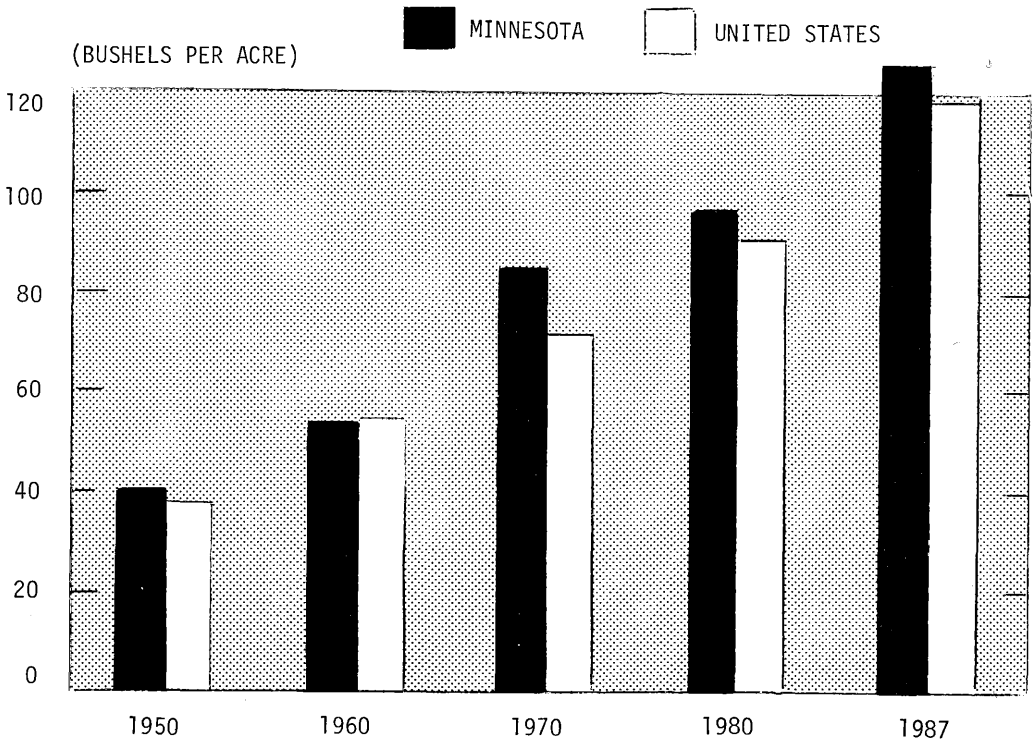
PRODUCTION OF MINNESOTA'S MAJOR CROPS*



*Corn, oats, barley, wheat, soybeans.

CORN YIELDS REACH RECORD-HIGH LEVELS IN 1987





MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price 2/	Farm Value of Production
			CORN FOR GRAIN			
	1,000 Acres 1/	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.	1,000 Dols.
1983	5,100	4,370	84.0	367,080	3.05	1,119,594
1984	7,250	6,440	107.0	689,080	2.45	1,688,246
1985	7,300	6,300	115.0	724,500	2.05	1,485,225
1986	6,400	5,800	122.0	707,600	1.46	1,033,096
1987	5,500	5,000	127.0	635,000	1.55	984,250
			CORN FOR SILAGE			
		1,000 Acres	Tons	1,000 Tons		
1983	-----	650	11.5	7,475	----	----
1984	-----	700	12.0	8,400	----	----
1985	-----	750	12.5	9,375	----	----
1986	-----	450	13.5	6,075	----	----
1987	-----	430	13.5	5,805	----	----
			SOYBEANS			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.	1,000 Dols.
1983	4,650	4,600	33.0	151,800	7.64	1,159,752
1984	5,300	5,240	33.0	172,920	5.43	938,956
1985	5,100	5,000	32.0	160,000	4.98	796,800
1986	4,750	4,650	35.0	162,750	4.72	768,180
1987	4,700	4,650	39.0	181,350	5.70	1,033,695
			OATS			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.	1,000 Dols.
1983	2,800	1,350	57.0	76,950	1.57	120,812
1984	1,500	1,200	65.0	78,000	1.60	124,800
1985	1,550	1,100	70.0	77,000	1.17	90,090
1986	1,600	850	51.0	43,350	1.28	55,488
1987	2,100	800	57.0	45,600	1.45	66,120
			BARLEY			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.	1,000 Dols.
1983	1,000	820	53.0	43,460	2.34	101,696
1984	1,050	950	65.0	61,750	2.06	127,205
1985	1,200	1,075	66.0	70,950	1.69	119,906
1986	1,200	1,000	55.0	55,000	1.47	80,850
1987	1,200	870	57.0	49,590	1.50	74,385
			RYE			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.	1,000 Dols.
1983	200	160	31.0	4,960	2.09	10,366
1984	200	175	38.0	6,650	1.94	12,901
1985	145	110	30.0	3,300	1.74	5,742
1986	100	50	32.0	1,600	1.46	2,336
1987	75	40	30.0	1,200	1.20	1,440

1/ Acreage planted to corn is for "all purposes". 2/ Season average prices through 1985 include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate but exclude deficiency payments, if any. 1987 prices are preliminary.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
			ALL WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1983	2,340	2,140	36.9	78,960	3.82	301,413
1984	2,635	2,553	47.3	120,711	3.41	411,688
1985	2,835	2,683	53.1	142,426	3.00	427,571
1986	2,965	2,814	36.8	103,666	2.43	251,674
1987	2,580	2,519	40.7	102,588	2.51	257,391
			SPRING WHEAT (OTHER THAN DURUM)			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1983	2,200	2,030	37.0	75,110	3.82	286,920
1984	2,200	2,160	48.0	103,680	3.42	354,586
1985	2,450	2,370	55.0	130,350	3.02	393,657
1986	2,750	2,650	37.0	98,050	2.43	238,262
1987	2,450	2,400	41.0	98,400	2.50	246,000
			DURUM WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1983	40	35	35.0	1,225	4.01	4,912
1984	35	33	47.0	1,551	3.68	5,708
1985	35	33	52.0	1,716	3.10	5,320
1986	35	34	39.0	1,326	2.90	3,845
1987	30	29	42.0	1,218	3.50	4,263
			WINTER WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1983	100	75	35.0	2,625	3.65	9,581
1984	400	360	43.0	15,480	3.32	51,394
1985	350	280	37.0	10,360	2.76	28,594
1986	180	130	33.0	4,290	2.23	9,567
1987	100	90	33.0	2,970	2.40	7,128
			FLAXSEED			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols.Per Bu.1/	1,000 Dols.
1983	85	75	12.5	938	6.68	6,266
1984	50	45	14.5	653	5.95	3,885
1985	60	50	19.0	950	4.95	4,703
1986	35	34	16.0	544	3.39	1,844
1987	15	14	16.0	224	3.30	739
			SUGARBEETS			
	Acres	Acres	Tons	Tons	Dols.Per Ton 2/	1,000 Dols.
1983	262,000	259,000	18.0	4,662,000	35.40	165,035
1984	268,000	263,000	16.5	4,340,000	35.40	153,636
1985	278,000	276,000	18.4	5,088,000	36.00	183,168
1986	315,000	311,000	16.7	5,194,000	39.20	203,605
1987	311,000	310,000	20.0	6,200,000	NA	NA

1/ Season average prices through 1985 include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate but exclude deficiency payments, if any. 1987 prices are preliminary. 2/ Excludes Sugar Act payments. NA = Not Available.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

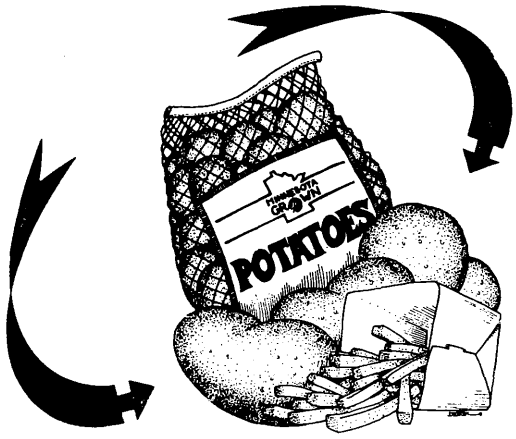
Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price 1/	Farm Value Of Production
			ALL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1983	250	239	1,106	264,250	14.00	36,956
1984	264	251	1,247	313,100	11.40	35,738
1985	245	219	903	197,780	8.24	16,296
1986	155	150	1,508	226,200	7.11	16,082
1987	90	88	1,455	128,050	7.25	9,284
			OIL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1983	240	230	1,100	253,000	13.90	35,167
1984	250	238	1,250	297,500	11.20	33,320
1985	220	196	880	172,480	7.60	13,108
1986	130	126	1,500	189,000	6.71	12,682
1987	80	79	1,450	114,550	7.05	8,076
			NON-OIL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1983	10	9	1,250	11,250	15.90	1,789
1984	14	13	1,200	15,600	15.50	2,418
1985	25	23	1,100	25,300	12.60	3,188
1986	25	24	1,550	37,200	9.14	3,400
1987	10	9	1,500	13,500	8.95	1,208
			ALL HAY			
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1983	-----	2,830	2.94	8,316	61.00	507,276
1984	-----	2,800	3.01	8,440	53.00	447,320
1985	-----	2,725	2.94	8,003	67.00	536,201
1986	-----	2,850	3.39	9,675	52.50	507,938
1987	-----	2,625	2.97	7,800	63.00	491,400
			ALFALFA HAY			
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1983	-----	1,900	3.30	6,270	-----	-------
1984	-----	1,900	3.40	6,460	-----	-------
1985	-----	1,825	3.30	6,023	-----	-------
1986	-----	1,950	3.90	7,605	-----	-------
1987	-----	1,700	3.50	5,950	-----	-------
			ALL OTHER HAY			
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1983	-----	930	2.20	2,046	-----	-------
1984	-----	900	2.20	1,980	-----	-------
1985	-----	900	2.20	1,980	-----	-------
1986	-----	900	2.30	2,070	-----	-------
1987	-----	925	2.00	1,850	-----	-------

1/ 1987 Prices Are Preliminary.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value of Production
			ALL POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1983	75,700	67,600	172	11,639	5.55	64,369
1984	83,300	78,500	197	15,455	5.10	78,519
1985	85,200	75,500	211	15,933	2.95	46,824
1986	78,300	76,200	201	15,293	4.50	68,282
1987	78,500	77,400	236	18,250	3.60 1/	64,980
			FALL POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1983	70,500	62,500	165	10,313	5.20	53,628
1984	77,100	72,500	190	13,775	4.70	64,743
1985	78,500	69,000	205	14,145	2.95	41,728
1986	72,000	70,000	195	13,650	4.25	58,013
1987	72,000	71,000	230	16,330	NA	NA
			SUMMER POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1983	5,200	5,100	260	1,326	8.10	10,741
1984	6,200	6,000	280	1,680	8.20	13,776
1985	6,700	6,500	275	1,788	2.85	5,096
1986	6,300	6,200	265	1,643	6.25	10,269
1987	6,500	6,400	300	1,920	NA	NA
			DRY EDIBLE BEANS			
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1983	42,000	39,000	1,160	452	22.80	10,306
1984	52,000	50,000	1,400	700	19.20	13,440
1985	68,000	62,000	1,400	868	14.60	12,673
1986	65,000	61,000	1,650	1,007	22.10	22,255
1987	75,000	74,000	1,600	1,184	16.20 1/	19,181

1/ Preliminary. NA = Not Available.



MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
			SWEET CORN FOR PROCESSING			
	Acres	Acres	Tons 1/	Tons 1/	Dols. Per Ton	1,000 Dols.
1983	111,200	108,400	4.60	498,640	52.90	26,378
1984	120,100	115,000	5.82	669,300	61.40	41,095
1985	124,400	118,300	5.77	682,590	59.50	40,614
1986	125,400	123,500	5.95	734,830	53.80	39,534
1987	130,600	112,200	6.50	729,300	56.10	40,914
			GREEN PEAS FOR PROCESSING			
	Acres	Acres	Tons 2/	Tons 2/	Dols. Per Ton	1,000 Dols.
1983	72,800	64,200	1.25	80,250	229.00	18,377
1984	78,300	74,200	1.38	102,400	243.00	24,883
1985	83,900	81,500	1.58	128,770	240.00	30,905
1986	77,300	72,700	1.30	94,510	232.00	21,926
1987	82,000	76,300	1.37	104,530	214.00	22,369
			ONIONS			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols. 3/
1983	850	790	200	158	13.10	1,703
1984	900	650	240	156	5.95	815
1985	800	670	290	194	5.28	866
1986	700	650	320	208	11.50	2,151
1987	730	650	300	195	9.14 4/	1,563
			CARROTS FOR FRESH MARKET & PROCESSING			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1983	1,500	1,300	340	442	7.02	3,105
1984	1,600	1,300	330	429	5.75	2,467
1985	1,500	1,200	380	456	6.45	2,940
1986	1,400	1,200	400	480	7.03	3,374
1987	1,600	1,500	350	525	5.89 4/	3,092

COMMERCIAL APPLES

Crop Year	Acreage Planted	Acreage Harvested	Utilized Production	Season Average Price	Farm Value Of Utilized Production
			Mil.Lbs.	Cents Per Lb.	1,000 Dols.
1983	---	---	21.0	20.3	4,256
1984	---	---	15.0	23.5	3,518
1985	---	---	21.0	22.0	4,612
1986	---	---	18.0	30.5	5,484
1987	---	---	23.0	21.6 4/	4,968

1/ In husk. 2/ Shelled. 3/ Value for onions is computed on marketed production.
4/ Preliminary.

MINNESOTA CROP MARKETINGS: PERCENT BY MONTHS

CORN

Crop Marketing Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1983-1984	9	12	8	10	5	10	11	8	8	8	7	4
1984-1985	9	15	6	6	7	7	8	8	9	12	7	6
1985-1986	8	21	12	10	4	4	7	8	9	5	5	7
1986-1987	4	10	7	8	7	11	8	10	9	9	12	5

SOYBEANS

Crop Marketing Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1983-1984	11	19	11	7	9	4	7	7	15	4	3	3
1984-1985	5	13	10	7	8	6	8	9	7	11	10	6
1985-1986	4	10	11	7	8	6	10	8	9	11	10	6
1986-1987	4	19	9	6	10	7	5	7	9	7	10	7

ALL WHEAT

Crop Marketing Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1983-1984	8	20	11	10	7	7	8	5	7	6	7	4
1984-1985	7	18	10	6	6	6	5	7	8	10	8	9
1985-1986	9	17	10	5	6	5	7	5	7	9	9	11
1986-1987	6	11	8	8	4	5	8	7	5	7	15	16

OATS

1983-1984	11	22	12	8	4	5	7	4	5	7	6	9
1984-1985	16	27	4	3	2	5	3	9	11	6	7	7
1985-1986	23	19	6	4	5	4	6	6	9	6	5	7
1986-1987	15	12	6	4	9	11	12	6	4	4	12	5

BARLEY

1983-1984	7	16	15	13	10	8	8	4	4	5	4	6
1984-1985	16	8	11	6	6	5	8	8	8	5	8	11
1985-1986	12	15	4	5	4	4	8	3	6	5	18	16
1986-1987	9	7	5	4	6	10	6	7	9	7	14	16

FLAX

1983-1984	2	42	16	12	11	2	2	2	4	5	1	1
1984-1985	-	9	22	42	4	4	-	8	1	6	2	2
1985-1986	1	2	12	29	13	1	8	19	4	5	4	2
1986-1987	2	2	12	50	10	6	2	2	1	2	2	9

ALL HAY

Crop Marketing Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1983-1984	5	9	4	6	4	8	9	14	10	9	14	8
1984-1985	4	7	4	5	3	3	12	20	11	10	14	7
1985-1986	5	8	4	5	4	12	10	11	7	14	13	7
1986-1987	13	7	5	5	3	5	9	13	11	12	11	6

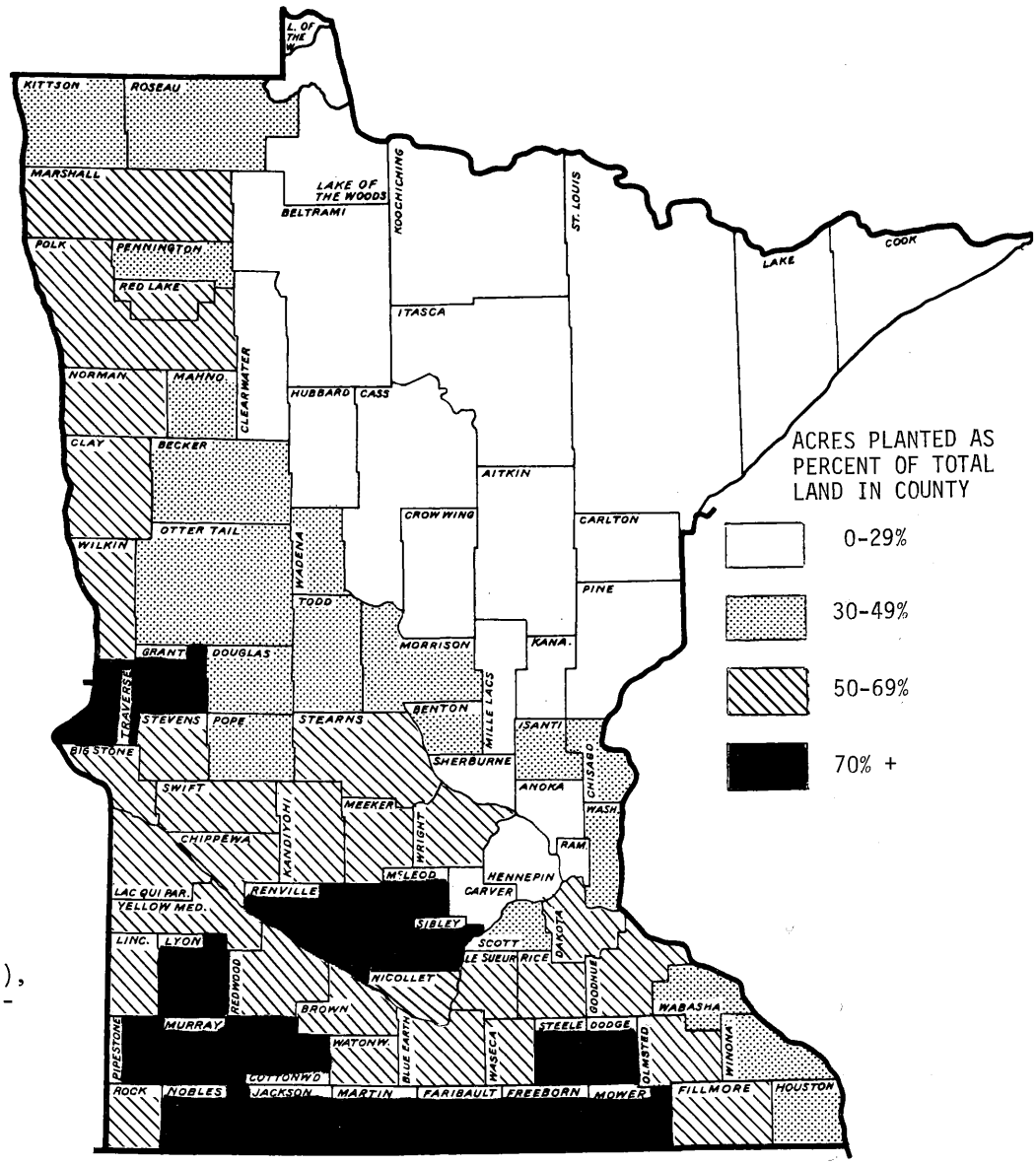
MINNESOTA GRAIN AND HAY STOCKS

Year	- On Farms -				- All Storage Positions -			
	1,000 Bushels				1,000 Bushels			
	CORN							
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
1984	440,496	304,676	190,882	66,074	569,529	415,053	262,113	94,003
1985	523,701	365,212	303,195	124,034	613,861	441,552	357,297	196,266
1986	652,050	507,150	420,210		794,652	624,284	534,284	
	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1
1986			290,000	820,000			420,008	1,027,267
1987	700,000	525,000	375,000	770,000	913,230	710,877	554,228	1,029,100
1988	620,000				852,641			
	ALL WHEAT							
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
1984	75,802	63,168	45,797	113,468	116,304	94,746	75,057	183,569
1985	95,362	73,634	62,770	162,366	143,149	114,817	100,087	236,891
1986	150,972	125,335	113,941		221,155	200,767	187,538	
	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1
1986			175,000	156,000			276,732	241,262
1987	130,000	92,000	145,000	125,000	221,733	172,952	239,731	203,951
1988	105,000				177,212			
	SOYBEANS							
	Jan. 1	April 1	June 1	Sept. 1	Jan. 1	April 1	June 1	Sept. 1
1984	81,972	53,130	28,842	12,144	134,293	96,501	56,916	22,786
1985	103,752	74,356	60,522	27,667	154,413	112,071	87,804	56,926
1986	123,200	94,400	68,800	29,500	196,427	156,673	125,371	89,984
	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1
1986				125,000				227,329
1987	105,000	60,000	26,000	120,000	204,577	146,193	86,178	208,181
1988	95,000				163,217			
	OATS 1/							
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
1984	61,560	39,245	24,624	63,180	75,831	47,090	29,128	76,489
1985	52,260	31,200	21,840	61,600	62,092	37,091	26,203	74,738
1986	47,740		23,100		55,664		27,381	
1987			12,500				18,003	
	BARLEY 1/							
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
1984	38,679	30,422	24,772	59,280	57,557	48,780	40,392	83,535
1985	51,253	41,373	38,285	88,688	73,904	62,882	54,615	111,964
1986	85,140		49,665		112,246		75,852	
1987			50,000				80,239	
	HAY							
	Jan. 1	May 1	Dec. 1					
		1,000 Tons						
1984	4,906	1,497						
1985	5,908	1,435						
1986	4,802	1,280	6,773					
1987		1,548	5,850					
1988		1,482						

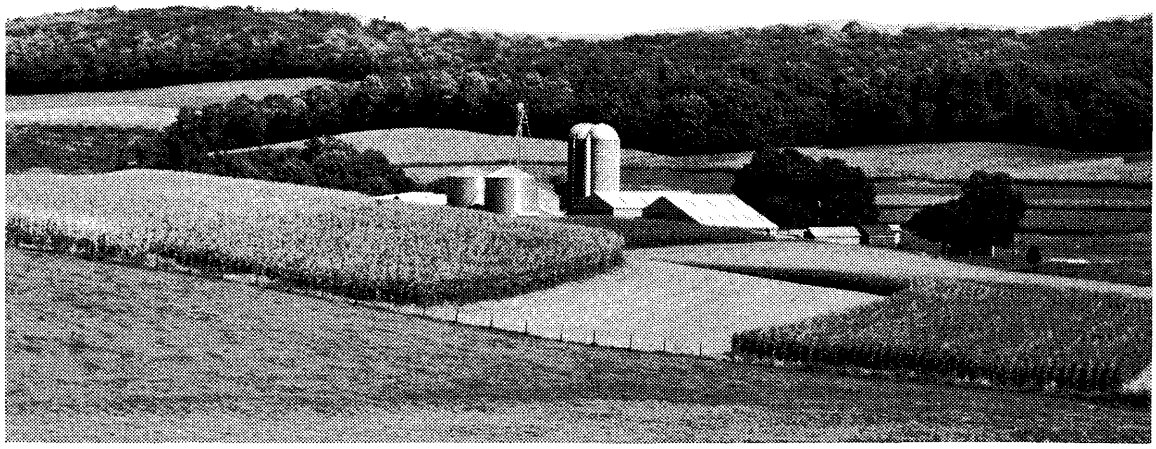
OFF- FARM HAY STOCKS NOT ESTIMATED

1/ Estimates are annual starting June 1, 1986.

MINNESOTA CROPLAND AS PERCENT OF TOTAL LAND IN COUNTY 1987 *

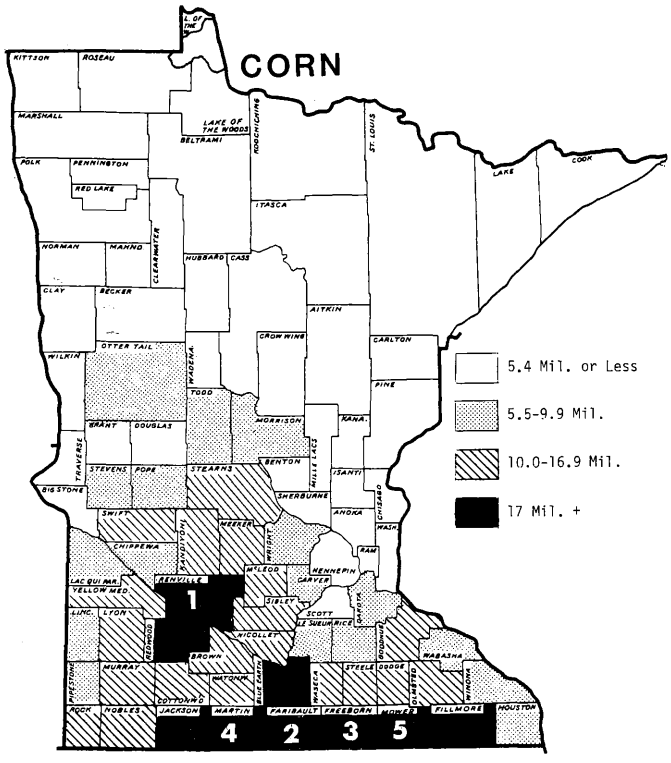


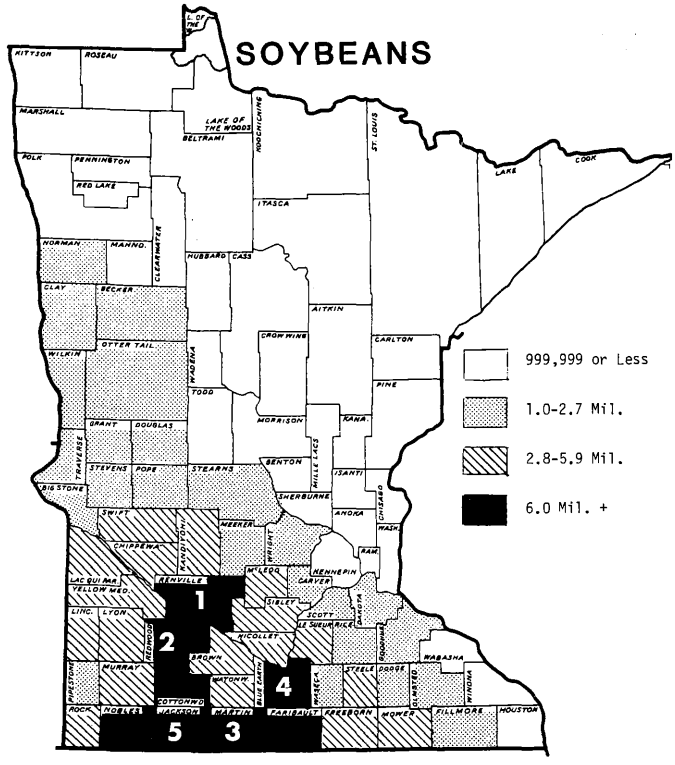
*Crops planted to barley, corn, dry edible beans, flax, all hay (harvested), oats, rye, soybeans, sunflowers, wheat, sweet corn, and green peas. (See pages 32-33 for statistical detail.)

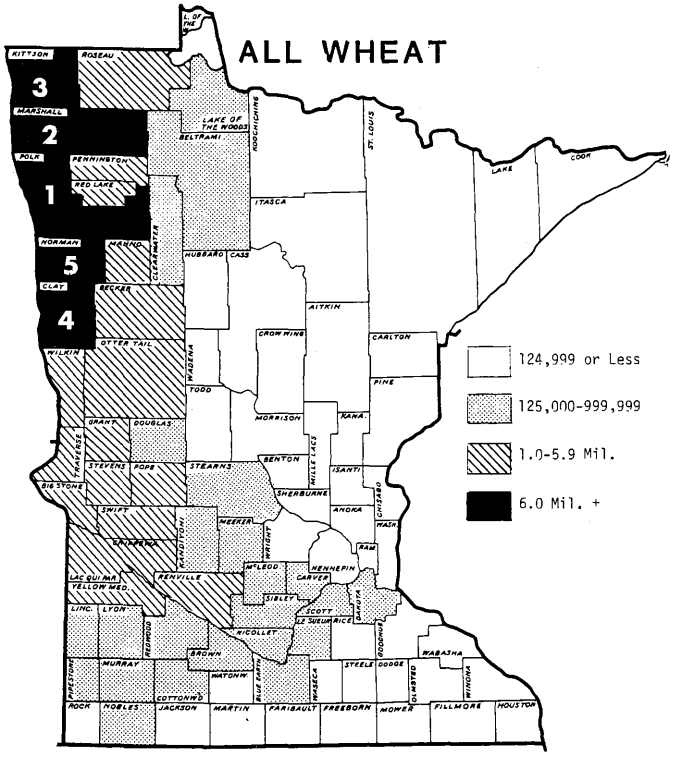


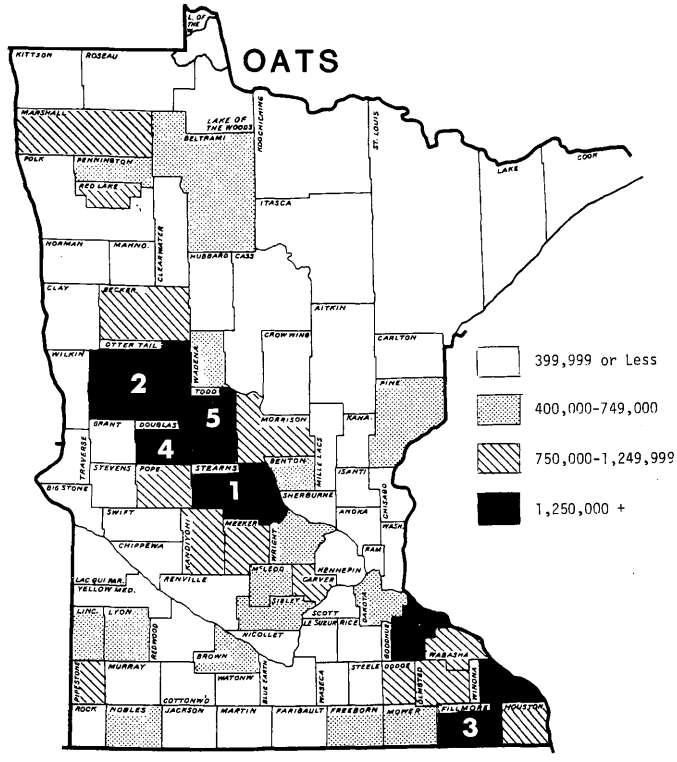
Geographic Distribution of Major Minnesota Crops in 1987

BUSHELS PRODUCED IN 1987









CROP ACREAGE AS PERCENTAGE OF TOTAL LAND BY DISTRICTS AND COUNTIES, MINNESOTA, 1987

DISTRICT AND COUNTY	APPROXIMATE LAND AREA IN COUNTY 1/	TOTAL LAND PLANTED TO CROPS 2/	ACRES PLANTED AS PERCENT OF TOTAL LAND IN COUNTY
	ACRES	ACRES	PERCENT
BECKER	839,680	254,700	30
CLAY	671,052	386,500	58
CLEARWATER	639,673	84,400	13
KITTSON	706,604	317,100	45
MAHNOMEN	357,817	156,800	44
MARSHALL	1,126,496	581,100	52
NORMAN	561,299	388,600	69
PENNINGTON	395,353	190,100	48
POLK	1,268,249	682,800	54
RED LAKE	277,004	150,000	54
ROSEAU	1,073,350	330,800	31
NORTHWEST	7,916,577	3,522,900	45
BELTRAMI	1,604,556	105,200	7
CASS	1,301,158	70,300	5
HUBBARD	598,764	56,600	9
ITASCA	1,703,334	69,600	4
KOOCHICHING	1,989,126	47,400	2
LAKE OF THE WOODS	829,548	51,700	6
NORTH CENTRAL	8,026,486	400,800	5
COOK	903,788	1,300	--
LAKE	1,313,651	2,000	--
ST. LOUIS	3,919,936	87,100	2
NORTHEAST	6,137,375	90,400	1
BIG STONE	317,772	197,800	62
CHIPPEWA	373,779	252,100	67
DOUGLAS	411,827	181,100	44
GRANT	350,284	246,300	70
LAC QUI PARLE	493,862	289,100	59
OTTER TAIL	1,262,860	562,300	45
POPE	427,827	192,300	45
STEVENS	358,304	246,800	69
SWIFT	475,712	281,900	59
TRAVERSE	367,705	277,800	76
WILKIN	480,761	325,700	68
YELLOW MEDICINE	485,433	329,700	68
WEST CENTRAL	5,806,126	3,382,900	58
BENTON	261,312	112,500	43
CARVER	224,640	129,400	58
KANDIYOHI	501,542	303,700	61
MC LEOD	312,934	221,700	71
MEEKER	399,609	247,700	62
MORRISON	719,174	224,000	31
RENVILLE	629,900	447,500	71
SCOTT	228,646	101,900	45
SHERBURNE	278,208	78,700	28
SIBLEY	379,705	283,500	75
STEARNS	856,403	497,000	58
TODD	602,380	260,000	43
WADENA	344,038	103,000	30
WRIGHT	430,086	218,300	51
CENTRAL	6,168,577	3,228,900	52

CROP ACREAGE AS PERCENTAGE OF TOTAL LAND BY DISTRICTS AND COUNTIES, MINNESOTA, 1987 (CONT'D)

DISTRICT AND COUNTY	APPROXIMATE LAND AREA IN COUNTY 1/	TOTAL ACRES PLANTED TO CROPS 2/	ACRES PLANTED AS PERCENT OF TOTAL LAND IN COUNTY
	ACRES	ACRES	PERCENT
AITKIN	1,173,600	86,100	7
ANOKA	275,097	58,800	21
CARLTON	552,832	74,700	14
CHISAGO	267,027	95,700	36
CROW WING	644,819	61,400	10
HENNEPIN	346,105	70,900	20
ISANTI	281,510	92,100	33
KANABEC	337,472	76,300	23
MILLE LACS	369,939	83,900	23
PINE	909,536	150,700	17
RAMSEY	98,572	4,600	5
WASHINGTON	249,318	81,500	33
EAST CENTRAL	5,505,827	936,700	17
COTTONWOOD	409,382	302,100	74
JACKSON	447,155	361,700	81
LINCOLN	344,627	223,700	65
LYON	457,107	348,600	76
MURRAY	448,998	319,000	71
NOBLES	457,190	345,500	76
PIPESTONE	298,188	215,600	72
REDWOOD	564,230	388,200	69
ROCK	309,094	208,600	67
SOUTHWEST	3,735,971	2,713,000	73
BLUE EARTH	479,673	317,100	66
BROWN	390,636	259,700	66
FARIBAULT	457,107	324,000	71
FREEBORN	451,481	331,700	73
LE SUEUR	285,600	168,400	59
MARTIN	451,808	355,900	79
NICOLLET	281,702	185,600	66
RICE	320,672	161,600	50
STEELE	275,603	193,200	70
WASECA	270,355	186,700	69
WATONWAN	278,457	189,000	68
SOUTH CENTRAL	3,943,094	2,672,900	68
DAKOTA	367,558	195,700	53
DODGE	281,248	216,700	77
FILLMORE	551,718	286,700	52
GOODHUE	488,294	280,900	58
HOUSTON	361,036	123,100	34
MOWER	455,033	352,300	77
OLMSTED	419,008	235,300	56
WABASHA	343,609	145,200	42
WINONA	403,360	176,200	44
SOUTHEAST	3,670,864	2,012,100	55
MINNESOTA	50,910,897	18,960,600	37

1/ Land area in county is taken from the 1982 U.S. Census of Agriculture.
2/ Includes crops planted to barley, corn, dry edible beans, flax, all hay, oats, rye, soybeans, all sunflowers, all wheat, sweet corn, and green peas.

CORN: ACREAGE PLANTED ALL PURPOSES, HARVESTED FOR GRAIN, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
BECKER	26,600	21,000	15,600	14,000	83.0	90.0	1,294,800	1,260,000
CLAY	44,200	39,000	38,800	32,500	96.0	106.0	3,724,800	3,445,000
CLEARWATER	7,500	6,000	2,800	2,800	72.0	85.0	201,600	238,000
KITTSON	2,300	1,700	200	400	74.0	85.0	14,800	34,000
MAHNOMEN	12,900	11,300	8,300	8,000	81.0	96.0	672,300	768,000
MARSHALL	9,500	8,500	7,200	6,300	77.0	80.0	554,400	504,000
NORMAN	26,300	25,500	18,600	18,700	83.0	98.0	1,543,800	1,832,600
PENNINGTON	3,200	3,500	2,200	3,100	69.0	95.0	151,800	294,500
POLK	35,700	30,000	28,800	26,300	84.0	105.0	2,419,200	2,761,500
RED LAKE	15,300	12,000	9,800	10,000	71.0	97.0	695,800	970,000
ROSEAU	4,700	5,000	800	1,300	60.0	88.0	48,000	114,400
NORTHWEST	188,200	163,500	133,100	123,400	85.1	99.0	11,321,300	12,222,000
BELTRAMI	6,800	5,700	2,000	2,200	86.0	93.0	172,000	204,600
CASS	5,700	4,800	3,300	2,500	83.0	101.0	273,900	252,500
HUBBARD	8,300	6,800	7,100	5,900	95.0	101.0	674,500	595,900
ITASCA	800	500	200	200	69.0	84.0	13,800	16,800
KOOCHICHING	1,500	1,000	400	300	90.0	106.0	36,000	31,800
LAKE OF WOODS	1,200	1,200	500	800	98.0	80.0	49,000	64,000
NORTH CENTRAL	24,300	20,000	13,500	11,900	90.3	97.9	1,219,200	1,165,600
ST.LOUIS	600	500	500	300	75.0	50.0	37,500	15,000
NORTHEAST	600	500	500	300	75.0	50.0	37,500	15,000
BIG STONE	44,400	38,500	40,900	35,100	87.0	93.0	3,558,300	3,264,300
CHIPPEWA	96,000	80,000	92,400	77,200	104.0	123.0	9,609,600	9,495,600
DOUGLAS	48,200	34,000	35,400	24,700	89.0	103.0	3,138,000	2,544,100
GRANT	29,300	29,500	25,800	25,700	100.0	107.0	2,580,000	2,749,900
LAC QUI PARLE	89,700	85,000	85,500	81,500	113.0	105.0	9,661,500	8,557,500
OTTER TAIL	146,500	122,000	115,700	95,400	99.0	93.0	11,454,300	8,872,200
POPE	66,900	60,500	57,300	52,200	102.0	113.0	5,844,600	5,898,600
STEVENS	84,200	69,500	78,400	65,300	110.0	118.0	8,624,000	7,705,400
SWIFT	130,100	109,000	124,600	106,100	106.0	117.0	13,207,600	12,413,700
TRAVERSE	27,100	30,000	25,100	26,100	98.0	90.0	2,459,800	2,349,000
WILKIN	34,400	30,000	33,100	28,500	89.0	97.0	2,945,900	2,764,500
YELLOW MED.	141,400	112,000	136,900	108,300	119.0	117.0	16,291,100	12,671,100
WEST CENTRAL	938,200	800,000	851,100	726,100	105.0	109.2	89,374,700	79,285,900
BENTON	47,700	42,500	40,100	34,000	107.0	114.0	4,290,700	3,876,000
CARVER	62,300	51,000	50,600	43,800	123.0	134.0	6,223,800	5,869,200
KANDIYOHI	133,300	121,500	126,400	114,900	109.0	124.0	13,777,600	14,247,600
MC LEOD	99,200	80,000	90,800	75,000	121.0	143.0	10,986,800	10,725,000
MEEKER	110,200	97,500	103,400	92,100	109.0	119.0	11,270,600	10,959,900
MORRISON	90,200	83,500	70,700	64,700	96.0	89.0	6,756,400	5,758,300
RENVILLE	184,100	156,000	177,700	152,600	129.0	146.0	22,923,300	22,279,600
SCOTT	40,700	32,000	37,100	29,500	137.0	124.0	5,082,700	3,658,000
SHERBURNE	35,500	29,000	31,900	25,100	127.0	108.0	4,051,300	2,710,800
SIBLEY	129,300	108,000	123,600	103,800	133.0	139.0	16,438,800	14,428,200
STEARNS	195,700	165,000	136,000	118,700	105.0	113.0	14,280,000	13,413,100
TODD	116,800	101,000	83,100	75,200	96.0	105.0	7,977,600	7,896,000
WADENA	27,500	25,000	19,100	18,000	93.0	85.0	1,776,300	1,530,000
WRIGHT	106,200	91,000	90,600	79,400	111.0	105.0	10,056,600	8,337,000
CENTRAL	1,378,700	1,183,000	1,181,100	1,026,800	115.1	122.4	135,892,500	125,688,700

CORN: ACREAGE PLANTED ALL PURPOSES, HARVESTED FOR GRAIN, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
AITKIN	4,900	4,500	2,300	2,700	83.0	101.0	190,900	272,700
ANOKA	27,800	23,000	26,600	22,100	93.0	104.0	2,473,800	2,298,400
CARLTON	1,800	1,500	400	0	70.0	0.0	28,000	0
CHISAGO	46,500	41,500	42,500	38,000	103.0	108.0	4,377,500	4,104,000
CROW WING	11,200	10,000	7,900	7,500	90.0	96.0	711,000	720,000
HENNEPIN	33,700	23,500	31,500	21,600	118.0	127.0	3,717,000	2,743,200
ISANTI	54,900	38,500	51,700	35,400	107.0	106.0	5,531,900	3,752,400
KANABEC	29,700	20,500	21,000	15,900	104.0	90.0	2,184,000	1,431,000
MILLE LACS	35,100	28,500	28,100	20,400	96.0	100.0	2,697,600	2,039,600
PINE	35,500	32,500	24,000	22,900	92.0	100.0	2,208,000	2,290,000
RAMSEY	1,100	1,000	1,000	800	103.0	129.0	103,000	103,200
WASHINGTON	46,100	33,000	43,500	31,100	132.0	137.0	5,742,000	4,260,700
EAST CENTRAL	328,300	258,000	280,500	218,400	106.8	110.0	29,964,700	24,015,200
COTTONWOOD	151,800	128,000	146,000	122,500	138.0	130.0	20,148,000	15,925,000
JACKSON	186,900	144,000	180,500	139,200	134.0	140.0	24,187,000	19,488,000
LINCOLN	88,000	71,000	70,400	65,000	92.0	112.0	6,476,800	7,280,000
LYON	150,300	133,000	144,000	126,100	118.0	126.0	16,992,000	15,888,600
MURRAY	131,900	124,000	125,000	114,400	122.0	125.0	15,250,000	14,300,000
NOBLES	152,000	136,000	142,300	127,700	111.0	126.0	15,795,300	16,090,200
PIPESTONE	98,600	88,000	91,800	81,600	101.0	118.0	9,271,800	9,628,800
REDWOOD	172,100	146,000	167,300	141,400	132.0	130.0	22,083,600	18,382,000
ROCK	113,200	95,000	107,300	90,400	127.0	130.0	13,627,100	11,752,000
SOUTHWEST	1,244,800	1,065,000	1,174,600	1,008,300	122.5	127.7	143,831,600	128,734,600
BLUE EARTH	155,200	134,000	149,800	129,500	137.0	142.0	20,522,600	18,389,000
BROWN	110,200	96,000	104,200	90,800	135.0	137.0	14,067,000	12,439,600
FARIBAULT	179,800	153,000	173,200	148,400	143.0	142.0	24,767,600	21,072,800
FREEBORN	179,200	148,000	174,400	144,400	134.0	143.0	23,369,600	20,649,200
LE SUEUR	69,300	64,000	67,100	61,000	136.0	137.0	9,125,600	8,357,000
MARTIN	160,000	149,000	155,000	142,000	146.0	142.0	22,630,500	20,164,000
NICOLLET	81,400	76,000	77,900	71,600	138.0	143.0	10,750,200	10,238,800
RICE	89,100	70,000	83,400	65,900	139.0	140.0	11,592,600	9,226,000
STEELE	108,900	92,000	105,100	89,000	130.0	140.0	13,663,000	12,460,000
WASECA	113,700	104,000	110,000	98,800	134.0	141.0	14,740,000	13,930,800
WATONWAN	92,700	79,000	89,200	76,400	141.0	140.0	12,577,200	10,696,000
SOUTH CENTRAL	1,339,500	1,165,000	1,289,300	1,117,800	137.9	141.0	177,805,900	157,623,200
DAKOTA	91,100	80,000	83,300	72,900	141.0	134.0	11,745,300	9,768,600
DODGE	101,600	92,000	95,800	86,600	127.0	140.0	12,166,600	12,124,000
FILLMORE	167,300	139,000	157,600	131,000	135.0	135.0	21,276,000	17,685,000
GOODHUE	121,900	115,000	112,500	102,600	134.0	144.0	15,075,000	14,774,400
HOUSTON	53,300	50,000	45,100	40,500	148.0	137.0	6,674,800	5,548,500
MOWER	168,100	148,000	162,400	142,000	130.0	140.0	21,112,000	19,880,000
OLMSTED	118,900	102,000	97,800	85,000	129.0	138.0	12,616,200	11,730,000
WABASHA	63,700	56,000	58,100	50,300	142.0	138.0	8,250,200	6,941,400
WINONA	71,500	63,000	63,700	56,100	145.0	139.0	9,236,500	7,797,900
SOUTHEAST	957,400	845,000	876,300	767,000	134.8	138.5	118,152,600	106,249,800
MINNESOTA	6,400,000	5,500,000	5,800,000	5,000,000	122.0	127.0	707,600,000	635,000,000

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987
	-ACRES-		-TONS-		-TONS-	
BECKER	10,200	6,800	10.7	9.9	108,900	67,600
CLAY	4,000	6,100	11.8	10.2	47,300	62,500
CLEARWATER	3,800	3,200	7.6	7.9	29,000	25,300
KITTSON	1,200	1,100	7.7	11.7	9,200	12,900
MAHNOMEN	4,100	3,200	10.7	10.3	43,800	33,000
MARSHALL	1,900	2,100	10.7	10.1	20,400	21,200
NORMAN	6,900	6,600	10.4	9.4	71,900	62,000
PENNINGTON	500	300	10.8	13.7	5,400	4,100
POLK	5,900	3,600	11.3	9.9	66,400	35,600
RED LAKE	3,600	1,900	10.7	13.8	38,600	26,300
ROSEAU	3,200	3,400	10.4	7.3	33,400	24,800
NORTHWEST	45,300	38,300	10.5	9.8	474,300	375,300
BELTRAMI	4,500	3,300	13.5	9.8	60,700	32,500
CASS	2,300	2,200	13.2	8.4	30,400	18,600
HUBBARD	1,100	900	12.4	8.6	13,600	7,700
KOOCHICHING	1,100	600	13.5	8.7	14,900	5,200
OTHER COUNTIES	700	400	10.9	12.8	7,600	5,100
NORTH CENTRAL	9,700	7,400	13.1	9.3	127,200	69,100
BIG STONE	2,700	2,600	14.9	15.9	40,300	41,300
CHIPPEWA	1,900	1,900	11.2	17.4	21,300	33,000
DOUGLAS	10,700	9,100	13.9	11.2	148,500	101,700
GRANT	3,000	3,500	12.1	14.0	36,400	49,100
LAC QUI PARLE	2,900	2,900	15.6	13.5	45,300	39,200
OTTER TAIL	27,700	26,400	12.3	10.3	340,400	272,600
POPE	7,600	7,600	14.1	13.7	106,800	104,300
STEVENS	3,000	3,600	14.3	13.9	42,800	50,100
SWIFT	2,600	2,400	10.2	12.9	26,600	31,000
TRAVERSE	1,500	1,600	17.1	10.3	25,600	16,500
WILKIN	700	800	12.3	12.2	8,600	9,800
YELLOW MEDICINE	2,500	2,900	12.6	12.3	31,500	35,600
WEST CENTRAL	66,800	65,300	13.1	12.0	874,100	784,200
BENTON	6,800	8,300	12.3	10.5	83,700	87,300
CARVER	9,600	7,100	13.3	16.9	127,500	119,800
KANDIYOHI	4,600	5,900	12.3	12.9	56,500	76,400
MC LEOD	6,800	4,800	14.4	16.4	98,200	78,500
MEEKER	4,700	5,000	12.4	13.1	58,100	65,600
MORRISON	17,600	18,200	12.6	8.2	221,600	150,200
RENVILLE	2,800	2,800	15.2	17.5	42,600	49,000
SCOTT	3,000	2,300	14.3	14.1	42,900	32,500
SHERBURNE	3,100	3,700	13.7	11.2	42,400	41,300
SIBLEY	3,300	3,800	18.4	16.7	60,600	63,500
STEARNS	51,700	46,100	13.1	12.9	676,100	595,300
TODD	26,800	25,700	12.5	11.4	335,100	291,700
WADENA	8,100	6,800	9.8	11.2	79,400	76,400
WRIGHT	13,000	11,400	15.1	13.4	196,300	152,800
CENTRAL	161,900	151,900	13.1	12.4	2,121,000	1,880,300

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987
	-ACRES-		-TONS-		-TONS-	
AITKIN	2,300	1,700	5.2	9.1	12,000	15,500
ANOKA	900	800	9.2	9.0	8,300	7,200
CARLTON	900	1,200	11.3	9.9	10,200	11,900
CHISAGO	3,200	3,100	12.7	10.5	40,500	32,500
CROW WING	2,500	2,400	10.6	9.2	26,400	22,200
HENNEPIN	1,800	1,700	12.4	11.5	22,300	19,600
ISANTI	2,000	2,600	12.9	10.7	25,700	27,900
KANABEC	7,900	4,500	11.9	10.1	94,000	45,400
MILLE LACS	6,300	7,900	14.7	12.1	92,700	95,500
PINE	10,400	9,500	12.2	10.2	127,000	97,100
OTHER COUNTIES	2,200	1,900	15.5	13.8	34,000	26,300
EAST CENTRAL	40,400	37,300	12.2	10.8	493,100	401,100
COTTONWOOD	4,000	4,300	15.5	17.9	62,000	76,900
JACKSON	3,400	3,500	16.9	17.1	57,400	60,000
LINCOLN	4,200	4,400	11.7	16.3	49,200	71,800
LYON	4,500	5,500	12.0	13.1	54,100	71,900
MURRAY	5,300	5,600	14.4	16.4	76,300	91,900
NOBLES	3,700	3,900	11.6	13.9	43,000	54,200
PIPESTONE	5,300	5,500	12.7	13.6	67,100	74,900
REDWOOD	2,600	2,800	14.7	15.5	38,100	43,400
ROCK	4,400	4,300	17.0	16.7	74,700	71,800
SOUTHWEST	37,400	39,800	14.0	15.5	521,900	616,800
BLUE EARTH	1,700	1,900	15.2	14.9	25,800	28,400
BROWN	4,200	4,300	16.1	21.3	67,600	91,400
FARIBAULT	2,000	2,100	15.9	20.9	31,800	43,900
FREEBORN	2,000	2,200	17.7	20.4	35,400	44,900
LE SUEUR	800	1,200	14.3	18.9	11,400	22,700
MARTIN	1,800	1,900	14.2	16.8	25,500	32,000
NICOLLET	2,000	2,100	14.8	19.4	29,500	40,800
RICE	4,000	3,900	13.6	17.5	54,500	68,200
STEELE	1,700	1,800	12.9	20.1	21,900	36,100
WASECA	1,300	1,400	15.3	16.3	19,900	22,800
WATONWAN	1,200	1,300	17.8	20.6	21,400	26,800
SOUTH CENTRAL	22,700	24,100	15.2	19.0	344,700	458,000
DAKOTA	6,500	6,300	14.1	15.6	91,900	98,100
DODGE	3,600	3,900	17.8	19.5	64,000	75,900
FILLMORE	7,700	7,600	17.0	17.7	130,900	134,700
GOODHUE	7,800	7,900	17.9	17.4	139,700	137,800
HOUSTON	7,500	8,500	18.1	23.0	135,600	195,400
MOWER	3,500	3,900	16.8	16.7	58,900	65,100
OLMSTED	18,000	16,700	17.2	18.1	309,700	302,000
WABASHA	4,600	4,700	15.1	19.2	69,300	90,400
WINONA	6,600	6,400	18.0	18.9	118,700	120,800
SOUTHEAST	65,800	65,900	17.0	18.5	1,118,700	1,220,200
MINNESOTA	450,000	430,000	13.5	13.5	6,075,000	5,805,000

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
BECKER	33,600	37,000	33,400	36,500	30.0	35.0	1,002,000	1,277,500
CLAY	68,600	76,200	67,700	75,200	35.0	33.0	2,369,500	2,481,600
CLEARWATER	500	500	400	500	22.0	26.0	8,800	13,000
KITTSON	1,400	3,000	1,400	3,000	21.0	24.0	29,400	72,000
MAHNOMEN	23,300	22,600	23,000	22,300	26.0	31.0	598,000	691,300
MARSHALL	25,200	28,500	25,000	28,200	27.0	25.0	675,000	705,000
NORMAN	57,200	55,100	56,500	53,200	31.0	33.0	1,751,500	1,755,600
PENNINGTON	1,400	2,700	1,400	2,700	25.0	30.0	35,000	81,000
POLK	24,600	23,800	24,500	23,400	31.0	31.0	759,500	725,400
RED LAKE	4,300	4,100	4,200	4,100	29.0	31.0	121,800	127,100
ROSEAU	1,300	2,600	1,100	2,400	23.0	20.0	25,300	48,000
NORTHWEST	241,400	256,100	238,600	251,500	30.9	31.8	7,375,800	7,977,500
NORTH CENTRAL	600	400	500	400	22.0	24.0	11,000	9,600
BIG STONE	65,300	66,300	64,700	65,900	33.0	31.0	2,135,100	2,042,900
CHIPPEWA	95,800	93,200	94,600	91,800	33.0	40.0	3,121,800	3,672,000
DOUGLAS	32,000	33,100	31,200	32,600	30.0	31.0	936,000	1,010,600
GRANT	82,600	84,700	81,700	83,900	30.0	31.0	2,451,000	2,600,900
LAC QUI PARLE	101,100	104,500	100,400	103,700	33.0	34.0	3,313,200	3,525,800
OTTER TAIL	38,300	41,200	37,700	40,800	32.0	32.0	1,206,400	1,305,600
POPE	35,800	36,800	34,900	36,400	30.0	33.0	1,047,000	1,201,200
STEVENS	81,100	78,600	80,800	77,700	32.0	33.0	2,585,600	2,564,100
SWIFT	88,500	87,100	87,200	86,100	30.0	35.0	2,616,000	3,013,500
TRAVERSE	97,800	90,200	96,800	89,400	31.0	30.0	3,000,800	2,682,000
WILKIN	79,700	84,600	79,500	83,300	32.0	30.0	2,544,000	2,499,000
YELLOW MED	146,100	144,100	145,200	142,800	31.0	38.0	4,501,200	5,426,400
WEST CENTRAL	944,100	944,400	934,700	934,400	31.5	33.8	29,458,100	31,544,000
BENTON	7,300	7,200	6,800	7,000	30.0	31.0	204,000	217,000
CARVER	23,700	24,100	23,400	23,700	36.0	44.0	842,400	1,042,800
KANDIYOHI	86,300	84,200	84,800	83,400	31.0	37.0	2,628,800	3,085,800
MC LEOD	80,900	78,600	79,600	77,400	32.0	40.0	2,547,200	3,096,000
MEEKER	73,800	71,600	62,400	70,400	30.0	38.0	1,872,000	2,675,200
MORRISON	4,800	5,000	4,800	4,900	29.0	27.0	139,200	132,300
RENVILLE	219,000	214,500	212,100	212,600	34.0	43.0	7,211,400	9,141,800
SCOTT	32,400	33,200	32,300	32,900	36.0	40.0	1,162,800	1,316,000
SHERBURNE	13,100	14,700	13,000	14,600	40.0	30.0	520,000	438,000
SIBLEY	114,900	111,100	111,700	110,200	34.0	41.0	3,797,800	4,518,200
STEARNS	35,900	34,700	33,900	33,700	31.0	32.0	1,050,900	1,078,400
TODD	6,900	6,700	5,900	6,600	33.0	34.0	194,700	224,400
WADENA	2,400	2,000	2,400	2,000	30.0	33.0	72,000	66,000
WRIGHT	57,200	57,300	56,700	56,400	33.0	37.0	1,871,100	2,086,800
CENTRAL	758,600	744,900	729,800	735,800	33.0	39.6	24,114,300	29,118,700

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

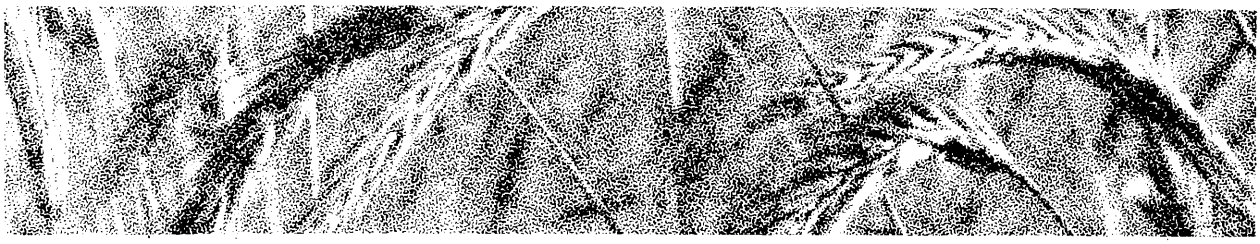
DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
ANOKA	10,000	8,600	9,800	8,300	29.0	31.0	284,200	257,300
CHISAGO	16,900	18,100	16,600	18,000	30.0	32.0	498,000	576,000
HENNEPIN	10,300	12,900	10,200	12,700	30.0	34.0	306,000	431,800
ISANTI	15,000	15,300	14,900	15,200	31.0	31.0	461,900	471,200
KANABEC	1,000	800	1,000	800	29.0	30.0	29,000	24,000
MILLE LACS	2,800	3,100	2,800	2,900	29.0	33.0	81,200	95,700
PINE	3,200	3,500	3,200	3,500	29.0	30.0	92,800	105,000
RAMSEY	1,400	1,200	1,400	1,200	36.0	34.0	50,400	40,800
WASHINGTON	19,200	18,500	19,000	18,300	35.0	39.0	665,000	713,700
OTHER COUNTIES	1,000	900	1,000	900	31.3	30.1	29,000	27,100
EAST CENTRAL	79,800	82,100	78,900	81,000	31.3	33.6	2,468,500	2,718,600
COTTONWOOD	149,200	151,900	146,500	150,200	36.0	41.0	5,274,000	6,158,200
JACKSON	167,600	166,600	165,600	166,000	36.0	42.0	5,961,600	6,972,000
LINCOLN	78,300	79,400	69,100	78,500	30.0	39.0	2,073,000	3,061,500
LYON	126,900	122,500	125,100	121,000	35.0	38.0	4,378,500	4,598,000
MURRAY	145,300	140,600	142,000	139,300	34.0	39.0	4,828,000	5,432,700
NOBLES	164,500	158,200	152,200	156,700	31.0	39.0	4,718,200	6,111,300
PIPESTONE	70,400	68,200	69,800	67,500	31.0	37.0	2,163,800	2,497,500
REDWOOD	200,500	195,700	198,600	193,500	35.0	40.0	6,951,000	7,740,000
ROCK	79,900	78,900	79,100	78,000	31.0	40.0	2,452,100	3,120,000
SOUTHWEST	1,182,600	1,162,000	1,148,000	1,150,700	33.8	39.7	38,800,200	45,691,200
BLUE EARTH	170,900	166,300	167,700	164,500	40.0	44.0	6,708,000	7,238,000
BROWN	111,400	114,700	108,700	114,600	38.0	42.0	4,130,600	4,813,200
FARIBAULT	147,800	144,400	146,100	144,100	42.0	42.0	6,136,200	6,052,200
FREEBORN	117,900	115,600	116,500	115,400	41.0	44.0	4,776,500	5,077,600
LE SUEUR	74,400	71,200	73,200	70,900	40.0	42.0	2,928,000	2,977,800
MARTIN	177,800	172,500	176,100	170,600	44.0	44.0	7,748,400	7,506,400
NICOLLET	78,600	75,200	76,800	74,400	38.0	43.0	2,918,400	3,199,200
RICE	42,600	40,400	42,100	40,300	41.0	43.0	1,726,100	1,732,900
STEELE	69,500	65,500	68,500	65,400	39.0	44.0	2,671,500	2,877,600
WASECA	61,500	60,100	60,200	55,000	40.0	43.0	2,408,000	2,365,000
WATONWAN	89,000	86,800	86,800	86,500	41.0	43.0	3,558,800	3,719,500
SOUTH CENTRAL	1,141,400	1,112,700	1,122,700	1,101,700	40.7	43.2	45,710,500	47,559,400
DAKOTA	66,400	65,300	65,500	65,200	40.0	41.0	2,620,000	2,673,200
DODGE	59,100	57,400	58,300	56,800	37.0	42.0	2,157,100	2,385,600
FILLMORE	32,300	32,700	32,100	32,300	35.0	42.0	1,123,500	1,356,600
GOODHUE	41,300	39,500	40,900	39,400	39.0	43.0	1,595,100	1,694,200
HOUSTON	2,100	2,500	2,100	2,500	41.0	46.0	86,100	115,000
MOWER	137,700	136,900	136,600	135,400	36.0	43.0	4,917,600	5,822,200
OLMSTED	43,100	45,200	42,000	45,100	37.0	42.0	1,554,000	1,894,200
WABASHA	12,500	11,100	12,400	11,000	40.0	44.0	496,000	484,000
WINONA	7,000	6,800	6,900	6,800	38.0	45.0	262,200	306,000
SOUTHEAST	401,500	397,400	396,800	394,500	37.3	42.4	14,811,600	16,731,000
MINNESOTA	4,750,000	4,700,000	4,650,000	4,650,000	35.0	39.0	162,750,000	181,350,000

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
BECKER	58,700	53,900	56,600	51,900	32.3	43.3	1,830,000	2,248,000
CLAY	140,500	163,200	135,700	160,400	36.8	42.9	4,991,800	6,880,100
CLEARWATER	20,600	9,300	19,900	8,200	28.5	31.0	567,400	254,200
KITTSON	255,300	193,900	244,400	189,800	39.0	41.0	9,519,700	7,777,600
MAHNOMEN	33,200	37,800	31,400	36,100	34.7	43.7	1,090,400	1,577,900
MARSHALL	307,900	308,700	297,400	303,900	43.0	41.0	12,781,900	12,466,500
NORMAN	214,800	150,900	208,200	147,400	37.9	42.9	7,887,600	6,322,600
PENNINGTON	86,000	74,200	84,800	72,500	33.0	38.0	2,799,200	2,753,800
POLK	374,500	331,500	362,400	326,900	43.8	43.9	15,874,400	14,362,500
RED LAKE	74,100	48,000	72,000	46,500	30.2	41.0	2,171,700	1,904,400
ROSEAU	153,800	158,600	147,400	155,200	34.5	35.0	5,087,900	5,433,200
NORTHWEST	1,719,400	1,530,000	1,660,200	1,498,800	38.9	41.4	64,602,000	61,980,800
BELTRAMI	5,600	7,200	5,300	6,600	23.2	29.0	122,700	191,100
HUBBARD	800	2,100	700	1,800	28.3	22.6	19,800	40,700
KOOCHICHING	2,100	3,300	1,500	3,000	31.9	25.0	47,900	75,000
LAKE OF WOODS	14,200	16,000	12,800	15,900	29.9	31.0	383,200	492,500
OTHER CNTYS	1,500	1,000	800	1,000	26.4	25.2	21,100	25,200
NORTH CENTRAL	24,200	29,600	21,100	28,300	28.2	29.1	594,700	824,500
ST. LOUIS	600	500	400	500	30.0	27.0	12,000	13,000
NORTHEAST	600	500	400	500	30.0	27.0	12,000	13,500
BIG STONE	61,100	62,000	58,400	60,100	28.2	37.0	1,647,200	2,225,300
CHIPPEWA	69,300	51,100	67,200	50,200	36.9	45.7	2,479,900	2,295,200
DOUGLAS	20,000	15,800	18,100	15,400	30.5	38.9	552,100	599,600
GRANT	90,100	75,700	81,700	75,300	32.0	42.3	2,618,400	3,182,300
LAC QUI PARLE	95,900	71,000	92,000	69,600	37.9	41.9	3,489,400	2,916,500
OTTER TAIL	105,700	59,700	96,000	58,400	33.3	38.2	3,195,400	2,228,700
POPE	30,400	25,300	28,500	24,900	35.9	41.8	1,022,100	1,041,800
STEVENS	66,200	63,200	64,200	62,500	31.0	42.9	1,989,200	2,682,200
SWIFT	65,800	53,200	62,900	50,900	34.9	39.9	2,196,300	2,030,400
TRAVERSE	129,000	103,800	120,400	101,000	26.1	39.8	3,136,700	4,019,100
WILKIN	124,200	114,600	116,600	114,200	30.1	39.8	3,514,500	4,543,000
YELLOW MED	58,900	39,600	55,500	38,300	40.9	42.9	2,268,600	1,642,000
WEST CENTRAL	916,600	735,000	861,500	720,800	32.6	40.8	28,109,800	29,406,100
BENTON	900	600	700	600	25.4	23.0	17,800	13,800
CARVER	6,500	3,900	5,900	3,800	40.9	36.9	241,500	140,300
KANDIYOHI	22,700	24,200	20,300	22,300	36.3	37.2	736,100	828,900
MC LEOD	16,900	13,800	15,000	13,300	38.5	36.5	577,400	485,700
MEEKER	7,900	12,800	6,600	11,700	35.5	37.9	234,200	443,700
MORRISON	4,500	1,200	4,200	1,100	30.5	23.7	127,900	26,100
RENVILLE	31,100	47,500	28,500	46,900	41.1	45.6	1,171,300	2,139,000
SCOTT	7,100	4,200	6,500	4,000	37.9	33.6	246,200	134,500
SHERBURNE	3,900	2,100	3,600	1,600	30.4	19.9	109,600	31,900
SIBLEY	13,300	16,500	10,900	15,600	38.9	38.0	423,600	592,900
STEARNS	9,300	9,900	9,000	9,500	32.0	33.3	287,900	316,800
TODD	3,300	2,600	2,900	2,400	29.0	25.7	84,000	61,600
WADENA	2,000	1,200	1,800	1,100	29.2	24.6	52,500	27,100
WRIGHT	3,800	3,100	3,800	2,800	34.6	25.7	131,400	72,000
CENTRAL	133,200	143,600	119,700	136,700	37.1	38.9	4,441,400	5,314,300

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
AITKIN	700	2,200	600	2,200	27.5	26.9	16,500	59,200
HENNEPIN	1,600	1,700	1,400	1,600	37.1	28.4	52,000	45,500
ISANTI	500	600	500	600	30.2	22.5	15,100	13,500
WASHINGTON	1,400	2,200	1,100	1,900	39.0	23.4	42,900	44,400
OTHER CNTYS	2,600	1,800	2,200	1,800	29.9	22.5	65,700	40,500
EAST CENTRAL	6,800	8,500	5,800	8,100	33.1	25.1	192,200	203,100
COTTONWOOD	6,100	4,400	5,900	4,300	41.7	40.9	245,900	175,800
JACKSON	2,100	1,100	2,000	1,100	39.8	34.1	79,600	37,500
LINCOLN	25,000	20,000	20,400	19,100	36.0	39.9	734,400	763,000
LYON	28,400	20,300	27,700	19,600	39.0	41.0	1,081,600	803,400
MURRAY	15,200	7,100	14,200	7,000	41.0	40.0	581,500	279,800
NOBLES	2,800	3,300	2,300	3,100	36.7	42.2	84,500	130,700
PIPESTONE	4,800	6,500	4,600	6,200	35.0	38.0	161,000	235,600
REDWOOD	13,300	15,200	11,400	14,000	38.0	40.9	433,200	573,100
ROCK	600	500	500	500	35.0	36.4	17,500	18,200
SOUTHWEST	98,300	78,400	89,000	74,900	38.4	40.3	3,419,200	3,017,100
BLUE EARTH	3,500	4,000	2,500	3,900	40.8	37.1	102,000	144,600
BROWN	7,500	4,500	6,500	4,200	37.2	36.0	241,900	151,200
FARIBAULT	1,600	1,800	1,400	1,700	40.1	39.8	56,200	67,700
LE SUEUR	10,400	10,400	8,700	9,900	41.7	36.8	362,700	364,300
NICOLLET	9,400	6,300	8,400	6,100	41.1	40.9	345,600	249,300
RICE	2,800	2,100	2,700	2,000	43.6	34.7	117,600	69,300
STEELE	6,900	1,600	6,600	1,500	41.9	37.0	276,500	55,500
WASECA	3,000	2,700	1,600	2,600	46.1	37.1	73,800	96,400
WATONWAN	1,300	1,300	1,100	1,200	36.7	36.1	40,400	43,300
OTHER CNTYS	2,200	1,300	2,100	1,200	36.6	40.9	76,900	49,100
SOUTH CENTRAL	48,600	36,000	41,600	34,300	40.7	37.6	1,693,600	1,290,700
DAKOTA	6,800	7,700	5,300	6,700	41.5	29.9	219,800	200,500
DODGE	1,100	1,300	800	1,200	39.0	36.0	31,200	43,200
FILLMORE	900	900	900	800	41.4	39.3	37,300	31,400
GOODHUE	3,700	3,600	3,200	3,200	40.3	31.4	128,800	100,400
MOWER	2,000	2,000	1,900	1,800	40.1	35.1	76,100	63,200
OLMSTED	1,200	900	1,100	900	43.2	35.6	47,500	32,000
WABASHA	700	800	600	800	41.0	33.9	24,600	27,100
WINONA	700	900	700	900	39.7	33.4	27,800	30,100
OTHER CNTYS	900	1,100	800	1,100	40.8	33.7	32,600	37,100
SOUTHEAST	17,300	18,400	14,700	16,600	40.9	32.4	601,100	537,900
MINNESOTA	2,965,000	2,580,000	2,814,000	2,519,000	36.8	40.7	103,666,000	102,588,000



SPRING WHEAT (OTHER THAN DURUM): ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
BECKER	50,600	49,100	49,800	47,900	33.0	44.0	1,643,400	2,107,600
CLAY	129,300	154,600	126,000	152,300	37.0	43.0	4,662,000	6,548,900
CLEARWATER	16,800	7,100	16,500	6,300	28.0	31.0	462,000	195,300
KITTSON	251,500	191,400	240,800	187,500	39.0	41.0	9,391,200	7,687,500
MAHNOMEN	28,600	34,300	27,300	32,800	36.0	45.0	982,800	1,476,000
MARSHALL	291,800	297,100	283,700	292,800	43.0	41.0	12,199,100	12,004,800
NORMAN	205,200	145,000	200,300	142,200	38.0	43.0	7,611,400	6,114,600
PENNINGTON	83,800	72,700	82,800	71,100	33.0	38.0	2,732,400	2,701,800
POLK	356,300	319,100	345,200	315,000	44.0	44.0	15,188,800	13,860,000
RED LAKE	70,200	45,700	68,500	44,400	30.0	41.0	2,055,000	1,820,400
ROSEAU	142,200	151,800	137,100	148,700	35.0	35.0	4,798,500	5,204,500
NORTHWEST	1,626,300	1,467,900	1,578,000	1,441,000	39.1	41.4	61,726,600	59,721,400
BELTRAMI	5,300	7,100	5,100	6,500	23.0	29.0	117,300	188,500
HUBBARD	600	1,900	600	1,600	29.0	22.0	17,400	35,200
KOOCHICHING	1,800	3,200	1,300	2,900	33.0	25.0	42,900	72,500
LAKE OF WOODS	13,800	15,500	12,600	15,400	30.0	31.0	378,000	477,400
OTHER CNTYS	1,200	700	700	700	27.1	25.7	19,000	18,000
NORTH CENTRAL	22,700	28,400	20,300	27,100	28.3	29.2	574,600	791,600
ST. LOUIS	600	500	400	500	30.0	27.0	12,000	13,500
NORTHEAST	600	500	400	500	30.0	27.0	12,000	13,500
BIG STONE	57,200	60,100	56,100	58,200	28.0	37.0	1,570,800	2,153,400
CHIPPEWA	67,500	50,100	66,000	49,200	37.0	46.0	2,442,000	2,263,200
DOUGLAS	17,600	14,500	16,500	14,100	31.0	40.0	511,500	564,000
GRANT	82,700	72,500	77,100	72,100	32.0	43.0	2,467,200	3,100,300
LAC QUI PARLE	93,600	69,700	91,000	68,700	38.0	42.0	3,458,000	2,885,400
OTTER TAIL	90,300	51,200	86,200	50,900	34.0	40.0	2,930,800	2,036,000
POPE	29,500	24,800	28,000	24,500	36.0	42.0	1,008,000	1,029,000
STEVENS	65,100	62,500	63,400	61,800	31.0	43.0	1,965,400	2,657,400
SWIFT	64,700	52,500	62,100	50,200	35.0	40.0	2,173,500	2,008,000
TRAVERSE	122,200	100,300	118,300	97,800	26.0	40.0	3,075,800	3,912,000
WILKIN	115,500	109,600	111,100	109,200	30.0	40.0	3,333,000	4,368,000
YELLOW MED	55,400	37,800	53,800	36,800	41.0	43.0	2,205,800	1,582,400
WEST CENTRAL	861,300	705,600	829,600	693,500	32.7	41.2	27,141,800	28,559,100
CARVER	4,000	2,500	3,900	2,500	45.0	40.0	175,500	100,000
KANDIYOHI	17,200	21,200	16,500	19,900	37.0	38.0	610,500	756,200
MC LEOD	12,100	11,100	11,300	11,000	38.0	36.0	429,400	396,000
MEEKER	5,000	11,200	4,600	10,300	37.0	39.0	170,200	401,700
RENVILLE	26,700	45,000	25,300	44,500	41.0	46.0	1,037,300	2,047,000
SCOTT	4,700	2,900	4,200	2,900	40.0	35.0	168,000	101,500
SHERBURNE	1,700	800	1,600	800	31.0	24.0	49,600	19,200
SIBLEY	7,400	13,200	6,800	12,500	37.0	38.0	251,600	475,000
STEARNS	5,100	7,100	4,900	6,900	37.0	35.0	181,300	241,500
TODD	1,600	1,700	1,400	1,600	30.0	25.0	42,000	40,000
WRIGHT	2,200	2,200	2,200	2,000	35.0	28.0	77,000	56,000
OTHER CNTYS	3,900	1,000	3,500	1,000	31.2	24.6	109,100	24,600
CENTRAL	91,600	119,900	86,200	115,900	38.3	40.2	3,301,500	4,658,700

SPRING WHEAT (OTHER THAN DURUM): ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
AITKIN	600	2,100	500	2,100	27.0	27.0	13,500	56,700
HENNEPIN	500	1,200	500	1,100	32.0	30.0	16,000	33,000
WASHINGTON	300	1,600	300	1,500	39.0	24.0	11,700	36,000
OTHER CNTYS	1,600	1,500	1,300	1,500	23.1	23.7	41,700	35,500
EAST CENTRAL	3,000	6,400	2,600	6,200	31.9	26.0	82,900	161,200
COTTONWOOD	5,700	4,200	5,600	4,100	42.0	41.0	235,200	168,100
LINCOLN	23,900	19,400	20,000	18,500	36.0	40.0	720,000	740,000
LYON	28,000	20,100	27,400	19,400	39.0	41.0	1,068,600	795,400
MURRAY	15,000	7,000	14,100	6,900	41.0	40.0	578,100	276,000
NOBLES	2,100	2,800	2,000	2,600	37.0	42.0	74,000	109,200
PIPESTONE	4,600	6,300	4,500	6,000	35.0	38.0	157,500	228,000
REDWOOD	11,800	14,600	11,000	13,400	38.0	41.0	418,000	549,400
OTHER CNTYS	2,400	1,400	2,400	1,400	39.0	34.6	93,500	48,400
SOUTHWEST	93,500	75,800	87,000	72,300	38.4	40.3	3,344,900	2,914,500
BLUE EARTH	2,200	3,800	2,000	3,800	40.0	37.0	80,000	140,600
BROWN	6,500	4,200	6,100	3,900	37.0	36.0	225,700	140,400
FARIBAULT	1,100	1,500	1,000	1,400	41.0	40.0	41,000	56,000
LE SUEUR	8,300	9,300	7,200	8,900	41.0	37.0	295,200	329,300
NICOLLET	8,900	5,900	8,100	5,700	41.0	41.0	332,100	233,700
RICE	2,500	1,800	2,400	1,700	44.0	36.0	105,600	61,200
STEELE	6,700	1,500	6,400	1,400	41.0	37.0	268,800	51,800
WASECA	2,700	2,500	1,400	2,400	47.0	37.0	65,800	88,800
WATONWAN	1,100	1,200	900	1,100	36.0	36.0	32,400	39,600
OTHER CNTYS	1,600	1,000	1,600	900	36.1	41.4	57,800	37,300
SOUTH CENTRAL	41,600	32,700	37,100	31,200	40.5	37.8	1,504,400	1,178,700
DAKOTA	2,200	5,100	2,100	4,600	41.0	30.0	86,100	138,000
DODGE	600	1,100	600	1,100	37.0	36.0	22,200	39,600
FILLMORE	500	600	500	600	43.0	40.0	21,500	24,000
GOODHUE	2,600	2,700	2,200	2,700	41.0	32.0	90,200	86,400
MOWER	1,700	1,600	1,600	1,600	41.0	35.0	65,600	56,000
OTHER CNTYS	1,800	1,700	1,800	1,700	42.1	33.7	75,700	57,300
SOUTHEAST	9,400	12,800	8,800	12,300	41.1	32.6	361,300	401,300
MINNESOTA	2,750,000	2,450,000	2,650,000	2,400,000	37.0	41.0	98,050,000	98,400,000

Photo courtesy of Minnesota Extension Service

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
BECKER	33,800	44,300	25,700	26,600	44.0	44.0	1,130,800	1,170,40
CLAY	9,700	8,800	6,100	5,400	71.0	65.0	433,100	351,00
CLEARWATER	11,800	6,700	9,400	4,100	61.0	46.0	573,400	188,60
KITTSON	19,000	15,000	3,800	5,200	60.0	74.0	228,000	384,80
MAHNOMEN	2,400	1,900	1,800	1,400	61.0	74.0	109,800	103,60
MARSHALL	29,900	26,300	7,500	14,500	55.0	68.0	412,500	986,00
NORMAN	7,300	7,000	3,300	3,700	67.0	67.0	221,100	247,90
PENNINGTON	15,400	15,700	12,500	9,700	53.0	64.0	662,500	620,80
POLK	11,600	6,700	5,200	3,100	63.0	66.0	327,600	204,60
RED LAKE	15,300	16,400	10,200	10,900	57.0	70.0	581,400	763,00
ROSEAU	10,100	8,600	6,600	5,000	60.0	62.0	396,000	310,00
NORTHWEST	166,300	157,400	92,100	89,600	55.1	59.5	5,076,200	5,330,70
BELTRAMI	19,600	24,400	12,500	12,600	47.0	47.0	587,500	592,20
CASS	14,000	14,200	5,400	8,500	33.0	40.0	178,200	340,00
HUBBARD	7,900	8,900	1,600	2,600	37.0	47.0	59,200	122,20
ITASCA	18,700	21,100	7,400	8,000	34.0	36.0	251,600	288,00
KOOCHICHING	10,600	13,200	2,400	6,300	41.0	33.0	98,400	207,90
LAKE OF WOODS	12,400	11,900	7,400	5,700	52.0	49.0	384,800	279,30
NORTH CENTRAL	83,200	93,700	36,700	43,700	42.5	41.9	1,559,700	1,829,60
ST.LOUIS	7,700	8,300	1,800	3,800	36.0	36.0	64,800	136,80
OTHER COUNTIES	500	600	100	100	31.0	36.0	3,100	3,60
NORTHEAST	8,200	8,900	1,900	3,900	35.7	36.0	67,900	140,40
BIG STONE	7,600	9,400	4,000	2,900	45.0	74.0	180,000	214,60
CHIPPEWA	14,100	18,300	3,200	3,800	60.0	74.0	192,000	281,20
DOUGLAS	44,500	55,300	32,300	26,600	40.0	59.0	1,292,000	1,569,40
GRANT	7,400	9,400	1,900	4,700	59.0	73.0	112,100	343,10
LAC QUI PARLE	10,900	14,200	2,200	1,600	45.0	73.0	99,000	116,80
OTTER TAIL	90,300	124,700	68,900	57,300	50.0	55.0	3,445,000	3,151,50
POPE	29,200	36,900	19,500	14,800	40.0	68.0	780,000	1,006,40
STEVENS	6,700	8,700	3,000	3,500	51.0	74.0	153,000	259,00
SWIFT	8,500	11,500	1,900	1,900	53.0	74.0	100,700	140,60
TRAVERSE	8,300	12,200	3,000	3,900	51.0	77.0	153,000	300,30
WILKIN	5,400	6,700	1,200	2,400	47.0	53.0	56,400	127,20
YELLOW MED	14,200	20,000	3,200	4,000	54.0	70.0	172,800	280,00
WEST CENTRAL	247,100	327,300	144,300	127,400	46.7	61.1	6,736,000	7,790,10
BENTON	17,800	23,700	10,100	13,000	34.0	41.0	343,400	533,00
CARVER	18,500	23,000	14,900	12,500	62.0	60.0	923,800	750,00
KANDIYOHI	29,700	42,900	16,500	15,900	59.0	64.0	973,500	1,017,60
MC LEOD	18,200	26,700	11,200	10,800	55.0	62.0	616,000	669,60
MEEKER	28,600	42,000	16,600	13,200	54.0	63.0	896,400	831,60
MORRISON	37,300	45,900	22,000	20,200	44.0	39.0	968,000	787,80
RENVILLE	9,300	12,600	3,000	3,700	64.0	66.0	192,000	244,20
SCOTT	8,700	11,300	4,300	4,700	52.0	58.0	223,600	272,60
SHERBURNE	4,600	6,100	2,600	1,600	56.0	38.0	145,600	60,80
SIBLEY	20,100	25,000	8,700	7,900	70.0	60.0	609,000	474,00
STEARNS	108,400	145,700	77,500	77,400	40.0	56.0	3,100,000	4,334,40
TODD	42,200	52,400	28,600	28,200	34.0	53.0	972,400	1,494,60
WADENA	15,100	19,600	10,900	9,500	38.0	44.0	414,200	418,00
WRIGHT	17,100	21,200	10,900	9,500	42.0	50.0	457,800	475,00
CENTRAL	375,600	498,100	237,800	228,100	45.6	54.2	10,835,700	12,363,20

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
AITKIN	4,200	5,700	2,200	2,900	43.0	45.0	94,600	130,500
ANOKA	7,700	10,400	6,000	3,200	52.0	37.0	312,000	118,400
CARLTON	11,700	15,100	4,300	9,900	40.0	29.0	172,000	287,100
CHISAGO	4,600	6,200	2,000	2,600	36.0	30.0	72,000	78,000
CROW WING	15,100	17,900	11,000	4,600	37.0	30.0	407,000	138,000
HENNEPIN	10,000	12,400	7,000	6,400	45.0	46.0	315,000	294,400
ISANTI	7,500	9,100	3,900	4,900	40.0	35.0	156,000	171,500
KANABEC	7,600	9,300	5,100	5,800	45.0	36.0	229,500	208,800
MILLE LACS	11,800	13,600	5,500	7,000	40.0	42.0	220,000	294,000
PINE	24,600	29,200	11,300	15,500	39.0	40.0	440,700	620,000
RAMSEY	800	1,000	800	500	54.0	45.0	43,200	22,500
WASHINGTON	4,600	6,100	3,200	3,200	46.0	38.0	147,200	121,600
EAST CENTRAL	110,200	136,000	62,300	66,500	41.9	37.4	2,609,200	2,484,800
COTTONWOOD	6,700	9,100	1,000	700	52.0	67.0	52,000	46,900
JACKSON	30,400	42,900	1,400	3,000	53.0	73.0	74,200	219,000
LINCOLN	19,100	28,000	8,100	8,800	47.0	70.0	380,700	616,000
LYON	36,900	52,900	11,100	9,500	57.0	71.0	632,700	674,500
MURRAY	21,400	29,500	5,100	4,500	58.0	69.0	295,800	310,500
NOBLES	23,200	33,500	6,800	6,100	45.0	73.0	306,000	445,300
PIPESTONE	26,200	34,900	12,400	11,500	58.0	70.0	719,200	805,000
REDWOOD	13,200	19,400	2,400	2,300	60.0	69.0	144,000	158,700
ROCK	14,000	20,400	4,800	3,500	46.0	77.0	220,800	269,500
SOUTHWEST	191,100	270,600	53,100	49,900	53.2	71.1	2,825,400	3,545,400
BLUE EARTH	4,100	6,000	400	500	64.0	66.0	25,600	33,000
BROWN	20,800	31,000	6,100	6,900	50.0	66.0	305,000	455,400
FARIBAULT	12,300	18,100	2,000	800	53.0	67.0	106,000	53,600
FREEBORN	38,200	56,500	9,900	7,900	60.0	61.0	593,800	481,900
LE SUEUR	5,100	7,700	1,900	1,200	62.0	63.0	117,800	75,600
MARTIN	16,400	25,000	1,700	2,200	57.0	70.0	96,900	154,000
NICOLLET	13,100	19,200	3,000	3,700	67.0	65.0	201,000	240,500
RICE	16,700	25,100	6,900	5,600	57.0	61.0	393,300	341,600
STEELE	15,000	23,400	6,300	3,800	66.0	65.0	415,800	247,000
WASECA	7,600	11,500	1,100	1,000	71.0	60.0	78,100	60,000
WATONWAN	11,100	17,300	1,000	1,900	58.0	61.0	58,000	115,900
SOUTH CENTRAL	160,400	240,800	40,300	35,500	59.3	63.6	2,391,300	2,258,500
DAKOTA	14,900	22,700	8,100	8,300	56.0	55.0	453,600	456,500
DODGE	31,800	48,100	19,000	16,800	66.0	64.0	1,254,000	1,075,200
FILLMORE	36,200	53,100	30,000	28,400	64.0	60.0	1,920,000	1,704,000
GOODHUE	40,400	58,900	27,000	21,100	62.0	66.0	1,674,000	1,392,600
HOUSTON	20,400	27,200	14,300	14,200	62.0	61.0	886,600	866,200
MOWER	30,200	45,000	15,200	9,200	63.0	62.0	957,600	570,400
OLMSTED	26,800	38,700	21,400	18,900	57.0	66.0	1,219,800	1,247,400
WABASHA	23,800	30,100	19,900	16,200	62.0	69.0	1,233,800	1,117,800
WINONA	33,400	43,400	26,600	22,300	62.0	64.0	1,649,200	1,427,200
SOUTHEAST	257,900	367,200	181,500	155,400	62.0	63.4	11,248,600	9,857,300
MINNESOTA	1,600,000	2,100,000	850,000	800,000	51.0	57.0	43,350,000	45,600,000

ALL HAY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987
	-ACRES-		-TONS-		-TONS-	
BECKER	57,900	49,900	3.0	3.1	174,900	156,400
CLAY	18,600	15,600	3.4	3.1	62,500	49,100
CLEARWATER	51,000	54,600	2.5	2.7	125,200	146,300
KITTSON	12,900	13,100	2.2	2.6	28,700	33,700
MAHNOMEN	18,200	16,900	3.4	3.8	61,800	63,700
MARSHALL	31,500	31,800	2.8	2.7	87,200	87,000
NORMAN	17,200	14,900	3.6	3.2	62,700	48,000
PENNINGTON	25,900	23,500	2.8	2.5	71,900	59,700
RED LAKE	17,500	18,600	3.5	3.1	61,700	58,000
POLK	28,300	22,100	4.1	3.5	116,000	77,400
ROSEAU	64,800	59,700	2.6	2.4	170,800	143,500
NORTHWEST	359,000	336,400	2.9	2.8	1,056,900	955,200
BELTRAMI	58,900	63,800	2.7	2.6	161,500	165,400
CASS	47,500	50,000	2.1	1.5	98,200	75,500
HUBBARD	32,300	31,400	2.1	1.7	69,400	52,000
ITASCA	48,800	46,900	2.0	1.9	95,900	90,800
KOOCHICHING	26,700	27,700	1.8	1.6	49,100	45,200
LAKE OF THE WOODS	16,100	14,100	2.3	2.2	36,500	31,400
NORTH CENTRAL	230,300	233,900	2.2	2.0	510,600	460,300
COOK	700	800	1.6	1.4	1,100	1,100
LAKE	1,800	1,900	1.5	1.5	2,700	2,800
ST.LOUIS	74,400	76,900	1.9	1.6	144,900	124,200
NORTHEAST	76,900	79,600	1.9	1.6	148,700	128,100
BIG STONE	10,200	9,200	3.8	2.8	38,900	25,500
CHIPPEWA	9,400	6,300	3.8	4.3	35,400	27,400
DOUGLAS	43,800	33,800	3.5	2.9	151,400	98,200
GRANT	9,500	8,500	4.5	3.7	42,500	31,300
LAC QUI PARLE	13,900	12,300	3.1	2.5	43,600	30,800
OTTER TAIL	171,600	164,500	3.7	2.8	630,500	455,800
POPE	28,300	25,900	3.3	2.5	93,900	63,500
STEVENS	8,500	6,200	4.2	3.7	35,900	22,800
SWIFT	14,500	13,100	3.0	3.0	43,200	38,800
TRAVERSE	6,600	5,900	4.0	3.1	26,400	18,100
WILKIN	11,400	9,700	2.8	3.1	32,100	30,400
YELLOW MEDICINE	14,000	11,700	3.6	3.9	51,000	45,600
WEST CENTRAL	341,700	307,100	3.6	2.9	1,224,800	888,200
BENTON	38,400	34,200	3.1	2.2	120,000	75,900
CARVER	30,300	26,800	4.6	4.6	139,100	122,500
KANDIYOHI	29,200	28,200	3.5	3.7	102,300	104,400
MC LEOD	24,100	21,300	4.2	4.9	101,700	103,900
MEEKER	26,300	21,700	3.7	4.1	97,400	88,000
MORRISON	86,000	84,400	3.4	2.5	295,100	207,000
RENVILLE	11,700	12,000	3.8	3.6	44,500	43,600
SCOTT	23,700	19,900	4.8	3.9	114,200	78,400
SHERBURNE	17,800	16,900	3.4	2.1	60,600	36,000
SIBLEY	23,800	22,500	4.2	4.2	100,600	95,100
STEARNS	137,200	133,000	3.8	2.9	519,500	388,000
TODD	96,400	91,500	3.2	2.5	306,800	230,500
WADENA	54,000	52,500	2.9	2.2	157,600	114,400
WRIGHT	54,700	43,900	3.9	3.2	211,600	141,400
CENTRAL	653,600	608,800	3.6	3.0	2,371,000	1,829,100

ALL HAY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87 (CONT'D)

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987
	-ACRES-		-TONS-		-TONS-	
AITKIN	71,800	72,300	2.5	1.9	176,400	140,200
ANOKA	14,200	14,400	3.1	2.9	44,500	42,400
CARLTON	56,300	57,200	2.5	2.4	142,900	135,300
CHISAGO	29,400	26,600	3.1	3.0	91,300	80,600
CROW WING	32,100	32,700	2.0	1.6	62,900	51,300
HENNEPIN	21,600	19,800	3.7	3.3	80,300	66,000
ISANTI	28,200	24,400	4.1	2.2	114,600	54,000
KANABEC	51,100	44,900	3.0	2.0	155,400	91,700
MILLE LACS	43,400	38,100	3.0	2.0	131,700	76,700
PINE	89,900	84,300	2.4	1.9	215,200	158,700
RAMSEY	1,300	1,300	3.2	2.4	4,100	3,100
WASHINGTON	21,600	21,300	3.9	3.3	84,100	70,700
EAST CENTRAL	460,900	437,300	2.8	2.2	1,303,400	970,700
COTTONWOOD	11,000	8,200	4.3	4.0	47,100	32,700
JACKSON	7,500	6,700	3.9	3.1	29,300	21,000
LINCOLN	25,200	23,600	3.7	3.7	94,400	87,900
LYON	20,200	19,000	3.8	4.2	76,200	80,100
MURRAY	18,800	17,300	4.4	3.8	83,100	65,900
NOBLES	15,000	12,500	3.8	3.4	56,900	43,100
PIPESTONE	20,300	17,300	3.9	3.4	80,100	59,100
REDWOOD	12,400	11,000	4.1	3.9	50,700	42,600
ROCK	15,500	13,200	3.3	3.5	51,700	46,400
SOUTHWEST	145,900	128,800	3.9	3.7	569,500	478,800
BLUE EARTH	6,600	6,400	4.5	4.1	30,000	26,100
BROWN	15,600	13,000	4.9	4.5	76,500	58,500
FARIBAULT	6,000	6,100	4.3	4.1	25,700	25,000
FREEBORN	11,800	10,200	4.3	4.6	50,400	47,100
LE SUEUR	15,600	14,700	4.6	4.3	71,400	62,600
MARTIN	9,400	8,900	4.7	4.1	44,200	36,700
NICOLLET	11,500	8,500	3.8	4.4	43,200	37,200
RICE	27,000	23,600	5.0	4.7	134,400	112,000
STEELE	12,200	10,400	4.2	4.5	51,300	47,200
WASECA	9,000	8,100	4.5	3.8	40,100	31,000
WATONWAN	5,500	4,500	4.4	4.0	24,100	17,800
SOUTH CENTRAL	130,200	114,400	4.5	4.4	591,300	501,200
DAKOTA	22,500	19,300	3.8	3.6	85,300	69,100
DODGE	23,900	17,700	4.2	4.7	101,300	83,800
FILLMORE	81,100	60,500	4.0	4.2	327,100	257,100
GOODHUE	68,400	62,400	4.8	4.0	325,800	249,600
HOUSTON	53,900	42,800	3.9	4.5	212,400	191,000
MOWER	20,300	19,800	4.3	3.4	87,400	67,200
OLMSTED	54,900	48,200	4.2	4.1	231,300	196,900
WABASHA	58,500	46,500	4.3	4.3	248,700	201,600
WINONA	68,000	61,500	4.1	4.4	279,500	272,100
SOUTHEAST	451,500	378,700	4.2	4.2	1,898,800	1,588,400
MINNESOTA	2,850,000	2,625,000	3.4	3.0	9,675,000	7,800,000

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987
	-ACRES-		-TONS-		-TONS-	
BECKER	44,500	36,100	3.4	3.6	149,700	130,000
CLAY	14,700	11,900	3.8	3.4	55,900	40,500
CLEARWATER	38,000	41,300	2.7	2.9	103,100	119,800
KITTSON	9,200	9,400	2.4	2.8	22,300	26,300
MAHNOMEN	16,700	15,300	3.5	3.9	58,600	59,700
MARSHALL	24,200	24,400	3.0	3.1	71,900	75,600
NORMAN	13,900	11,400	4.1	3.6	57,000	41,000
PENNINGTON	19,500	17,000	3.1	2.8	60,900	47,600
RED LAKE	12,000	13,000	4.0	3.6	48,000	46,800
POLK	28,300	22,100	4.1	3.5	116,000	77,400
ROSEAU	44,400	38,400	2.9	2.6	130,500	99,800
NORTHWEST	265,400	240,300	3.3	3.2	873,900	764,500
BELTRAMI	39,700	44,400	3.2	3.0	128,400	133,200
CASS	12,200	13,900	3.0	2.3	36,300	32,000
HUBBARD	13,500	13,000	2.5	2.0	34,000	26,000
ITASCA	12,300	8,500	3.1	3.1	38,100	26,400
KOOCHICHING	9,000	9,000	2.1	1.9	18,900	17,100
LAKE OF THE WOODS	10,600	8,500	2.5	2.7	27,000	23,000
NORTH CENTRAL	97,300	97,300	2.9	2.6	282,700	257,700
NORTHEAST	7,800	8,100	2.3	2.0	18,000	16,300
BIG STONE	7,900	6,800	4.4	3.2	34,400	21,800
CHIPPEWA	8,200	5,100	3.9	4.6	31,800	23,500
DOUGLAS	36,900	26,600	3.5	3.1	130,700	82,500
GRANT	7,900	6,800	4.9	4.1	38,900	27,900
LAC QUI PARLE	9,900	8,500	3.8	2.9	37,600	24,700
OTTER TAIL	136,600	128,400	4.0	3.0	546,500	385,200
POPE	23,400	21,100	3.6	2.6	83,200	54,900
STEVENS	7,600	5,300	4.4	3.9	33,500	20,700
SWIFT	9,900	8,500	3.7	3.9	36,700	33,200
TRAVERSE	5,900	5,100	4.1	3.2	24,200	16,300
WILKIN	6,700	5,100	3.7	4.2	24,600	21,400
YELLOW MEDICINE	9,200	6,800	3.6	3.9	33,100	26,500
WEST CENTRAL	270,100	234,100	3.9	3.2	1,055,200	738,600
BENTON	23,200	18,700	3.5	2.5	80,300	46,800
CARVER	26,000	22,100	4.9	4.8	126,400	106,100
KANDIYOHI	25,300	24,000	3.6	4.0	91,100	96,000
MC LEOD	19,900	16,700	4.7	5.5	93,400	91,900
MEEKER	21,900	17,000	3.9	4.4	86,100	74,800
MORRISON	50,500	47,600	4.2	2.6	211,800	123,800
RENVILLE	9,600	9,800	4.1	4.0	39,400	39,200
SCOTT	20,700	17,000	4.9	4.1	101,800	69,700
SHERBURNE	13,800	12,800	3.7	2.3	50,600	29,400
SIBLEY	20,000	18,600	4.7	4.5	94,000	83,700
STEARNS	111,600	107,100	3.9	3.0	435,700	318,600
TODD	72,400	66,300	3.5	2.8	250,700	185,600
WADENA	27,800	25,500	3.4	2.6	93,200	66,300
WRIGHT	46,600	35,500	4.0	3.5	184,700	124,300
CENTRAL	489,300	438,700	4.0	3.3	1,939,200	1,456,200

(Continued after color insert)

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87 (CONT'D)

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987
	-ACRES-		-TONS-		-TONS-	
AITKIN	10,500	9,000	3.3	3.0	34,500	27,000
ANOKA	10,100	10,200	3.3	3.4	33,700	34,700
CARLTON	15,300	14,600	3.0	2.5	46,200	36,500
CHISAGO	21,000	18,300	3.4	3.6	71,500	65,900
CROW WING	10,800	10,400	2.7	2.4	29,000	25,000
HENNEPIN	18,800	17,000	3.8	3.5	71,400	59,500
ISANTI	21,000	17,000	4.5	2.5	94,400	42,500
KANABEC	26,000	18,900	3.6	2.8	93,400	52,900
MILLE LACS	21,700	15,800	3.7	2.4	79,800	37,900
PINE	32,200	25,100	2.8	2.8	90,700	70,300
RAMSEY	1,000	1,000	3.4	2.5	3,400	2,500
WASHINGTON	18,800	18,500	4.2	3.5	78,400	64,800
EAST CENTRAL	207,200	175,800	3.5	3.0	726,400	519,500
COTTONWOOD	9,900	7,100	4.5	4.3	44,600	30,500
JACKSON	5,700	4,800	4.1	3.3	23,500	15,800
LINCOLN	20,400	19,000	4.1	4.0	84,200	76,000
LYON	14,900	13,600	4.3	4.9	64,400	66,600
MURRAY	16,600	15,100	4.5	4.1	75,300	61,900
NOBLES	12,300	9,700	4.0	3.9	48,700	37,800
PIPESTONE	15,500	12,400	4.3	4.2	66,800	52,100
REDWOOD	10,100	8,500	4.3	4.4	43,400	37,400
ROCK	11,900	9,500	3.8	4.1	45,000	39,000
SOUTHWEST	117,300	99,700	4.2	4.2	495,900	417,100
BLUE EARTH	5,500	5,300	4.9	4.4	26,700	23,300
BROWN	14,500	11,900	5.1	4.7	74,400	55,900
FARIBAULT	4,600	4,800	4.6	4.5	21,200	21,600
FREEBORN	10,200	8,500	4.4	5.0	44,500	42,500
LE SUEUR	13,400	12,400	5.0	4.5	66,400	55,800
MARTIN	7,300	6,900	5.0	4.6	36,400	31,700
NICOLLET	10,200	7,200	4.0	4.8	41,000	34,600
RICE	24,300	20,700	5.1	5.0	123,600	103,500
STEELE	10,800	8,900	4.5	4.8	48,800	42,700
WASECA	7,900	7,000	4.6	4.0	36,600	28,000
WATONWAN	4,300	3,400	5.0	4.8	21,700	16,300
SOUTH CENTRAL	113,000	97,000	4.8	4.7	541,300	455,900
DAKOTA	18,200	14,900	4.3	3.7	78,200	55,100
DODGE	21,000	14,700	4.4	5.0	92,000	73,500
FILLMORE	68,600	47,600	4.1	4.4	284,300	209,400
GOODHUE	61,900	56,000	4.8	4.0	297,100	224,000
HOUSTON	46,200	35,000	4.2	4.9	193,400	171,500
MOWER	17,500	17,000	4.5	3.6	79,600	61,200
OLMSTED	44,900	38,000	4.4	4.0	195,900	152,000
WABASHA	51,300	39,100	4.4	4.4	226,400	172,000
WINONA	53,000	46,700	4.3	4.4	225,500	205,500
SOUTHEAST	382,600	309,000	4.4	4.3	1,672,400	1,324,200
MINNESOTA	1,950,000	1,700,000	3.9	3.5	7,605,000	5,950,000

BARLEY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
BECKER	41,500	45,700	39,000	34,600	54.0	56.0	2,106,000	1,937,600
CLAY	79,700	75,700	64,800	56,700	60.0	60.0	3,888,000	3,402,000
CLEARWATER	4,800	5,500	4,400	4,500	41.0	44.0	180,400	198,000
KITTSON	85,500	82,900	70,200	52,500	60.0	62.0	4,212,000	3,255,000
MAHNOMEN	61,500	63,800	52,600	51,800	58.0	57.0	3,050,800	2,952,600
MARSHALL	157,400	149,500	127,700	109,800	62.0	58.0	7,917,400	6,368,400
NORMAN	125,900	124,600	58,000	85,600	54.0	54.0	3,132,000	4,622,400
PENNINGTON	55,600	48,100	53,900	35,600	54.0	56.0	2,910,600	1,993,600
POLK	211,600	220,600	170,800	147,600	64.0	60.0	10,931,200	8,856,000
RED LAKE	41,000	40,000	39,000	30,000	50.0	57.0	1,950,000	1,710,000
ROSEAU	79,200	83,200	77,200	66,000	50.0	51.0	3,860,000	3,366,000
NORTHWEST	943,700	939,600	757,600	674,700	58.3	57.3	44,138,400	38,661,600
BELTRAMI	2,700	3,700	2,700	2,200	40.0	29.0	108,000	63,800
HUBBARD	3,000	2,900	3,000	1,800	45.0	26.0	135,000	46,800
KOOCHICHING	1,300	1,900	800	1,100	43.0	35.0	34,400	38,500
LAKE OF THE WOODS	5,400	6,500	5,400	4,600	50.0	45.0	270,000	207,000
OTHER COUNTIES	600	600	400	400	37.5	27.5	15,000	11,000
NORTH CENTRAL	13,000	15,600	12,300	10,100	45.7	36.3	562,400	367,100
NORTHEAST	700	700	500	400	37.0	24.0	18,500	9,600
BIG STONE	9,700	8,300	9,700	6,900	48.0	61.0	465,600	420,900
CHIPPEWA	1,000	1,000	1,000	600	58.0	65.0	58,000	39,000
DOUGLAS	7,200	5,800	7,200	4,400	37.0	49.0	266,400	215,600
GRANT	32,400	34,600	32,300	29,000	46.0	58.0	1,485,800	1,682,000
LAC QUI PARLE	700	500	700	400	63.0	54.0	44,100	21,600
OTTER TAIL	39,800	38,800	39,400	29,100	49.0	50.0	1,930,600	1,455,000
POPE	3,800	4,600	3,800	3,300	38.0	56.0	144,400	184,800
STEVENS	16,800	17,600	16,800	12,600	41.0	63.0	688,800	793,800
SWIFT	2,400	1,900	2,400	1,000	44.0	58.0	105,600	58,000
TRAVERSE	29,400	30,800	27,900	22,500	35.0	63.0	976,500	1,417,500
WILKIN	75,200	77,900	66,500	58,400	47.0	60.0	3,125,500	3,504,000
YELLOW MEDICINE	900	600	900	400	61.0	63.0	54,900	25,200
WEST CENTRAL	219,300	222,400	208,600	168,600	44.8	58.2	9,346,200	9,817,400
BENTON	1,200	600	1,000	400	35.0	35.0	35,000	14,000
MORRISON	900	1,000	800	700	39.0	24.0	31,200	16,800
STEARNS	3,800	4,700	3,700	3,700	37.0	50.0	136,800	185,000
TODD	3,000	4,000	2,800	2,600	34.0	40.0	95,200	104,000
WADENA	1,200	1,500	1,200	1,000	37.0	25.0	44,500	25,000
OTHER COUNTIES	2,000	1,200	1,700	1,200	54.8	49.0	93,200	49,000
CENTRAL	12,100	13,000	11,200	9,400	38.9	41.9	435,900	393,800
EAST CENTRAL	2,600	1,900	2,100	1,300	36.8	33.8	77,200	44,000
LINCOLN	700	800	600	700	53.0	57.0	31,800	39,900
LYON	600	600	600	400	46.0	55.0	27,600	22,000
OTHER COUNTIES	900	900	800	900	52.3	53.8	41,800	48,400
SOUTHWEST	2,200	2,300	2,000	2,000	50.6	55.2	101,200	110,300
SOUTH CENTRAL	1,400	800	1,300	800	55.2	53.4	71,700	42,700
GOODHUE	1,200	1,300	1,100	900	62.0	51.0	68,200	45,900
WABASHA	800	600	800	400	55.0	53.0	44,000	21,200
OTHER COUNTIES	3,000	1,800	2,500	1,400	44.9	47.9	112,200	76,400
SOUTHEAST	5,000	3,700	4,400	2,700	56.5	53.1	248,500	143,500
MINNESOTA	1,200,000	1,200,000	1,000,000	870,000	55.0	57.0	55,000,000	49,590,000

FLAX: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
KITTSON	3,400	1,700	3,400	1,700	24.0	24.0	81,600	40,800
MAHNOMEN	2,100	900	2,100	800	15.0	16.0	31,500	12,800
MARSHALL	7,000	2,800	6,300	2,300	23.0	16.0	142,600	36,800
PENNINGTON	3,000	1,100	2,900	1,000	11.0	13.0	31,900	13,000
POLK	3,500	700	3,500	600	17.0	17.0	59,500	10,200
ROSEAU	6,200	3,400	6,100	3,300	10.0	16.0	67,100	52,800
OTH. COUNTIES	4,300	1,700	4,300	1,600	12.1	13.5	52,200	21,600
NORTHWEST	29,500	12,300	28,600	11,300	16.3	16.6	466,400	188,000
NORTH CENTRAL	2,000	1,300	1,900	1,300	10.0	10.9	19,000	14,200
WEST CENTRAL	2,400	800	2,400	800	14.8	12.3	35,600	9,800
SOUTHWEST	1,100	600	1,100	600	20.9	20.0	23,000	12,000
MINNESOTA	35,000	15,000	34,000	14,000	16.0	16.0	544,000	224,000

Photo courtesy of Minnesota Extension Service

RYE: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
BECKER	1,000	800	600	700	37.0	35.0	22,200	24,50
CLAY	1,400	1,100	900	800	39.0	34.0	35,100	27,20
KITTSON	900	700	600	500	29.0	40.0	17,400	20,00
MAHNOMEN	1,000	800	600	700	30.0	35.0	18,000	24,50
MARSHALL	1,900	1,400	800	800	31.0	35.0	24,800	28,00
NORMAN	900	700	400	400	30.0	35.0	12,000	14,00
POLK	1,500	1,100	900	800	32.0	34.0	28,800	27,20
ROSEAU	1,500	1,100	900	900	30.0	42.0	27,000	37,80
OTH. COUNTIES	1,500	1,100	900	800	30.9	32.3	27,800	25,80
NORTHWEST	11,600	8,800	6,600	6,400	32.3	35.8	213,100	229,00
NORTH CENTRAL	1,800	1,300	1,100	700	27.1	29.3	29,800	20,50
NORTHEAST	100	100	100	0	30.0	0.0	3,000	
BIG STONE	4,500	3,400	1,700	1,500	37.0	31.0	62,900	46,50
DOUGLAS	3,700	2,800	2,100	1,400	32.0	35.0	67,200	49,00
GRANT	1,600	1,200	1,000	800	26.0	34.0	26,000	27,20
LAC QUI PARLE	1,300	1,000	600	500	30.0	32.0	18,000	16,00
OTTER TAIL	6,300	4,400	3,900	2,900	35.0	27.0	136,500	78,30
POPE	2,000	1,500	300	300	34.0	32.0	10,200	9,60
STEVENS	1,700	1,300	700	900	33.0	33.0	23,100	29,70
SWIFT	3,100	2,300	900	500	35.0	32.0	31,500	16,00
TRAVERSE	3,200	2,400	1,000	800	37.0	34.0	37,000	27,20
WILKIN	1,100	800	700	500	38.0	36.0	26,600	18,00
OTH. COUNTIES	1,200	900	600	300	34.5	31.3	20,700	9,40
WEST CENTRAL	29,700	22,000	13,500	10,400	34.1	31.4	459,700	326,90
BENTON	3,300	2,500	2,100	1,600	32.0	26.0	67,200	41,60
KANDIYOHI	1,300	1,000	900	500	30.0	33.0	27,000	16,50
MC LEOD	900	700	200	400	28.0	29.0	5,600	11,60
MEEKER	1,700	1,300	800	900	32.0	30.0	25,600	27,00
MORRISON	2,800	2,100	1,300	1,400	32.0	30.0	41,600	42,00
SCOTT	1,500	1,100	800	800	34.0	34.0	27,200	27,20
SHERBURNE	12,800	9,600	7,900	5,500	31.0	25.0	244,900	137,50
STEARNS	4,100	3,100	2,300	1,700	36.0	28.0	82,800	47,60
TODD	1,500	1,100	400	300	34.0	29.0	13,600	8,70
WRIGHT	2,100	1,600	1,400	1,100	34.0	28.0	47,600	30,80
OTH. COUNTIES	1,900	1,400	1,000	800	32.9	29.1	32,900	23,30
CENTRAL	33,900	25,500	19,100	15,000	32.3	27.6	616,000	413,80
AITKIN	1,200	900	600	500	35.0	30.0	21,000	15,00
ANOKA	3,000	2,200	1,800	1,400	29.0	29.0	52,200	40,60
CHISAGO	3,800	2,900	2,300	1,800	25.0	27.0	57,500	48,60
HENNEPIN	800	600	200	400	30.0	26.0	6,000	10,40
ISANTI	5,300	4,000	2,200	1,700	29.0	27.0	63,800	45,90
OTH. COUNTIES	2,900	2,200	1,500	1,100	30.0	27.4	45,000	30,10
EAST CENTRAL	17,000	12,800	8,600	6,900	28.5	27.6	245,500	190,60
SOUTHWEST	1,700	1,400	800	500	32.9	31.2	26,300	15,60
SOUTH CENTRAL	3,000	2,100	0	0	0.0	0.0	0	
SOUTHEAST	1,200	1,000	200	100	33.0	36.0	6,600	3,60
MINNESOTA	100,000	75,000	50,000	40,000	32.0	30.0	1,600,000	1,200,00

POTATOES: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-CWT-		-CWT-	
CLAY	6,500	5,900	6,200	5,800	145.0	185.0	899,000	1,073,000
KITTSON	4,500	4,400	4,200	4,300	120.0	160.0	504,000	688,000
MARSHALL	10,500	10,900	10,000	10,800	130.0	165.0	1,300,000	1,782,000
NORMAN	1,300	1,400	1,300	1,300	130.0	160.0	169,000	208,000
POLK	24,100	24,300	23,900	24,100	170.0	185.0	4,063,000	4,458,500
LAKE OF THE WOODS	700	800	700	800	150.0	155.0	105,000	124,000
WILKIN	800	900	700	800	130.0	145.0	91,000	116,000
SHERBURNE	5,200	4,900	5,200	4,800	245.0	305.0	1,274,000	1,462,000
ANOKA	700	700	600	700	175.0	300.0	105,000	210,000
HENNEPIN	700	400	700	400	250.0	295.0	175,000	118,000
FREEBORN	3,500	3,200	3,300	3,100	210.0	255.0	693,000	790,500
ALL OTHER COUNTIES	19,800	20,700	19,400	20,500	305.0	352.0	5,915,000	7,220,000
MINNESOTA	78,300	78,500	76,200	77,400	201.0	236.0	15,293,000	18,250,000

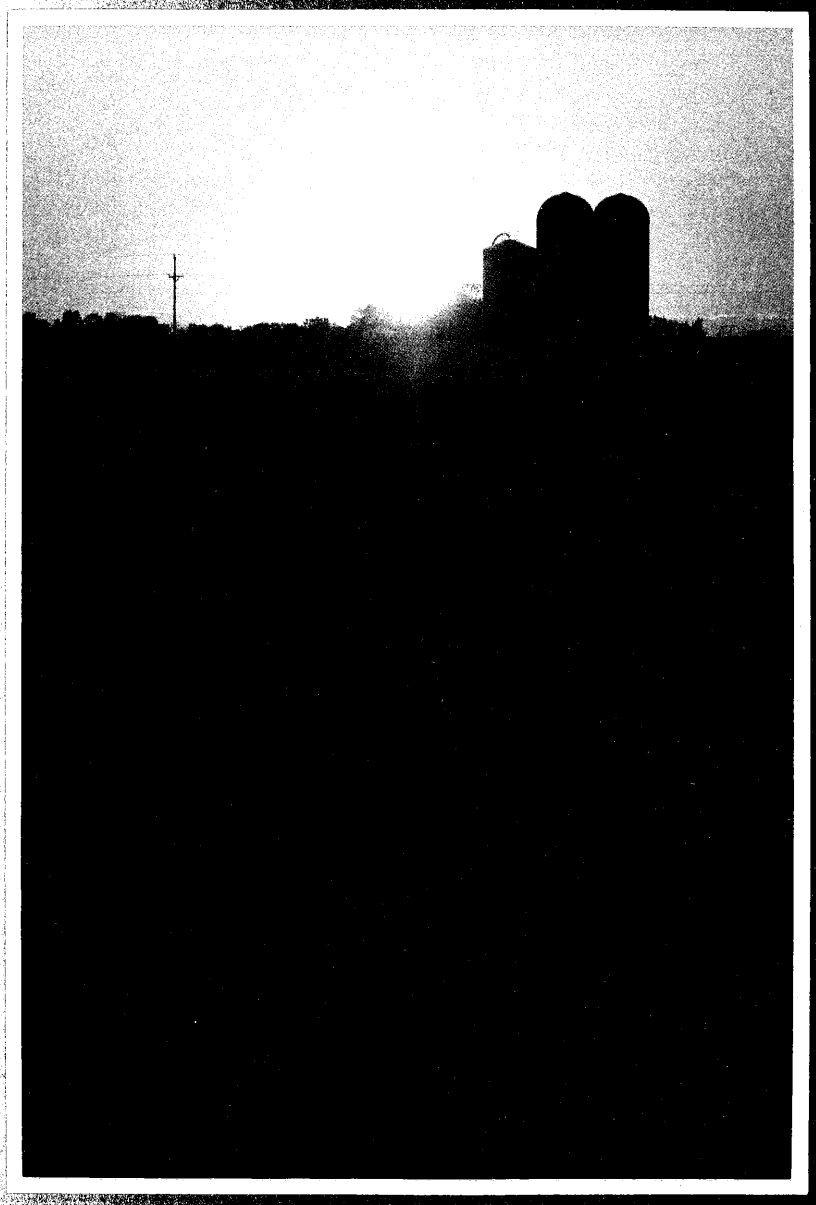
SUGARBEETS: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, MINNESOTA 1986-87

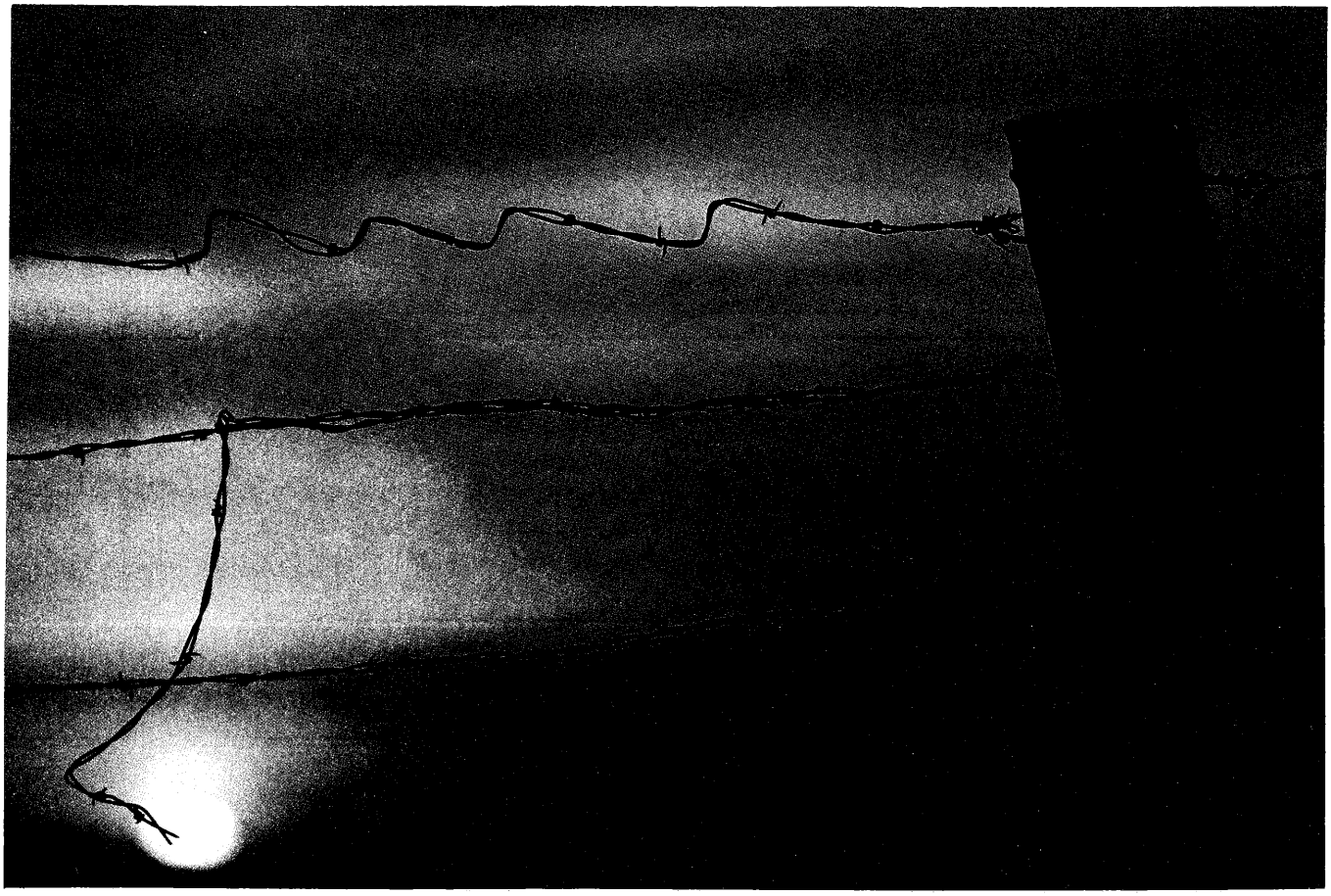
DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	ACRES		ACRES		TONS		TONS	
CLAY	49,200	49,000	47,900	49,000	18.0	19.7	864,000	963,100
KITTSON	17,200	17,600	17,200	17,600	14.7	17.0	253,700	299,200
MARSHALL	20,700	21,500	20,700	21,500	16.7	17.4	346,000	374,400
NORMAN	28,000	27,900	27,600	27,300	17.1	20.2	473,000	551,000
POLK	88,900	89,500	88,800	89,500	18.1	19.7	1,603,700	1,764,900
CHIPPEWA	22,200	22,900	21,700	22,900	15.4	23.1	333,400	529,800
GRANT	9,100	7,500	8,800	7,400	14.9	20.0	130,900	147,700
OTTER TAIL	1,900	900	1,900	900	13.3	19.3	25,200	17,400
STEVENS	800	700	700	700	19.6	20.0	13,700	14,000
SWIFT	4,700	4,500	4,500	4,500	12.2	18.7	54,800	84,200
TRAVERSE	4,800	4,900	4,700	4,900	14.0	18.8	65,700	92,300
WILKIN	27,700	25,100	27,400	25,000	15.6	19.1	427,600	478,500
YELLOW MEDICINE	1,800	1,600	1,600	1,600	16.4	18.3	26,200	29,200
KANDIYOHI	5,200	5,400	5,100	5,400	15.1	23.4	77,200	126,300
MEEKER	2,100	900	2,100	900	15.0	23.8	31,400	21,400
RENVILLE	26,100	27,400	25,800	27,300	15.6	23.3	401,200	635,300
SIBLEY	1,100	1,200	1,100	1,200	14.8	19.2	16,300	23,000
REDWOOD	2,500	1,300	2,400	1,200	14.0	19.6	33,600	23,500
ALL OTHER COUNTIES	1,000	1,200	1,000	1,200	16.4	20.7	16,400	24,800
MINNESOTA	315,000	311,000	311,000	310,000	16.7	20.0	5,194,000	6,200,000

DRY EDIBLE BEANS: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-POUNDS-		-CWT-	
BECKER	1,100	1,500	1,100	1,500	1,420	1,400	15,600	21,000
CLAY	2,000	2,000	1,800	1,900	1,540	1,600	27,700	30,400
KITTSON	500	600	500	600	1,500	1,000	7,500	6,000
MARSHALL	9,700	9,700	9,300	9,500	1,660	1,400	154,400	133,000
NORMAN	1,000	1,200	900	1,100	1,410	1,500	12,700	16,500
PENNINGTON	300	500	300	500	1,330	1,400	4,000	7,000
POLK	14,100	13,900	13,600	13,600	1,750	1,450	237,700	197,225
OTHER COUNTIES	200	300	200	300	1,500	1,367	3,000	4,100
NORTHWEST	28,900	29,700	27,700	29,000	1,670	1,432	462,600	415,225
HUBBARD	4,300	4,100	4,100	4,100	1,860	1,650	76,300	67,650
OTHER COUNTIES	500	300	500	300	1,300	1,100	6,500	3,300
NORTH CENTRAL	4,800	4,400	4,600	4,400	1,800	1,612	82,800	70,950
BIG STONE	300	500	300	500	1,900	1,100	5,700	5,500
CHIPPEWA	500	1,800	500	1,800	1,720	2,300	8,600	41,400
DOUGLAS	400	500	300	500	1,400	1,650	4,200	8,250
GRANT	2,500	2,700	2,100	2,700	1,500	1,600	31,500	43,200
LAC QUI PARLE	500	600	500	600	1,700	1,600	8,500	9,600
OTTER TAIL	6,800	6,600	6,300	6,400	1,490	1,800	93,900	115,200
POPE	700	800	600	800	1,800	1,700	10,800	13,600
STEVENS	1,100	1,700	1,100	1,700	1,890	2,000	20,800	34,000
SWIFT	2,600	3,800	2,400	3,700	1,780	1,450	42,700	53,650
TRAVERSE	1,700	2,100	1,500	2,100	1,340	1,400	20,100	29,400
WILKIN	700	900	700	900	1,300	1,100	9,100	9,900
YELLOW MED.	1,100	1,200	1,000	1,200	1,620	1,800	16,200	21,600
WEST CENTRAL	18,900	23,200	17,300	22,900	1,573	1,683	272,100	385,300
BENTON	1,600	1,200	1,500	1,200	1,720	2,000	25,800	24,000
KANDIYOHI	800	1,500	800	1,500	1,650	1,700	13,200	25,500
MC LEOD	0	500	0	500	0	1,700	0	8,500
MEEKER	200	500	200	500	1,950	1,450	3,900	7,250
MORRISON	900	900	800	900	1,700	1,500	13,600	13,500
RENVILLE	4,100	4,400	3,900	4,400	1,600	2,000	62,400	88,000
STEARNS	600	900	600	900	1,650	1,500	9,900	13,500
TODD	500	700	400	700	1,700	1,650	6,800	11,550
WADENA	900	700	700	700	1,630	1,325	11,400	9,275
OTHER COUNTIES	500	700	500	700	1,760	1,614	8,800	11,300
CENTRAL	10,100	12,000	9,400	12,000	1,657	1,770	155,800	212,375
EAST CENTRAL	100	100	100	100	1,100	1,300	1,100	1,300
NOBLES	0	1,700	0	1,700	0	2,000	0	34,000
REDWOOD	500	700	400	700	2,300	2,100	9,200	14,700
OTHER COUNTIES	700	1,500	600	1,500	1,733	1,506	10,400	22,600
SOUTHWEST	1,200	3,900	1,000	3,900	1,960	1,828	19,600	71,300
SOUTH CENTRAL	400	1,100	400	1,100	1,600	1,741	6,400	19,150
SOUTHEAST	600	600	500	600	1,320	1,400	6,600	8,400
MINNESOTA	65,000	75,000	61,000	74,000	1,650	1,600	1,007,000	1,184,000

Minnesota Outline

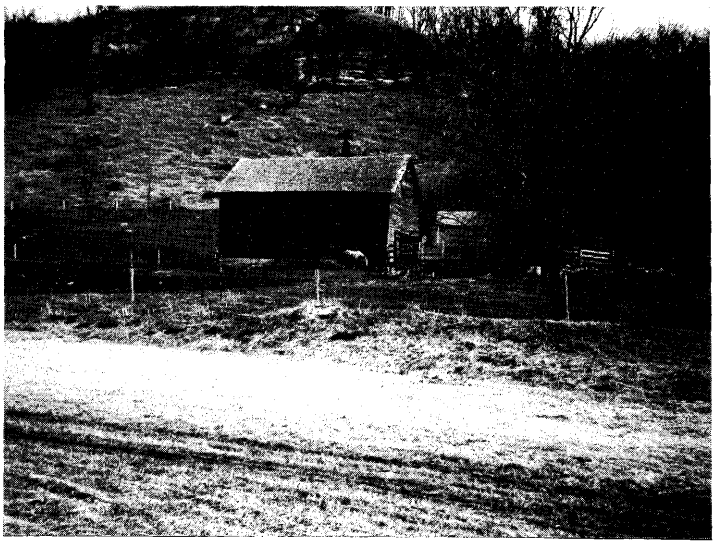




ALL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87 1/

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-POUNDS-		-POUNDS-	
KITTSON	8,500	4,500	7,800	4,300	1,497	1,767	11,680,000	7,600,000
MAHNOMEN	2,000	600	2,000	600	1,500	1,300	3,000,000	780,000
MARSHALL	23,400	13,900	22,900	13,700	1,617	1,589	37,030,000	21,770,000
NORMAN	13,800	8,300	13,500	7,900	1,581	1,073	21,350,000	8,475,000
PENNINGTON	22,200	19,800	21,700	19,500	1,289	1,361	27,965,000	26,545,000
POLK	35,200	16,700	34,400	16,200	1,650	1,556	56,760,000	25,205,000
RED LAKE	15,600	10,100	15,300	9,900	1,415	1,464	21,645,000	14,490,000
ROSEAU	13,500	8,500	12,700	8,400	1,317	1,550	16,730,000	13,020,000
OTHER COUNTIES	15,400	6,100	14,400	6,000	1,574	1,377	22,660,000	8,265,000
NORTHWEST	149,600	88,500	144,700	86,500	1,512	1,458	218,820,000	126,150,000
NORTH CENTRAL	1,400	600	1,400	600	1,236	1,275	1,730,000	765,000
WEST CENTRAL	2,900	700	2,900	700	1,493	1,214	4,330,000	850,000
OTHER DISTRICTS	1,100	200	1,000	200	1,320	1,425	1,320,000	285,000
MINNESOTA	155,000	90,000	150,000	88,000	1,508	1,455	226,200,000	128,050,000

1/ County estimates for oil and non-oil sunflowers are available on request.



SWEET CORN FOR PROCESSING: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-TONS-		-TONS-	
POPE	1,100	900	1,100	700	6.0	6.3	6,600	4,410
SWIFT	1,000	800	1,000	600	6.0	6.5	6,000	3,900
OTHER COUNTIES	1,100	800	1,100	700	6.0	6.4	6,600	4,470
WEST CENTRAL	3,200	2,500	3,200	2,000	6.0	6.4	19,200	12,780
KANDIYOHI	3,300	3,200	3,300	2,800	6.5	6.6	21,330	18,480
MC LEOD	6,000	5,500	6,000	4,700	6.0	6.5	36,180	30,550
MEEKER	3,300	2,900	3,300	2,400	5.6	6.3	18,520	15,120
RENVILLE	12,800	14,700	12,300	12,600	6.1	6.8	75,480	85,680
SHERBURNE	2,000	2,100	2,000	1,800	6.6	6.5	13,240	11,700
SIBLEY	6,600	7,300	6,500	6,400	6.3	6.6	41,240	42,240
STEARNS	1,700	1,700	1,700	1,500	6.8	6.3	11,510	9,450
WRIGHT	1,300	1,400	1,300	1,100	5.7	6.5	7,380	7,150
OTHER COUNTIES	400	400	400	400	6.4	6.6	2,570	2,650
CENTRAL	37,400	39,200	36,800	33,700	6.2	6.6	227,450	223,020
EAST CENTRAL	200	100	200	100	5.2	6.3	1,040	630
REDWOOD	4,400	4,600	4,300	3,900	6.0	6.5	25,760	25,350
OTHER COUNTIES	100	100	100	100	6.0	6.3	600	630
SOUTHWEST	4,500	4,700	4,400	4,000	6.0	6.5	26,360	25,980
BLUE EARTH	3,200	3,800	3,100	3,000	5.3	6.4	16,370	19,200
BROWN	4,300	4,900	4,200	4,100	6.4	6.6	26,940	27,060
FARIBAULT	11,000	11,300	10,900	9,800	5.6	6.3	61,440	61,740
FREEBORN	2,500	2,500	2,500	2,200	6.2	6.7	15,580	14,740
LE SUEUR	2,200	2,500	2,200	2,200	6.5	6.8	14,260	14,960
MARTIN	3,900	4,400	3,900	3,900	6.0	6.2	23,210	24,180
NICOLLET	2,600	2,400	2,600	2,100	6.4	6.3	16,530	13,230
RICE	700	700	700	600	6.5	6.7	4,550	4,020
STEELE	2,200	2,300	2,200	2,000	5.4	6.5	11,920	13,000
WASECA	3,400	4,100	3,300	3,500	6.5	6.7	21,460	23,450
WATONWAN	2,000	2,100	2,000	1,800	5.7	6.3	11,460	11,340
SOUTH CENTRAL	38,000	41,000	37,600	35,200	6.0	6.5	223,720	226,920
DAKOTA	5,100	5,300	5,000	4,400	6.4	6.2	31,920	27,280
DODGE	13,000	13,500	12,900	11,900	5.1	6.4	65,790	76,160
GOODHUE	9,500	10,200	9,400	8,800	6.1	6.7	57,310	58,960
MOWER	5,400	5,400	5,400	4,700	5.5	6.3	29,880	29,610
OLMSTED	4,000	3,900	3,500	3,400	5.8	6.4	20,150	21,760
WABASHA	4,300	4,000	4,300	3,200	6.4	6.6	27,410	21,120
OTHER COUNTIES	800	800	800	800	5.8	6.4	4,600	5,080
SOUTHEAST	42,100	43,100	41,300	37,200	5.7	6.5	237,060	239,970
MINNESOTA	125,400	130,600	123,500	112,200	6.0	6.5	734,830	729,300

GREEN PEAS FOR PROCESSING: ACREAGE, YIELD, AND PRODUCTION BY MAJOR DISTRICTS AND COUNTIES, MINNESOTA 1986-87

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1986	1987	1986	1987	1986	1987	1986	1987
	-ACRES-		-ACRES-		-TONS-		-TONS-	
KANDIYOHI	1,200	1,300	1,100	1,200	0.9	1.3	1,030	1,600
MC LEOD	3,400	3,800	3,300	3,600	1.1	1.4	3,840	5,030
MEEKER	2,900	3,000	2,800	2,900	1.2	1.0	3,410	3,100
RENVILLE	9,200	10,800	8,600	10,000	1.2	1.2	10,360	12,100
SCOTT	600	600	600	600	1.1	1.1	670	670
SIBLEY	3,600	3,800	3,300	3,300	1.2	1.3	4,160	4,300
OTHER COUNTIES	1,000	1,000	900	1,000	1.1	1.0	950	980
CENTRAL	21,900	24,300	20,600	22,600	1.1	1.2	24,420	27,780
EAST CENTRAL	200	200	200	200	1.1	1.1	230	220
SOUTHWEST	3,200	3,700	3,000	3,600	1.6	1.4	4,880	5,330
BLUE EARTH	2,900	3,000	2,600	2,800	1.3	1.4	3,600	3,940
BROWN	3,700	3,600	3,500	3,400	1.5	1.4	5,280	5,030
FARIBAULT	7,100	7,400	6,800	7,000	1.3	1.2	9,310	9,060
FREEBORN	1,400	1,400	1,300	1,300	1.5	1.3	1,990	1,740
LE SUEUR	2,700	2,700	2,600	2,400	1.1	1.1	3,060	2,750
MARTIN	2,900	2,900	2,700	2,200	1.1	1.4	3,160	3,190
NICOLLET	3,800	3,800	3,600	3,200	1.2	0.9	4,320	3,130
RICE	600	600	600	600	1.3	1.6	800	980
STEELE	1,700	1,700	1,600	1,500	1.4	1.7	2,380	2,610
WASECA	2,300	2,200	2,100	2,000	1.4	1.1	2,970	2,330
WATONWAN	1,300	1,300	1,200	1,100	1.1	1.2	1,360	1,400
SOUTH CENTRAL	30,400	30,600	28,600	27,500	1.3	1.3	38,230	36,160
DAKOTA	3,000	3,200	2,800	3,000	1.2	1.1	3,410	3,460
DODGE	3,300	3,600	3,100	3,500	1.2	1.2	3,860	4,530
GOODHUE	4,200	4,500	4,000	4,300	1.3	1.6	5,190	7,040
MOWER	5,300	5,700	5,000	5,500	1.3	1.4	6,690	7,830
OLMSTED	2,400	2,600	2,200	2,500	1.3	1.9	3,030	4,860
WABASHA	2,900	3,100	2,700	3,100	1.4	2.0	4,030	6,480
OTHER COUNTIES	500	500	500	500	1.1	1.7	540	840
SOUTHEAST	21,600	23,200	20,300	22,400	1.3	1.5	26,750	35,040
MINNESOTA	77,300	82,000	72,700	76,300	1.3	1.3	94,510	104,530

AVERAGE COMPLETION DATES FOR MINNESOTA PLANTING AND HARVESTING

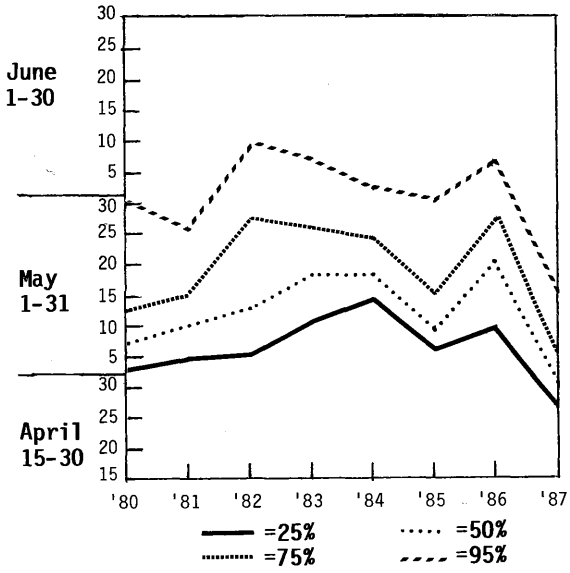
Crop and Year	Date PLANTING Completed					Date HARVESTING Completed				
	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent
Corn:										
1987	APR 23	APR 27	APR 30	MAY 6	MAY 13	SEP 27	OCT 5	OCT 10	OCT 17	OCT 26
1986	MAY 6	MAY 9	MAY 20	MAY 27	JUN 3	OCT 18	OCT 25	NOV 1	NOV 9	NOV 22
1983-87	APR 29	MAY 6	MAY 13	MAY 22	MAY 29	OCT 4	OCT 12	OCT 26	NOV 5	NOV 14
Soybeans:										
1987	MAY 4	MAY 8	MAY 14	MAY 22	MAY 29	SEP 20	SEP 28	OCT 1	OCT 6	OCT 10
1986	MAY 19	MAY 22	MAY 29	JUN 4	JUN 11	OCT 4	OCT 9	OCT 20	OCT 24	OCT 30
1983-87	MAY 10	MAY 19	MAY 24	MAY 31	JUN 8	SEP 28	OCT 3	OCT 13	OCT 27	NOV [illegible]
Spring Wheat:										
1987	APR 9	APR 16	APR 22	APR 28	MAY 3	JUL 27	JUL 31	AUG 6	AUG 12	AUG 16
1986	MAY 3	MAY 9	MAY 20	MAY 25	JUN 1	AUG 6	AUG 13	AUG 25	SEP 6	SEP 15
1983-87	APR 18	APR 25	MAY 3	MAY 14	MAY 23	AUG 1	AUG 8	AUG 15	AUG 26	SEP 11
Oats:										
1987	APR 3	APR 10	APR 17	APR 24	MAY 1	JUL 15	JUL 21	JUL 29	AUG 2	AUG 12
1986	APR 18	APR 27	MAY 8	MAY 22	MAY 28	JUL 26	AUG 4	AUG 9	AUG 19	SEP [illegible]
1983-87	APR 14	APR 21	APR 29	MAY 9	MAY 21	JUL 23	JUL 30	AUG 6	AUG 14	AUG 23
Barley:										
1987	APR 15	APR 21	APR 25	APR 30	MAY 5	JUL 23	JUL 28	JUL 31	AUG 6	AUG 12
1986	MAY 3	MAY 16	MAY 22	MAY 27	JUN 2	AUG 2	AUG 11	AUG 19	AUG 26	SEP [illegible]
1983-87	APR 21	APR 27	MAY 5	MAY 17	MAY 25	JUL 27	AUG 1	AUG 8	AUG 17	AUG 28
Flax:										
1987	APR 30	MAY 6	MAY 12	MAY 17	MAY 28	AUG 13	AUG 20	AUG 27	SEP 8	SEP 15
1986	MAY 24	MAY 28	JUN 2	JUN 7	JUN 13	AUG 31	SEP 10	SEP 20	OCT 16	OCT 24
1983-87	MAY 6	MAY 14	MAY 25	JUN 3	JUN 11	AUG 18	AUG 26	SEP 8	OCT 3	OCT 24
Sunflowers:										
1987	MAY 1	MAY 7	MAY 12	MAY 18	MAY 30	SEP 26	OCT 7	OCT 15	OCT 20	OCT 23
1986	MAY 26	MAY 31	JUN 4	JUN 6	JUN 11	OCT 13	OCT 20	OCT 26	OCT 30	NOV [illegible]
1983-87	MAY 9	MAY 17	MAY 26	JUN 4	JUN 9	OCT 5	OCT 14	OCT 23	NOV 1	NOV [illegible]
Alfalfa Hay: 1/										
1987	NOT					MAY 25	JUN 3	JUN 10	JUN 15	JUN 20
1986	APPLICABLE					JUN 2	JUN 5	JUN 12	JUN 19	JUN 28
1983-87						JUN 1	JUN 7	JUN 15	JUN 25	JUL [illegible]
Winter Wheat:										
1987	AUG 20	AUG 28	SEP 4	SEP 11	SEP 18	JUL 13	JUL 17	JUL 23	JUL 29	AUG [illegible]
1986	AUG 26	SEP 1	SEP 13	SEP 21	OCT 5	JUL 22	JUL 28	AUG 3	AUG 9	AUG 16
1983-87	AUG 26	SEP 2	SEP 11	SEP 20	OCT 3	JUL 20	JUL 25	AUG 1	AUG 7	AUG 14
Rye:										
1987	AUG 20	AUG 28	SEP 3	SEP 11	SEP 19	JUL 13	JUL 16	JUL 22	JUL 28	AUG [illegible]
1986	AUG 28	SEP 4	SEP 15	SEP 30	OCT 13	JUL 21	JUL 26	AUG 4	AUG 9	AUG 16
1983-87	AUG 27	SEP 3	SEP 11	SEP 21	OCT 3	JUL 18	JUL 25	AUG 2	AUG 7	AUG 13
Sugarbeets:										
1987	APR 20	APR 22	APR 25	APR 29	MAY 2	SEP 18	OCT 1	OCT 7	OCT 10	OCT 17
1986	MAY 9	MAY 12	MAY 17	MAY 23	MAY 26	SEP 24	OCT 4	OCT 8	OCT 12	OCT 17
1983-87	APR 25	APR 27	MAY 4	MAY 11	MAY 20	SEP 23	OCT 4	OCT 9	OCT 20	OCT 27

1/ First cutting.

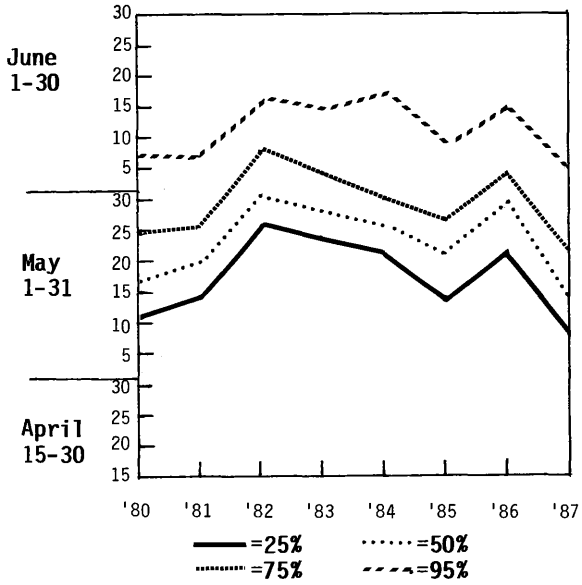
MINNESOTA PLANTING PROGRESS

1980-87

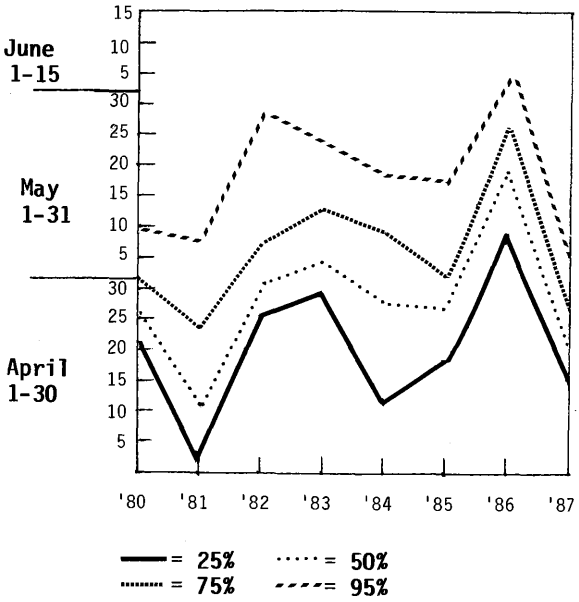
Corn



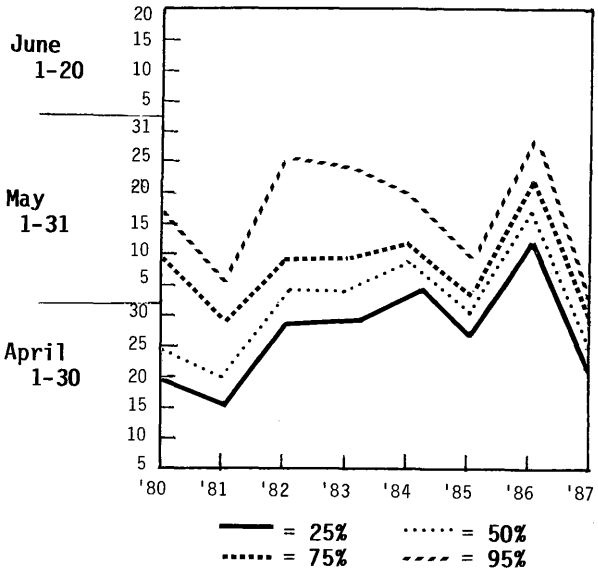
Soybeans



Wheat



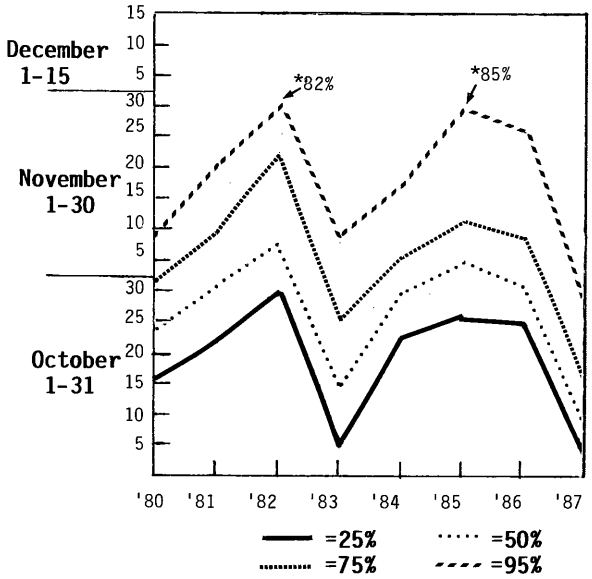
Sugarbeets



MINNESOTA HARVESTING PROGRESS

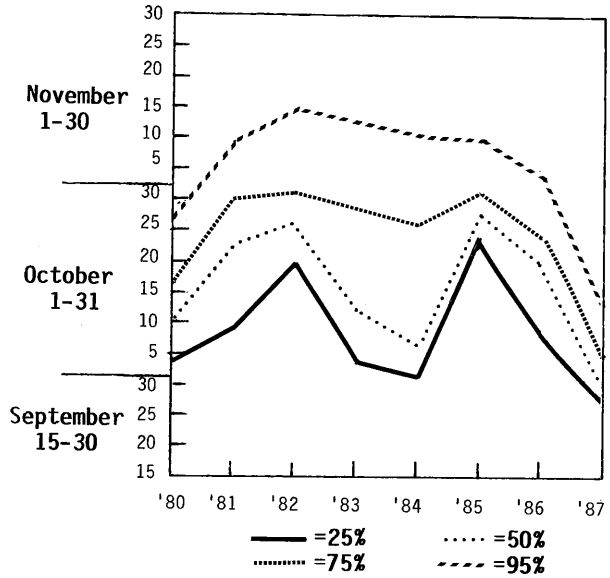
1980-87

Corn

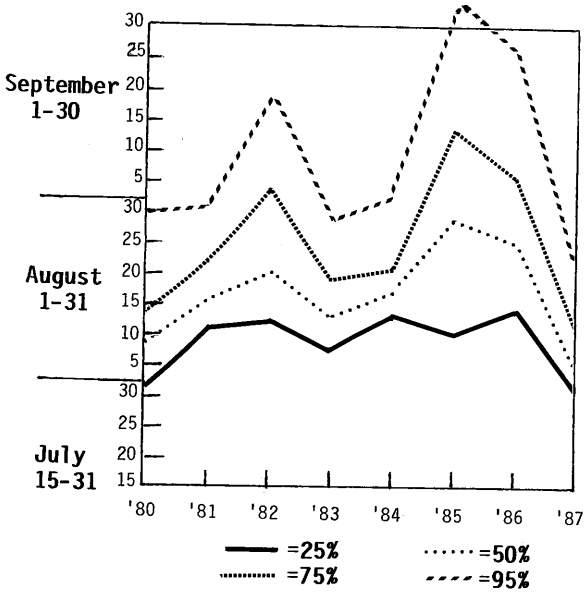


* Denotes final survey.

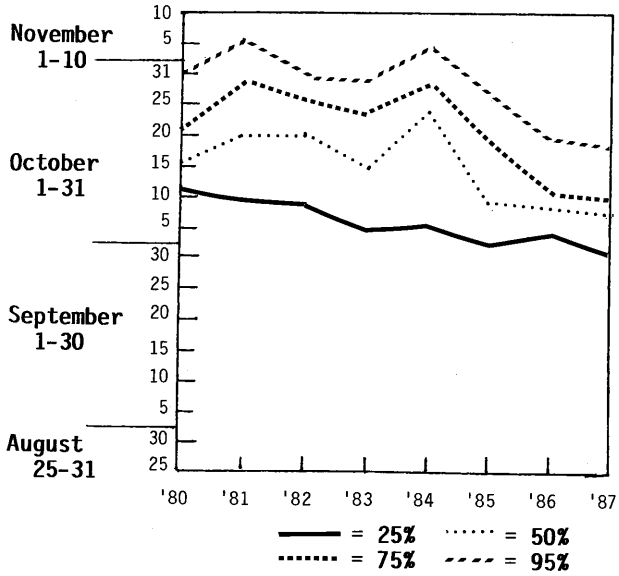
Soybeans



Wheat



Sugarbeets



Paddy Wild Rice

(Information Provided by the Minnesota Paddy Wild Rice Research and Promotion Council)

Wild rice was designated as Minnesota's official State Grain in 1977. The cultivated crop is grown on an estimated 20,000 paddy acres in north central Minnesota. The leading counties are Aitkin, Beltrami, Cass, Clearwater, Itasca, and Koochiching.

In recent years, production increases have primarily been the result of increasing yields rather than increasing acreage. Average yields per acre are about 230 processed pounds, up from 155 in 1985. Yields of over 700 processed pounds are beginning to be realized by some farmers.

In 1987, cultivated wild rice production totaled about 4,200,000 processed pounds, a decline from the record production in 1986 of 5,313,000 processed pounds. The production decline was caused by a combination of factors, including prior year production excesses and poor weather conditions. The value of the 1987 crop was $7.35 million at a producer price of $1.75 per pound of processed grain.

The excess production of paddy wild rice in crop years 1985 and 1986 severly supressed producer prices, with a resulting reduction in acreage in both Minnesota and California in 1987.

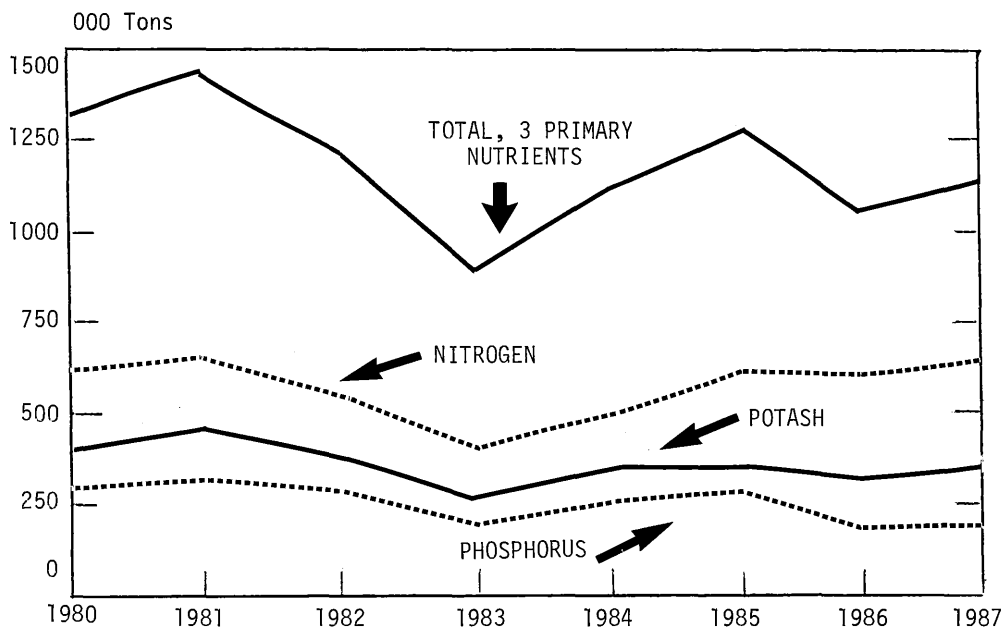
Fertilizer Use

Minnesota fertilizer consumption totaled 2.0 million tons for the year ending June 30, 1987, up 4% from the previous year. Minnesota was the 7th ranking state in total tonnage.

Usage of the primary nutrients is shown on the chart; nitrogen was up 4% from 1986 while phosphate fell 1% and potash was up 12%.

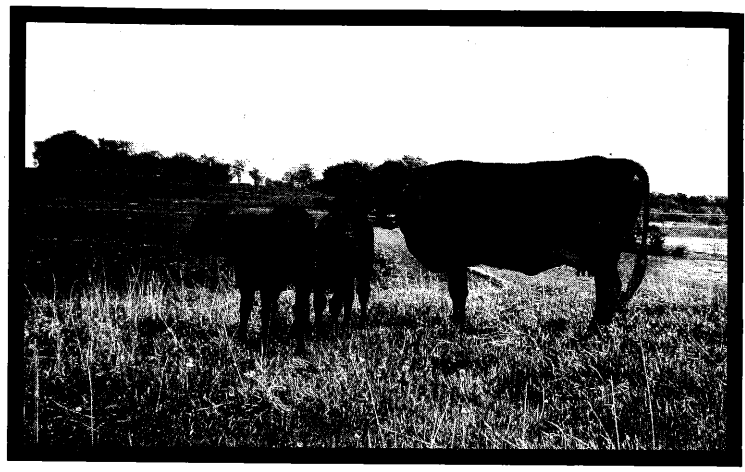
Fertilizer consumption represents all commercial fertilizer sold or shipped for farm and non-farm use as fertilizer.

MINNESOTA'S USE OF PRIMARY NUTRIENTS AS FERTILIZER



SECTION 3

LIVESTOCK, DAIRY, POULTRY



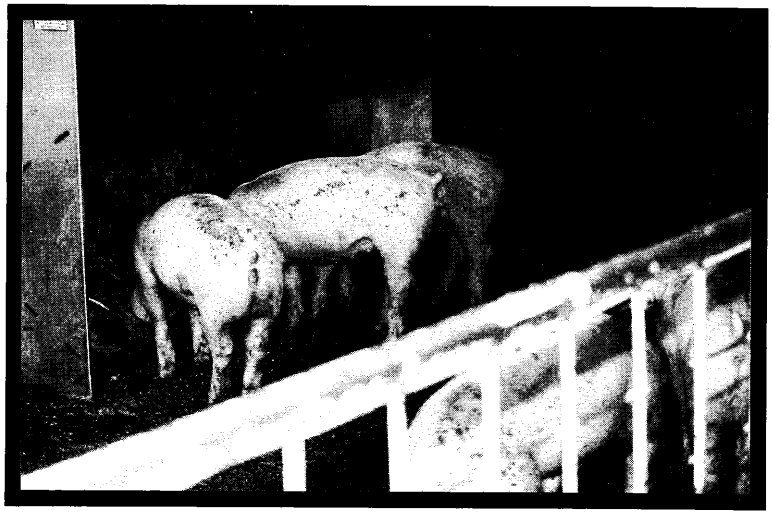


Photo by Janet Wieman

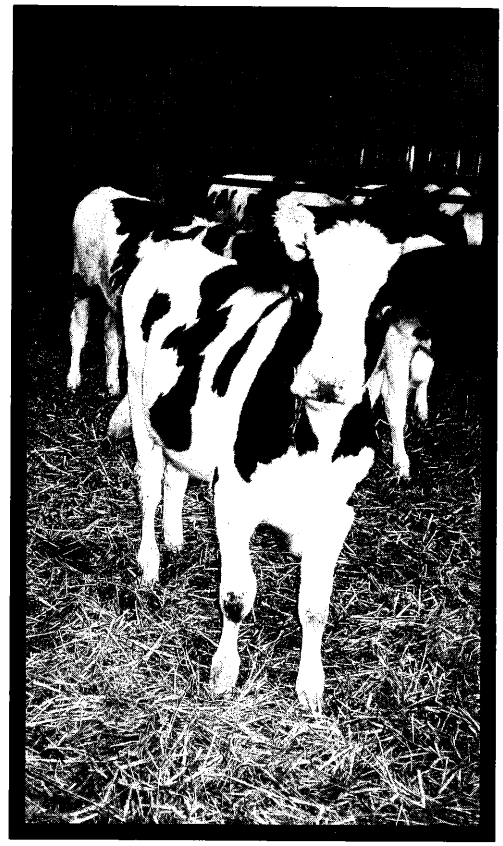


Photo by Janet Wieman

Livestock

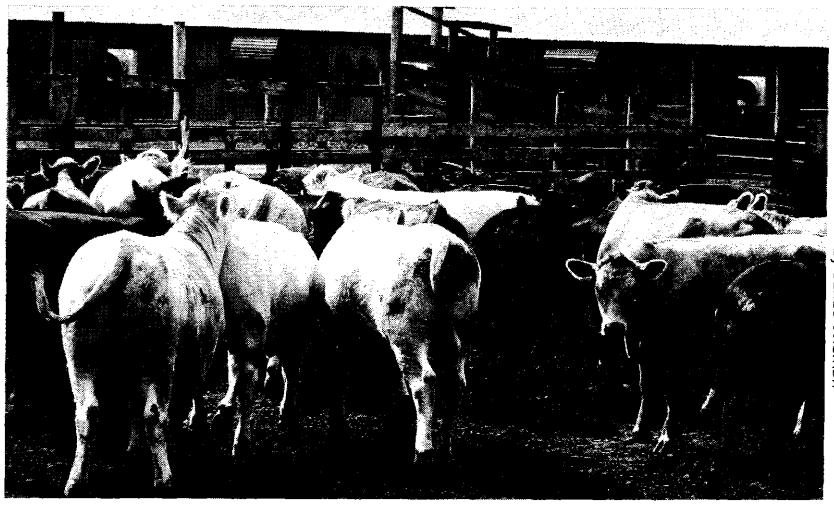


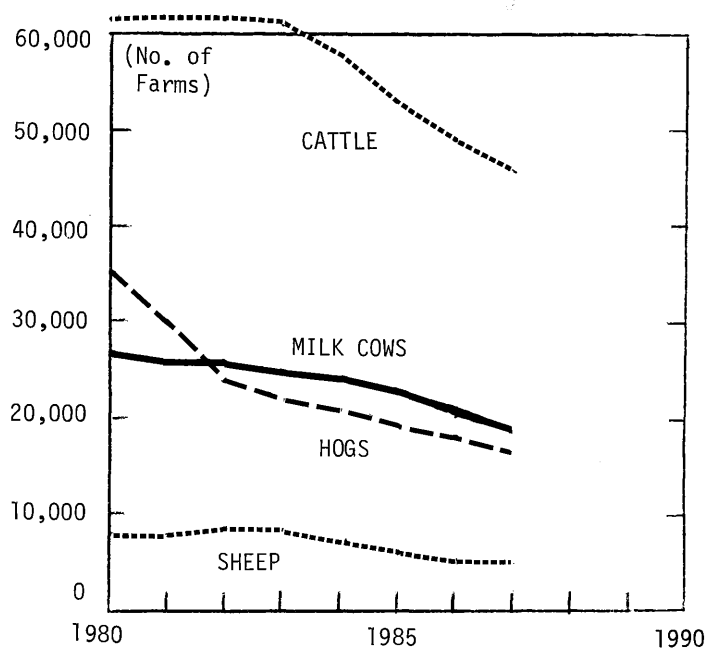
Photo by Janet Wieman

Cattle numbers on Minnesota farms on January 1, 1988 were down 10% from a year earlier and were the lowest total since 1928. Minnesota's 1987 calf crop at 1,180,000 head was 7% below 1986. Meanwhile, sheep and lamb numbers were slightly above January 1, 1987. The inventory of all hogs on December 1, 1987 was up 2% from the previous year; farrowings at 915,000 head in 1987 were up 8%. A crop of 7,321,000 pigs was produced in the state during 1987, an increase of 8% from 1986 and the largest total since 1983. The average yearly litter rate of 8.00 pigs was unchanged from 1986. All chickens on farms were down 7%.

The combined value of all livestock and poultry on Minnesota farms was $2,071 million. All cattle and calves, valued at $1,710 million were 17% higher than a year ago. The value of hogs on hand on December 1, 1987 accounted for $322 million, down 19%; all sheep and lambs, $22.1 million, up 12%; and all chickens $17.3 million, down 4%.

The number of operations with cattle in 1987 fell 1,000 while milk cow operations dropped 2,000 and beef cow operations were down 1,500. Hog operations declined by 1,500 and sheep operations were unchanged.

MINNESOTA FARMS WITH LIVESTOCK*



*Operations having 1 or more head of species on hand at any time during year. Addition may exceed total farms in state.

MINNESOTA NUMBER OF LIVESTOCK OPERATIONS 1/

YEAR	-- NUMBER OF OPERATIONS WITH --				
	CATTLE	MILK COWS	BEEF COWS	HOGS	SHEEP
1983	61,000	25,000	NA	22,000	8,400
1984	58,000	24,000	NA	21,000	7,000
1985	53,000	23,000	NA	19,500	6,000
1986	49,000	21,000	17,500	18,000	4,800
1987	48,000	19,000	16,000	16,500	4,800

1/ Some operations may have more than one species hence sum is greater than total farms.

RECORD HIGHS IN LIVESTOCK, DAIRY, AND POULTRY PRODUCTION

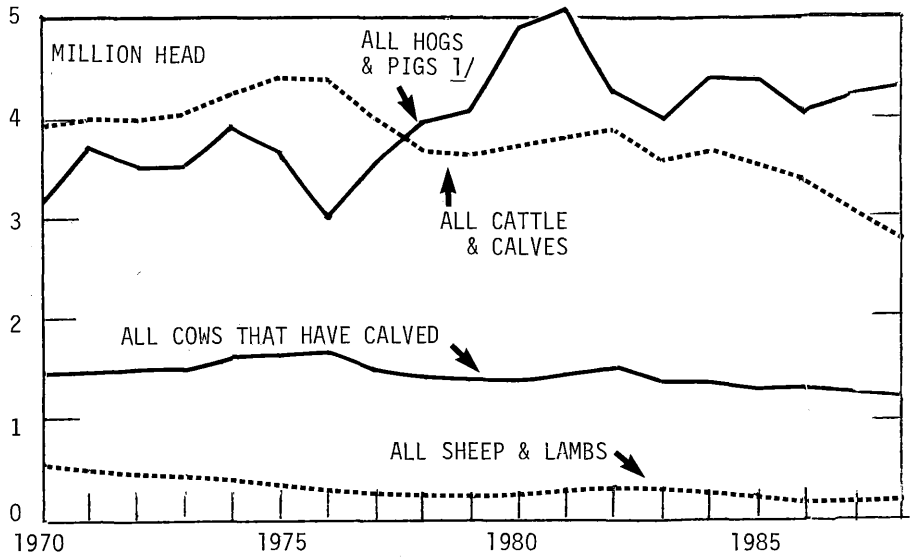
Item	Number	Record High Date
ALL CATTLE INVENTORY:		
Minnesota	4,518,000	Jan. 1, 1964 & 1965
BEEF COWS:		
Minnesota	751,000	1976
MILK COWS:		
Minnesota	1,893,000	1934
CATTLE ON FEED:		
Minnesota	589,000	Jan. 1, 1970
CALVES BORN:		
Minnesota	1,867,000	1944
ALL HOGS BY QUARTERS:		
JANUARY 1: 1/		
Minnesota	5,352,000	1944
MARCH 1: 2/		
Minnesota	4,950,000	1980
JUNE 1: 3/		
Minnesota	5,928,000	1951
SEPTEMBER 1: 2/		
Minnesota	5,518,000	1955
DECEMBER 1: 2/		
Minnesota	5,100,000	1980
ANNUAL PIGS PER LITTER:		
Minnesota	8.00	1986 & 1987
United States	7.76	1987

Item	Number	Record High Date
ANNUAL PIG CROP:		
Minnesota	8,937,000	1980
ANNUAL MILK PRODUCTION: (Mil. Lbs.)		
Minnesota	11,155	1964
MILK PRODUCTION PER COW: (Lbs.)		
Minnesota	12,680	1987
United States	13,786	1987
ALL SHEEP & LAMBS:		
Minnesota	1,496,000	Jan. 1, 1943
STOCK SHEEP:		
Minnesota	1,201,000	1942 & 1943
LAMB CROP:		
Minnesota	1,015,000	1942
ALL CHICKENS:		
Minnesota	31,742,000	Dec. 1, 1944
EGGS PER LAYER:		
Minnesota	247	1987
United States	248	1987
TURKEYS RAISED:		
Minnesota	40,500,000	1987

1/ January 1 inventory discontinued in 1965.
2/ March 1, September 1, and December 1 data available since 1954.
3/ June 1 estimates were started in 1950.

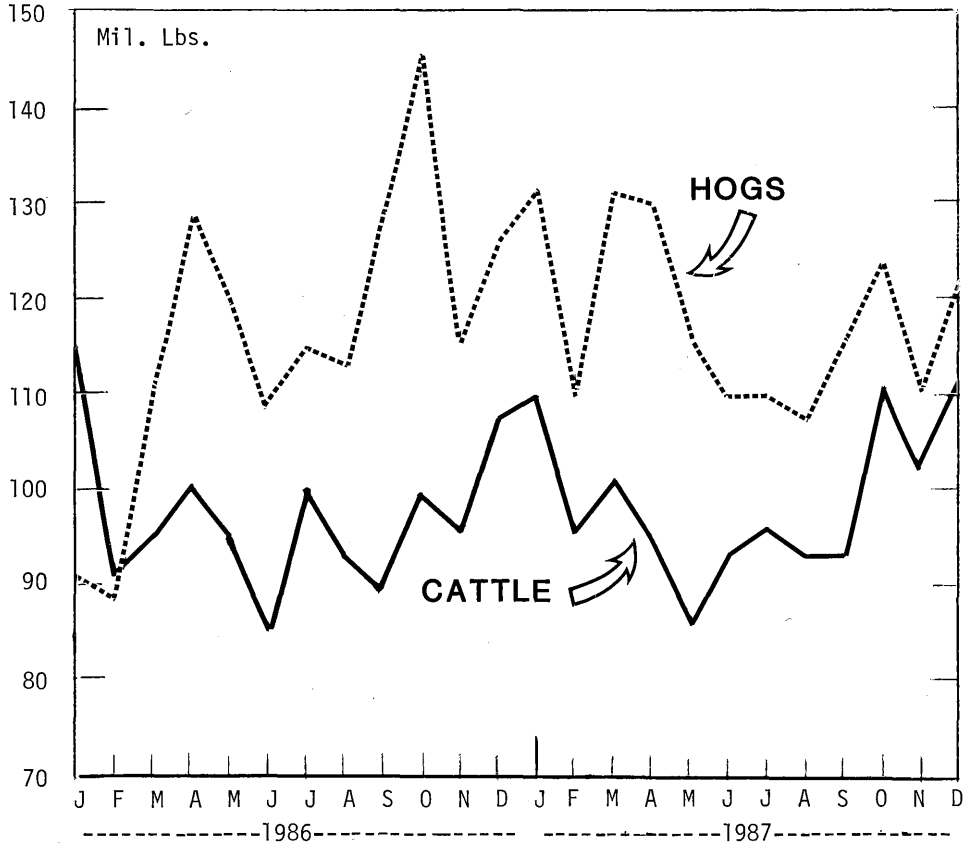
Photo by Janet Wieman

LIVESTOCK ON MINNESOTA FARMS, JANUARY 1



1/ December 1 preceding year.

MINNESOTA'S BEEF AND PORK PRODUCTION *



* Total liveweight of cattle and hogs commercially slaughtered.

MINNESOTA LIVESTOCK AND POULTRY — INVENTORY AND INVENTORY VALUE

Class	Number on Farms			Value per Head			Total Inventory Value		
	1986	1987	1988	1986	1987	1988	1986	1987	1988
	1,000 Head			Dollars			1,000 Dollars		
All Cattle & Calves, Jan. 1	3,400	3,150	2,850	425.00	465.00	600.00	1,445,000	1,464,750	1,710,000
Total Cows That Have Calved	1,336	1,260	1,180						
Beef Cows	396	405	370						
Milk Cows	940	855	810						
Total Heifers 500 Pounds+	714	690	625						
Beef Replacement	62	66	63						
Milk Replacement	398	350	342						
Other	254	274	220						
Steers 500 Pounds+	525	485	399						
Bulls 500 Pounds+	37	38	36						
Calves Under 500 Pounds	788	677	610						
Cattle & Calves on Feed, Jan. 1	300	305	310						
All Hogs & Pigs, Dec. 1 1/	4,100	4,260	4,350	68.00	93.00	74.00	278,800	396,180	321,900
All Sheep & Lambs, Jan. 1	213	237	238	75.50	83.50	93.00	16,082	19,790	22,134
Stock Sheep	150	165	165						
Ewes 1 Year+	120	130	120						
Ewe Lambs	19	23	33						
Wethers & Rams 1 Year+	6	6	6						
Wether & Ram Lambs	5	6	6						
Sheep & Lambs On Feed	63	72	73						
All Chickens, Dec. 1 1/	12,700	12,800	11,900	1.80	1.40	1.45	22,860	17,920	17,255
Hens & Pullets of Laying Age	9,670	10,000	9,600						
Pullets 3 Months Old+, Not of Laying Age	1,720	1,260	1,000						
Pullets Under 3 Months	1,250	1,485	1,250						
Other Chickens	60	55	50						
TOTAL							1,762,742	1,898,640	2,071,289

1/ December 1 preceding year.

MINNESOTA CATTLE & CALVES DISPOSITION

Year	Inshipments	Marketings 1/		Farm Slaughter 2/ Cattle and Calves	Deaths	
		Cattle	Calves		Cattle	Calves
	1,000 Head					
1983	650	1,529	165	16	65	155
1984	600	1,587	165	13	55	150
1985	500	1,574	170	16	60	150
1986	510	1,633	170	12	55	160
1987	510	1,639	160	11	50	130

1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA CATTLE AND CALF INVENTORIES, PRODUCTION, AND INCOME

Year	On Farms, January 1			Annual Calves Born	Marketings 1/	Price Per 100 Lbs.		Cash Receipts 2/	Gross Income 3/
	All Cattle	All Cows That Have Calved	Milk Cows That Have Calved			Cattle	Calves		
	1,000 Head				1,000 Lbs.	Dollars		1,000 Dols.	1,000 Dols.
1983	3,610	1,371	890	1,360	1,747,035	47.60	59.70	835,367	856,373
1984	3,690	1,387	910	1,230	1,811,080	48.60	55.60	882,522	904,681
1985	3,550	1,310	890	1,320	1,863,310	49.60	55.40	926,225	948,564
1986	3,400	1,336	940	1,270	1,897,570	49.20	58.30	936,728	958,655
1987	3,150	1,260	855	1,180	1,965,450	58.10	78.30	1,149,288	1,168,485
1988	2,850	1,180	810	---	---	---	---	---	---

1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA CATTLE AND CALVES ON FEED BY QUARTERS

Year and Quarter	Total Number	Classes			Weight Groups 1/			
		Steers and Steer Calves	Heifers & Heifer Calves	Other	Under 500 Lbs.	500-699 Lbs.	700-899 Lbs.	900 Lbs. and Over
	1,000 Head				1,000 Head			
1983: January 1...	405	263	138	4	35	124	106	136
April 1.....	405	267	134	4	18	120	121	142
July 1.....	355	233	119	3	7	51	144	150
October 1...	240	161	77	2	7	26	83	122
1984: January 1...	375	244	127	4	25	109	104	133
April 1.....	350	228	119	3	15	92	122	118
July 1.....	285	188	94	3	8	45	100	129
October 1...	225	144	79	2	6	35	78	104
1985: January 1...	370	237	129	4	22	110	101	133
April 1.....	355	231	121	3	13	87	126	126
July 1.....	305	207	95	3	8	43	97	154
October 1...	215	148	65	2	5	25	70	113
1986: January 1...	300	204	93	3	18	89	83	107
April 1.....	305	207	95	3	12	62	112	116
July 1.....	255	176	76	3	7	34	92	119
October 1...	205	141	62	2	6	30	63	104
1987: January 1...	305	204	98	3	20	94	81	107
April 1.....	320	224	93	3	14	67	124	112
July 1.....	290	206	81	3	11	34	93	149
October 1...	225	160	63	2	10	27	67	119
1988: January 1...	310	217	90	3	19	91	83	114
April 1.....	320	221	96	3	15	67	120	115

1/ Weight breakdown is for steers and heifers only.

ALL CATTLE, CATTLE ON FEED, ALL STOCK SHEEP: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	ALL CATTLE AND CALVES		CATTLE AND CALVES ON FEED		ALL STOCK SHEEP AND LAMBS	
	1987	1988	1987	1988	1987	1988
	NUMBER		NUMBER		NUMBER	
BECKER	43,800	46,800	3,800	3,400	2,200	3,000
CLAY	20,800	19,800	1,900	2,100	900	1,300
CLEARWATER	28,900	27,000	1,100	1,100	1,800	1,800
KITTSON	14,200	15,500	400	700	1,700	2,000
MAHNOMEN	18,300	17,300	800	1,000	500	700
MARSHALL	18,900	19,200	2,000	2,200	3,100	3,500
NORMAN	20,100	18,400	1,400	1,200	400	400
PENNINGTON	15,400	14,200	500	1,000	1,100	1,300
POLK	44,700	40,600	5,100	4,900	3,000	2,500
RED LAKE	18,300	17,900	800	1,100	500	500
ROSEAU	32,900	30,200	1,800	1,500	4,000	4,700
NORTHWEST	276,300	266,900	19,600	20,200	19,200	21,700
BELTRAMI	27,100	25,300	1,200	1,500	1,900	1,400
CASS	26,500	23,600	800	1,400	2,000	2,000
HUBBARD	15,800	14,100	500	1,300	1,700	1,700
ITASCA	19,300	17,600	1,100	900	400	600
KOOCHICHING	11,700	11,100	400	400	1,000	1,300
LAKE OF THE WOODS	7,100	6,800	100	100	300	300
NORTH CENTRAL	107,500	98,500	4,100	5,600	7,300	7,300
COOK	300	300	0	0	0	0
LAKE	700	700	100	100	200	200
ST. LOUIS	23,600	19,900	600	500	800	800
NORTHEAST	24,600	20,900	700	600	1,000	1,000
BIG STONE	15,400	12,700	1,500	1,700	700	1,200
CHIPPEWA	13,300	12,200	1,600	2,200	1,700	1,900
DOUGLAS	47,600	43,700	3,300	3,700	1,800	2,000
GRANT	15,800	14,200	3,300	2,900	900	900
LAC QUI PARLE	30,900	24,100	7,000	5,900	1,400	1,500
OTTER TAIL	148,000	132,000	7,000	6,700	5,100	6,500
POPE	50,100	42,500	5,200	4,800	900	1,100
STEVENS	25,300	23,900	9,200	11,500	1,700	2,100
SWIFT	17,400	17,300	2,100	3,200	1,100	1,400
TRAVERSE	13,600	13,200	4,800	4,800	1,200	1,700
WILKIN	8,600	7,300	300	400	400	400
YELLOW MEDICINE	23,600	22,300	4,400	5,000	1,900	2,000
WEST CENTRAL	409,600	365,400	49,700	52,800	18,800	22,700
BENTON	40,300	38,500	1,700	1,700	600	600
CARVER	58,300	49,000	2,800	3,300	900	1,200
KANDIYOHI	36,800	33,700	3,300	3,100	4,000	4,100
MCLEOD	42,000	36,800	2,400	2,700	800	800
MEEKER	40,700	39,000	3,200	3,900	1,300	900
MORRISON	84,100	76,900	3,000	2,900	1,200	1,200
RENVILLE	29,900	27,000	4,900	6,000	6,100	5,100
SCOTT	33,700	27,000	3,400	2,800	1,000	800
SHERBURNE	18,000	17,300	1,800	2,300	1,100	800
SIBLEY	36,200	35,500	4,000	5,100	1,900	2,300
STEARNS	176,300	159,100	8,200	10,500	1,800	1,500
TODD	84,700	79,000	2,600	3,100	2,700	3,000
WADENA	33,700	29,000	1,200	1,300	1,800	1,400
WRIGHT	66,800	61,300	4,300	4,600	1,900	1,700
CENTRAL	781,500	709,100	46,800	53,300	27,100	25,400

ALL CATTLE, CATTLE ON FEED, ALL STOCK SHEEP: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	ALL CATTLE AND CALVES		CATTLE AND CALVES ON FEED		ALL STOCK SHEEP AND LAMBS	
	1987	1988	1987	1988	1987	1988
	NUMBER		NUMBER		NUMBER	
AITKIN	20,600	18,000	1,100	900	700	600
ANOKA	8,600	7,000	500	800	600	500
CARLTON	21,500	18,000	400	600	500	500
CHISAGO	29,200	24,100	1,800	1,500	500	500
CROW WING	19,300	17,800	700	700	1,100	600
HENNEPIN	23,700	20,500	1,600	1,500	700	600
ISANTI	17,900	13,500	1,600	1,300	1,000	1,100
KANABEC	39,900	35,300	1,800	2,200	900	1,000
MILLE LACS	35,600	30,500	1,400	1,200	800	800
PINE	57,700	53,200	1,200	2,200	2,300	2,000
RAMSEY	800	600	0	0	100	200
WASHINGTON	19,900	16,800	2,100	1,600	1,600	1,000
EAST CENTRAL	294,700	255,300	14,200	14,500	10,800	9,400
COTTONWOOD	36,100	31,300	12,500	11,800	4,400	3,100
JACKSON	31,200	24,700	6,400	5,700	2,900	2,500
LINCOLN	32,100	26,100	7,700	5,800	3,400	3,600
LYON	38,500	32,900	7,600	6,800	4,100	4,100
MURRAY	46,200	40,300	9,400	7,800	4,000	4,400
NOBLES	47,200	39,000	7,700	6,500	4,600	4,200
PIPESTONE	29,700	27,700	3,100	2,800	4,900	4,600
REDWOOD	34,900	29,800	8,500	6,600	2,800	2,700
ROCK	44,900	41,200	12,600	11,500	2,700	3,200
SOUTHWEST	340,800	293,000	75,500	65,300	33,800	32,400
BLUE EARTH	22,200	22,500	4,700	6,900	2,500	1,900
BROWN	36,900	34,800	7,000	6,300	2,000	2,000
FARIBAULT	20,000	17,200	4,800	4,100	3,000	2,600
FREEBORN	22,400	23,400	2,500	3,100	4,000	3,700
LESUEUR	29,300	25,700	2,700	3,700	1,300	1,600
MARTIN	23,600	21,100	3,900	3,600	3,300	2,800
NICOLLET	21,700	19,700	2,900	2,900	1,200	1,000
RICE	40,300	33,900	2,900	2,400	1,600	1,100
STEELE	24,900	21,100	3,200	2,700	1,200	1,200
WASECA	15,800	13,700	1,200	900	1,600	1,900
WATONWAN	17,300	13,900	4,600	4,100	1,200	1,600
SOUTH CENTRAL	274,400	247,000	40,400	40,700	22,900	21,400
DAKOTA	43,200	41,100	9,900	10,200	1,400	1,500
DODGE	30,900	27,700	2,700	2,600	1,500	1,800
FILLMORE	111,500	103,700	7,800	6,300	5,200	4,300
GOODHUE	98,100	86,300	6,400	6,300	4,100	4,700
HOUSTON	80,300	77,100	4,800	6,500	1,100	1,000
MOWER	32,100	30,000	4,000	4,400	2,600	2,600
OLMSTED	78,800	74,200	7,200	8,400	3,500	3,500
WABASHA	77,800	73,400	5,200	6,500	3,600	3,400
WINONA	87,900	80,400	6,000	5,800	1,100	900
SOUTHEAST	640,600	593,900	54,000	57,000	24,100	23,700
MINNESOTA	3,150,000	2,850,000	305,000	310,000	165,000	165,000

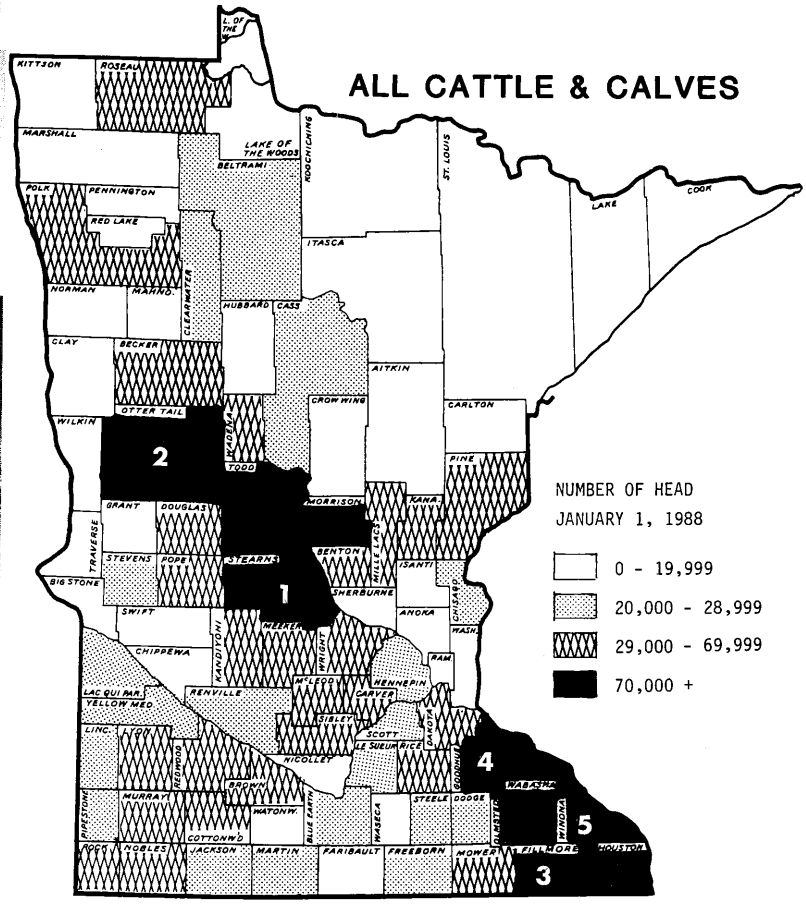
BEEF COWS, MILK COWS: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

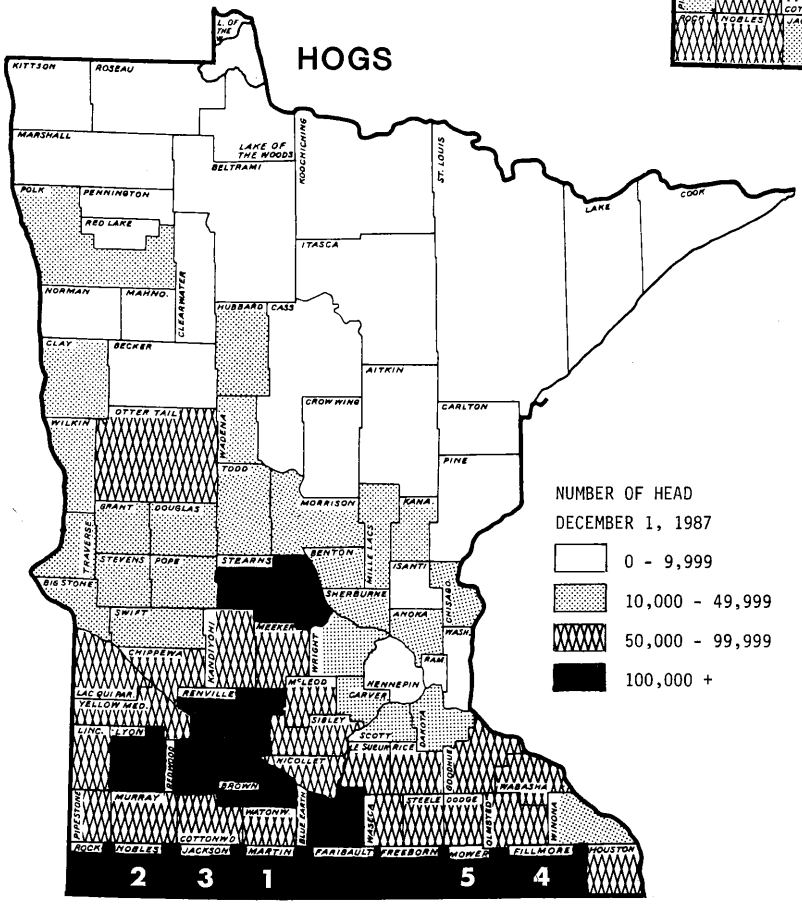
DISTRICT AND COUNTY	BEEF COWS		MILK COWS	
	1987	1988	1987	1988
	NUMBER		NUMBER	
BECKER	7,800	7,000	12,900	12,300
CLAY	5,100	4,300	3,800	3,700
CLEARWATER	9,500	9,000	4,200	4,100
KITTSON	6,900	5,800	300	300
MAHNOMEN	4,700	4,500	2,600	2,400
MARSHALL	5,700	4,700	2,300	2,300
NORMAN	5,500	4,400	3,300	3,300
PENNINGTON	3,800	3,100	3,600	3,400
POLK	10,500	8,400	6,100	6,000
RED LAKE	6,400	6,200	2,600	2,600
ROSEAU	10,100	9,300	5,600	5,400
NORTHWEST	76,000	66,700	47,300	45,800
BELTRAMI	10,200	9,900	3,900	3,700
CASS	10,800	9,500	4,000	4,000
HUBBARD	5,900	5,100	1,700	1,900
ITASCA	8,900	7,800	1,400	1,200
KOOCHICHING	4,000	3,200	600	600
LAKE OF THE WOODS	3,700	3,200	400	400
NORTH CENTRAL	43,500	38,700	12,000	11,800
COOK	200	200	--	--
LAKE	300	300	--	--
ST. LOUIS	6,800	6,100	3,500	3,400
NORTHEAST	7,300	6,600	3,500	3,400
BIG STONE	3,500	2,900	2,000	1,900
CHIPPEWA	2,200	1,800	1,700	1,500
DOUGLAS	5,400	4,400	19,500	18,600
GRANT	1,800	2,000	2,600	2,600
LAC QUI PARLE	6,000	4,800	3,200	2,800
OTTER TAIL	13,400	13,200	49,000	48,500
POPE	5,300	4,700	14,000	12,300
STEVENS	2,600	3,000	1,500	1,400
SWIFT	3,800	3,800	3,700	3,400
TRAVERSE	1,500	1,300	900	900
WILKIN	1,600	1,300	1,400	1,300
YELLOW MEDICINE	5,100	4,100	2,700	2,600
WEST CENTRAL	52,200	47,300	102,200	97,800
BENTON	3,100	2,700	17,500	17,500
CARVER	2,100	1,700	22,100	21,700
KANDIYOHI	2,100	1,900	12,400	12,400
MCLEOD	1,100	1,300	20,100	18,700
MEEKER	1,900	2,400	14,900	14,200
MORRISON	6,700	6,600	34,600	33,500
RENVILLE	1,800	1,400	5,700	5,500
SCOTT	2,500	1,900	12,100	11,200
SHERBURNE	2,000	2,000	4,000	3,800
SIBLEY	1,700	1,900	13,300	12,700
STEARNS	6,500	5,500	82,400	79,200
TODD	5,600	5,300	35,400	35,000
WADENA	4,300	3,700	10,300	10,000
WRIGHT	3,800	4,000	27,400	25,500
CENTRAL	45,200	42,300	312,200	300,900

BEEF COWS, MILK COWS: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	BEEF COWS		MILK COWS	
	1987	1988	1987	1988
	NUMBER		NUMBER	
AITKIN	6,400	5,400	3,600	3,500
ANOKA	1,400	1,600	1,500	1,200
CARLTON	3,500	3,200	6,100	5,500
CHISAGO	4,700	4,100	7,500	6,900
CROW WING	5,000	5,300	4,300	4,000
HENNEPIN	2,300	2,300	8,000	6,800
ISANTI	2,000	1,600	6,200	5,200
KANABEC	7,800	6,400	9,900	9,100
MILLE LACS	3,000	2,800	13,800	13,300
PINE	9,900	9,700	14,500	14,500
RAMSEY	300	200	100	100
WASHINGTON	3,100	2,900	3,100	3,100
EAST CENTRAL	49,400	45,500	78,600	73,200
COTTONWOOD	2,000	1,700	2,800	2,700
JACKSON	3,100	2,800	2,400	2,100
LINCOLN	4,900	4,100	4,300	4,500
LYON	4,900	4,900	3,800	3,800
MURRAY	3,800	3,300	7,000	6,500
NOBLES	3,500	3,700	5,500	5,500
PIPESTONE	3,700	4,000	7,000	6,700
REDWOOD	3,100	2,800	4,000	4,200
ROCK	4,100	4,500	4,700	4,400
SOUTHWEST	33,100	31,800	41,500	40,400
BLUE EARTH	2,300	1,900	2,700	2,400
BROWN	1,600	1,300	11,000	10,800
FARIBAULT	1,300	1,200	3,100	3,100
FREEBORN	2,100	1,700	6,200	6,200
LESUEUR	4,100	3,200	8,100	7,000
MARTIN	1,500	1,200	3,100	3,100
NICOLLET	900	900	7,900	7,600
RICE	1,400	1,400	17,700	15,700
STEELE	1,000	800	10,700	10,400
WASECA	1,400	1,600	6,600	5,600
WATONWAN	1,200	1,000	2,000	1,700
SOUTH CENTRAL	18,800	16,200	79,100	73,600
DAKOTA	2,700	2,200	8,100	7,900
DODGE	1,100	1,000	11,800	10,400
FILLMORE	22,800	20,600	24,500	22,200
GOODHUE	9,000	9,500	34,100	30,400
HOUSTON	12,000	10,900	18,000	17,000
MOWER	3,600	2,900	8,500	8,100
OLMSTED	10,900	11,100	19,300	16,300
WABASHA	9,000	9,500	24,000	22,300
WINONA	8,400	7,200	30,300	28,500
SOUTHEAST	79,500	74,900	178,600	163,100
MINNESOTA	405,000	370,000	855,000	810,000

Geographic Distribution





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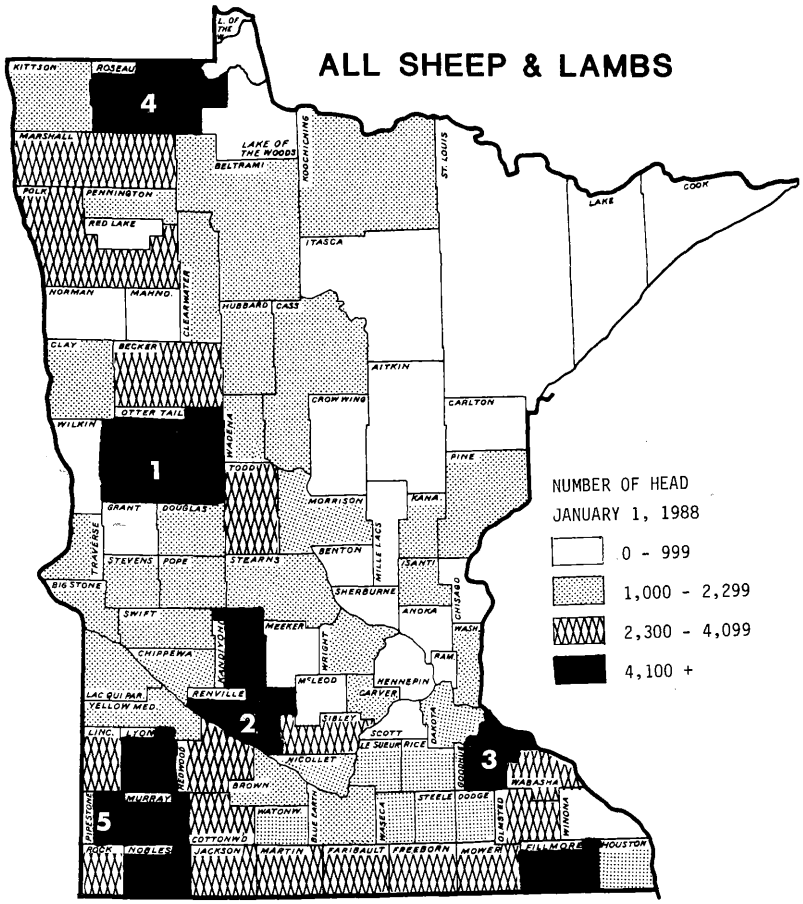
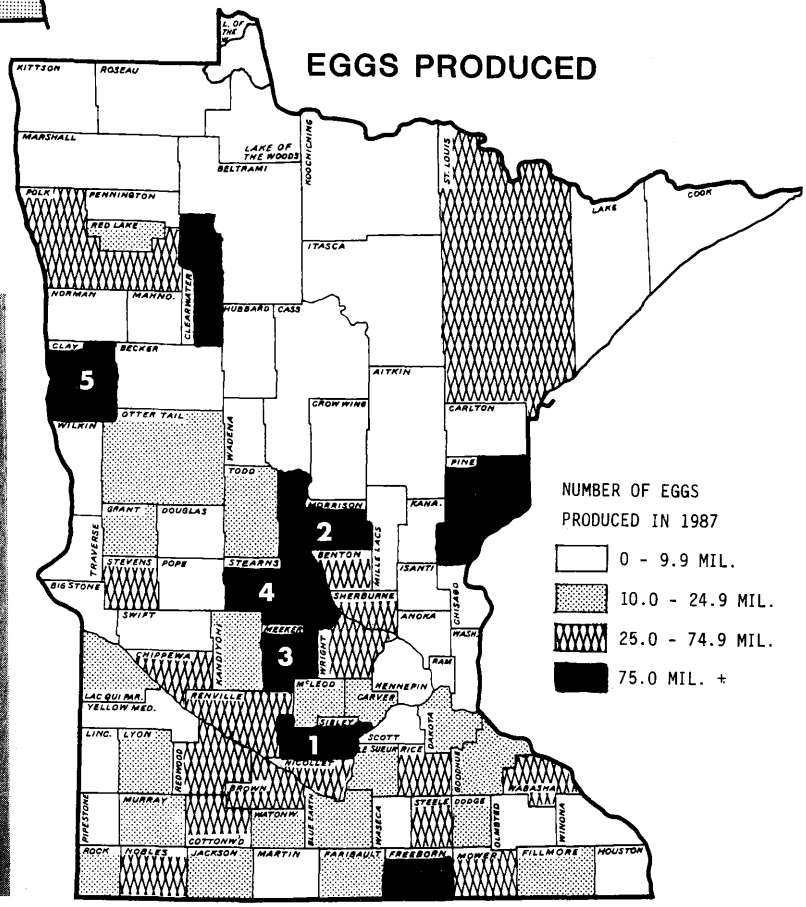




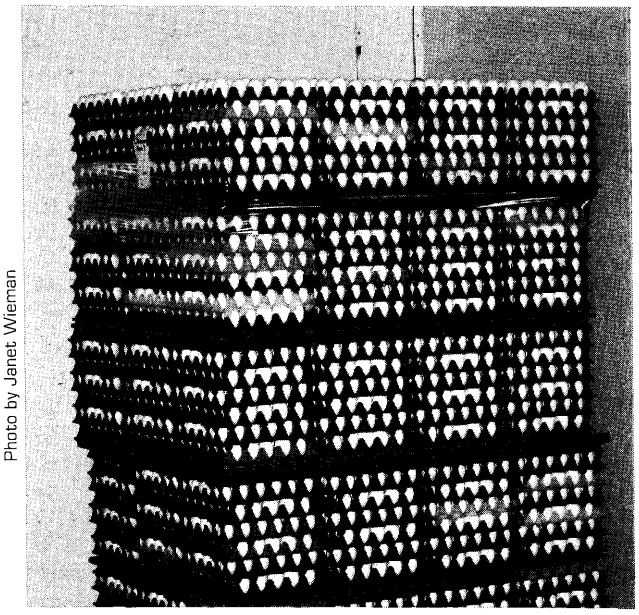


Photo by Janet Wieman

MINNESOTA SOWS FARROWED, PIG CROP, AND DISPOSITION

Year	Spring		Fall		Annual Total		Inship-ments	Market-ings 1/	Farm 2/ Slaughter	Deaths	All Hogs On Farms Dec. 1
	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop					
	1,000 Head		1,000 Head		1,000 Head		1,000 Head				
1983	510	3,964	470	3,595	980	7,559	176	6,930	15	390	4,400
1984	435	3,357	445	3,450	880	6,807	239	6,721	15	410	4,300
1985	435	3,439	450	3,578	885	7,017	288	7,137	18	350	4,100
1986	415	3,302	430	3,462	845	6,764	255	6,508	16	335	4,260
1987	445	3,585	470	3,736	915	7,321	300	7,165	16	350	4,350

1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA HOGS AND PIGS BY QUARTERS

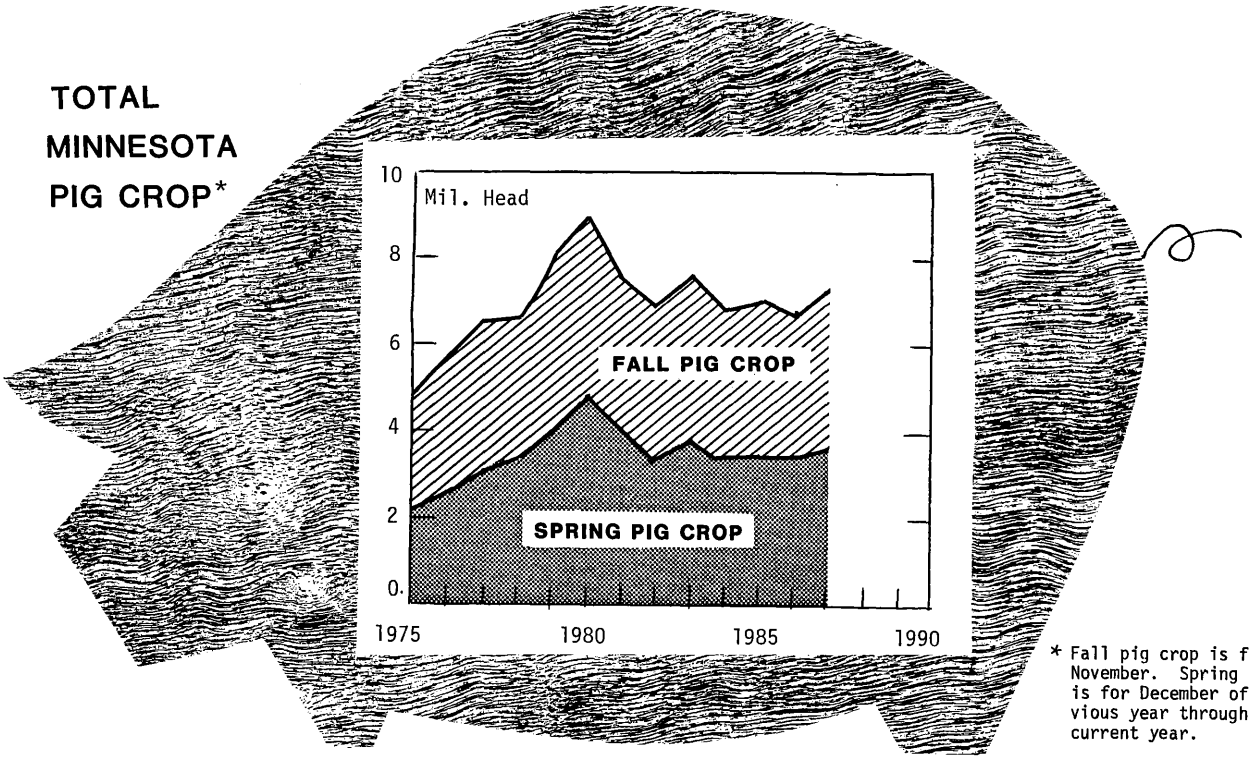
Year and Quarter	All Hogs and Pigs	For Breeding Purposes	Market Hogs and Pigs			
			Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. and Over
	1,000 Head	1,000 Head	1,000 Head			
1983: March.....	4,220	599	1,430	920	681	590
June.....	4,470	598	1,607	952	736	577
September...	4,330	533	1,458	923	801	615
December....	4,400	598	1,487	988	757	570
1984: March.....	4,020	539	1,264	870	776	571
June.....	3,870	570	1,390	850	590	470
September...	3,900	500	1,330	885	650	535
December....	4,300	540	1,448	996	771	545
1985: March.....	4,200	521	1,380	890	831	578
June.....	4,000	500	1,365	900	670	565
September...	4,150	570	1,600	795	655	530
December....	4,100	525	1,380	890	805	500
1986: March.....	3,900	490	1,315	840	690	565
June.....	3,925	500	1,340	890	710	485
September...	4,100	490	1,510	830	750	520
December....	4,260	535	1,370	975	810	570
1987: March.....	4,000	525	1,390	855	670	560
June.....	4,180	525	1,475	930	725	525
September...	4,550	560	1,600	1,010	780	600
December....	4,350	545	1,460	940	770	635
1988: March.....	4,270	530	1,490	880	760	610

MINNESOTA HOG PRODUCTION AND INCOME

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Cash Receipts 3/	Gross Income 4/
	1,000 Pounds		Dollars	1,000 Dollars	
1983	1,626,788	1,564,300	46.90	741,410	747,151
1984	1,488,512	1,510,990	47.50	726,857	733,490
1985	1,572,043	1,601,561	44.40	721,397	726,656
1986	1,479,217	1,460,285	50.70	750,234	755,809
1987	1,614,991	1,613,385	51.80	847,960	853,853

1/ Adjustments made for number shipped in and changes in inventory.
2/ Excludes interfarm sales.
3/ Includes receipts from marketings and sales of farm slaughtered meats.
4/ Includes value of home consumption on farms.

TOTAL MINNESOTA PIG CROP*



* Fall pig crop is for June-November. Spring pig crop is for December of the previous year through May current year.

MINNESOTA MINK PRODUCTION

Year	Number of Mink Farms	Pelts Produced	Females Bred 1/
1983	148	553,800	142,100
1984	156	591,600	146,900
1985	160	571,200	146,300
1986	155	568,000	139,800
1987 2/			

1/ Females bred to produce kits the following year.
2/ 1987 Mink data will be available July 15, 1988.

MINNESOTA HOGS AND PIGS, BY DISTRICTS AND COUNTIES

DISTRICT AND COUNTY	ALL HOGS DECEMBER 1		ANNUAL FARROWINGS		ANNUAL PIG CROP	
	1986	1987	1986	1987	1986	1987
	NUMBER		NUMBER		NUMBER	
BECKER	7,400	7,800	2,200	2,500	16,800	19,700
CLAY	11,100	14,800	2,700	3,700	20,600	29,200
CLEARWATER	1,800	3,600	900	2,000	6,900	15,800
KITTSON	1,800	3,200	700	1,100	5,400	8,700
MAHNOMEN	4,300	4,500	1,500	1,800	11,500	14,200
MARSHALL	5,900	5,900	2,200	2,600	16,800	20,500
NORMAN	7,800	9,000	2,100	2,400	16,000	18,900
PENNINGTON	4,700	4,800	1,700	1,900	13,000	15,000
POLK	10,700	11,000	3,000	3,200	22,900	25,300
RED LAKE	3,900	4,200	1,100	1,400	8,400	11,100
ROSEAU	3,400	3,000	1,200	1,100	9,200	8,700
NORTHWEST	62,800	71,800	19,300	23,700	147,500	187,100
BELTRAMI	7,800	6,900	2,200	2,400	16,600	18,800
CASS	6,000	8,900	2,000	2,200	15,100	17,200
HUBBARD	9,400	10,000	2,500	2,700	18,900	21,100
ITASCA	2,600	2,600	1,200	1,200	9,000	9,400
KOOCHICHING	1,700	1,200	400	300	3,000	2,300
LAKE OF THE WOODS	900	800	400	300	3,000	2,300
NORTH CENTRAL	28,400	30,400	8,700	9,100	65,600	71,100
COOK	--	--	--	--	--	--
LAKE	--	--	--	--	--	--
ST. LOUIS	1,800	1,800	500	600	3,900	4,700
NORTHEAST	1,800	1,800	500	600	3,900	4,700
BIG STONE	29,800	30,800	6,700	6,800	54,000	54,400
CHIPPEWA	54,000	55,400	10,300	11,500	83,000	92,000
DOUGLAS	16,600	16,700	4,500	4,800	36,200	38,400
GRANT	18,300	19,400	4,900	5,600	39,500	44,800
LAC QUI PARLE	53,700	54,800	11,800	12,600	95,100	100,900
OTTER TAIL	49,500	51,500	14,700	15,900	118,400	127,300
POPE	21,500	23,000	6,000	6,700	48,300	53,600
STEVENS	43,900	44,700	11,100	12,000	89,400	96,000
SWIFT	46,900	47,700	8,900	9,200	71,700	73,600
TRAVERSE	18,000	18,100	3,000	3,600	24,200	28,800
WILKIN	15,800	15,700	3,100	3,300	25,000	26,400
YELLOW MEDICINE	60,000	64,000	10,900	11,600	87,800	92,800
WEST CENTRAL	428,000	441,800	95,900	103,600	772,600	829,000
BENTON	35,100	37,600	11,300	12,100	92,200	96,800
CARVER	37,000	37,000	7,100	8,400	57,900	67,200
KANDIYOHI	69,500	71,500	17,400	19,100	142,000	152,800
MC LEOD	52,500	52,500	10,800	12,300	88,100	98,400
MEEKER	82,600	89,300	17,400	20,100	142,000	160,800
MORRISON	39,600	40,900	15,800	16,300	128,900	130,400
RENVILLE	126,100	127,700	23,100	27,200	188,500	217,700
SCOTT	33,000	34,000	5,000	6,200	40,800	49,600
SHERBURNE	14,100	14,700	4,400	4,900	35,900	39,200
SIBLEY	91,000	97,400	17,700	21,000	144,400	168,000
STEARNS	126,000	126,600	32,900	36,100	268,500	288,900
TODD	34,900	35,500	11,500	12,400	93,800	99,200
WADENA	19,600	18,500	5,700	6,400	46,500	51,200
WRIGHT	43,400	44,100	11,700	12,300	95,500	98,400
CENTRAL	804,400	827,300	191,800	214,800	1,565,000	1,718,600

MINNESOTA HOGS AND PIGS, BY DISTRICTS AND COUNTIES (CONT'D)

DISTRICT AND COUNTY	ALL HOGS DECEMBER 1		ANNUAL FARROWINGS		ANNUAL PIG CROP	
	1986	1987	1986	1987	1986	1987
	NUMBER		NUMBER		NUMBER	
AITKIN	1,000	900	400	300	3,000	2,400
ANOKA	9,800	10,100	1,400	1,700	10,400	13,600
CARLTON	800	900	200	300	1,500	2,400
CHISAGO	11,000	10,700	2,300	2,400	17,100	19,200
CROW WING	7,500	5,800	2,700	2,400	20,100	19,200
HENNEPIN	7,900	9,200	1,800	2,400	13,400	19,200
ISANTI	10,700	8,800	3,200	3,100	23,800	24,800
KANABEC	14,500	13,600	3,300	3,800	24,500	30,400
MILLE LACS	10,600	11,100	3,700	4,000	27,500	32,100
PINE	7,900	7,000	2,100	2,300	15,600	18,400
RAMSEY	500	500	100	100	700	800
WASHINGTON	8,400	8,000	1,500	1,500	11,200	12,000
EAST CENTRAL	90,600	86,600	22,700	24,300	168,800	194,500
COTTONWOOD	88,000	97,000	13,800	15,800	106,900	126,400
JACKSON	159,700	161,500	23,600	24,700	182,800	197,700
LINCOLN	55,000	59,200	10,300	11,200	79,800	89,600
LYON	106,500	125,300	18,700	21,500	144,900	172,000
MURRAY	87,300	89,700	16,700	17,500	129,400	140,000
NOBLES	163,200	165,000	28,500	30,200	220,800	241,700
PIPESTONE	52,400	53,000	10,100	11,000	78,200	88,000
REDWOOD	129,500	129,300	22,800	24,000	176,600	192,100
ROCK	104,800	109,000	16,800	17,900	130,100	143,200
SOUTHWEST	946,400	989,000	161,300	173,800	1,249,500	1,390,700
BLUE EARTH	140,600	140,700	21,800	24,100	175,600	191,900
BROWN	123,700	123,000	17,200	18,500	138,600	147,300
FARIBAULT	114,200	113,300	21,200	23,700	170,800	188,700
FREEBORN	146,100	145,000	25,800	27,300	207,900	217,300
LE SUEUR	74,500	72,000	15,000	15,300	120,800	121,800
MARTIN	191,700	194,000	36,400	37,100	293,300	295,400
NICOLLET	95,000	98,000	18,500	19,600	149,000	156,000
RICE	95,000	95,600	19,100	19,600	153,900	156,000
STEELE	72,800	76,400	12,200	13,300	98,300	105,900
WASECA	74,100	77,600	15,200	16,300	122,500	129,800
WATONWAN	78,900	78,500	14,600	15,300	117,600	121,800
SOUTH CENTRAL	1,206,600	1,214,100	217,000	230,100	1,748,300	1,831,900
DAKOTA	46,000	48,300	8,900	9,500	72,600	76,900
DODGE	55,000	53,000	10,600	11,000	86,500	89,100
FILLMORE	150,800	151,600	27,900	28,800	227,700	233,200
GOODHUE	65,600	65,600	12,800	13,900	104,400	112,600
HOUSTON	63,500	59,000	10,600	10,900	86,500	88,300
MOWER	144,800	150,900	25,900	27,800	211,300	225,200
OLMSTED	57,100	58,800	10,600	11,100	86,500	89,900
WABASHA	55,400	53,000	10,500	11,800	85,700	95,600
WINONA	52,800	47,000	10,000	10,200	81,600	82,600
SOUTHEAST	691,000	687,200	127,800	135,000	1,042,800	1,093,400
MINNESOTA	4,260,000	4,350,000	845,000	915,000	6,764,000	7,321,000

MINNESOTA SHEEP AND LAMBS

Year	On Farms, January 1			Lambs Saved	Marketings 1/	Cash Receipts 2/	Gross Income 3/
	Total All Sheep and Lambs	On Feed For Market	Stock (Breeding) Sheep				
	1,000 Head			1,000 Head		1,000 Dollars	
1983	300	65	235	235	299	15,480	15,654
1984	255	55	200	225	244	14,448	14,696
1985	255	70	185	190	247	16,387	16,628
1986	213	63	150	195	202	14,354	14,561
1987	237	72	165	170	179	13,878	14,048
1988	238	73	165	---	---	------	------

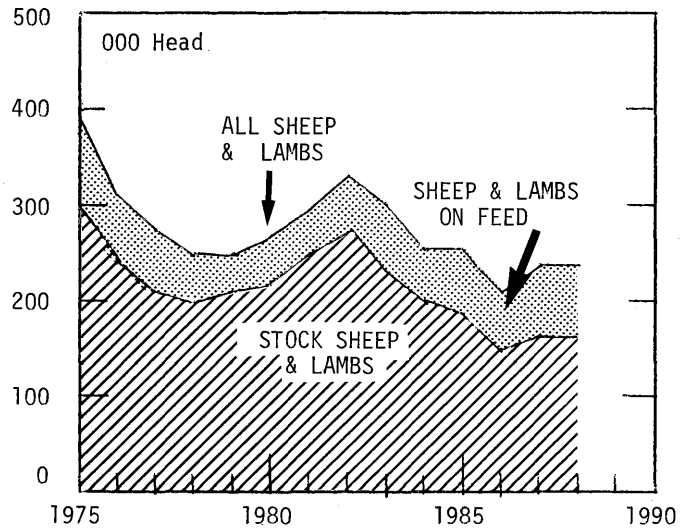
1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA WOOL

Year	Sheep Shorn 1/	Weight Per Fleece	Production Total	Annual Average Price Per Pound 2/	Value
	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1983	305	6.9	2,110	39	823
1984	285	7.0	1,985	54	1,072
1985	240	7.0	1,675	44	737
1986	230	6.7	1,530	45	689
1987	241	6.7	1,623	57	925

1/ Includes sheep shorn at commercial feeding yards.
2/ Average local market price for wool sold; does not include incentive payments.

MINNESOTA SHEEP & LAMBS, JANUARY 1

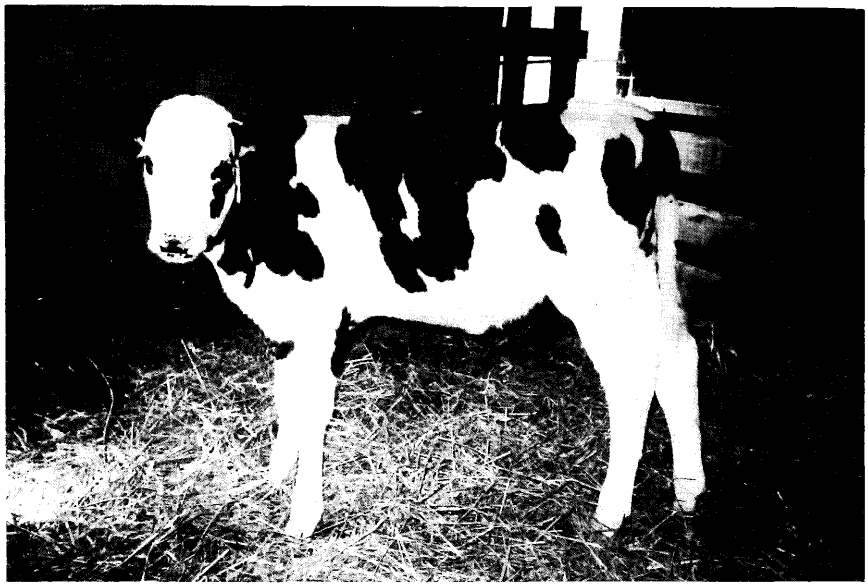


MINNESOTA COMMERCIAL LIVESTOCK SLAUGHTER

Month	CATTLE						CALVES					
	Number Slaughtered		Liveweight				Number Slaughtered		Liveweight			
			Average Weight		Total Weight				Average Weight		Total Weight	
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
	1,000 Head		Pounds		1,000 Pounds		1,000 Head		Pounds		1,000 Pounds	
January.....	99.3	92.1	1,163	1,191	115,428	109,769	0.3	0.3	203	199	71	54
February....	76.9	78.3	1,182	1,223	90,838	95,715	0.3	0.2	205	252	51	59
March.....	80.1	83.1	1,189	1,216	95,255	101,001	0.3	0.3	234	227	69	64
April.....	86.3	79.8	1,164	1,193	100,468	95,249	0.5	0.3	202	220	92	57
May.....	84.1	72.6	1,130	1,177	95,034	85,501	0.3	0.3	191	255	67	65
June.....	74.7	80.8	1,145	1,160	85,581	93,653	0.3	0.2	218	214	56	52
July.....	88.7	83.2	1,130	1,157	100,259	96,322	0.3	0.3	240	231	68	60
August.....	82.8	81.5	1,131	1,147	93,599	93,421	0.3	0.2	214	218	58	50
September...	78.4	79.0	1,149	1,185	90,059	93,579	0.3	0.2	216	254	61	56
October.....	85.9	92.5	1,162	1,198	99,855	110,843	0.3	0.3	228	246	66	62
November....	83.0	85.3	1,153	1,199	95,766	102,239	0.3	0.2	240	252	63	54
December....	92.9	91.4	1,162	1,213	107,860	110,883	0.3	0.3	240	261	74	72
ANNUAL TOTAL.....	1,013.2	999.6	1,155	1,189	1,170,001	1,188,176	3.7	3.0	218	235	797	708
	HOGS						SHEEP AND LAMBS					
January.....	379.8	540.1	237	244	90,041	131,684	32.5	28.8	120	120	3,886	3,471
February....	375.9	457.9	236	241	88,792	110,533	24.6	27.1	121	123	2,960	3,331
March.....	470.9	549.9	236	238	111,152	131,111	24.5	30.5	120	124	2,928	3,783
April.....	544.7	541.8	237	240	128,916	129,941	23.8	30.0	119	124	2,828	3,709
May.....	508.1	483.1	236	239	119,942	115,703	22.6	28.8	122	119	2,753	3,431
June.....	460.9	463.6	236	237	108,587	109,797	24.5	33.8	111	114	2,722	3,844
July.....	491.2	469.6	235	235	115,416	110,146	32.4	33.0	111	114	3,606	3,766
August.....	483.9	460.2	233	234	112,956	107,679	33.8	37.5	114	115	3,868	4,309
September...	544.7	489.1	237	236	129,181	115,598	33.9	37.7	115	116	3,915	4,377
October.....	606.0	521.0	240	238	145,716	124,036	34.3	32.7	115	119	3,961	3,894
November....	475.5	462.0	242	240	115,069	110,737	27.9	29.4	116	121	3,238	3,559
December....	520.5	508.8	243	239	126,484	121,778	32.2	31.4	118	122	3,792	3,826
ANNUAL TOTAL.....	5,862.1	5,947.0	238	239	1,392,253	1,418,743	347.1	380.7	117	119	40,459	45,301

Note: Totals may not add due to rounding.

Dairy



Minnesota's milk production totaled 10.4 billion pounds in 1987, 2% lower than 1986. The state's share of national production in 1987 was 7%. The 12-month average number of milk cows was 823 versus 891 in 1986. The average milk per cow was 12,680 in 1987, up 768 pounds from 1986.

The count of plant patrons selling milk or cream in June 1987 totaled 18,417. This compares with the totals of 20,345 for June 1986 and 22,168 for June 1985.

MINNESOTA MILK PRODUCTION, DISPOSITION, AND INCOME

Year	Total Milk Produced	Disposition of Milk Produced: Used on Farm Where Produced: Fed to Calves	Used on Farm Where Produced: Consumed in Farm Household	Sale of Wholesale Milk	Cash Receipts	Gross Producer Income
	Mil.Lbs.	Million Pounds			1,000 Dollars	
1983	10,913	56	22	10,835	1,402,049	1,404,896
1984	10,331	244	22	10,065	1,290,333	1,293,153
1985	10,840	150	20	10,670	1,285,735	1,288,145
1986	10,614	140	24	10,450	1,238,325	1,241,169
1987	10,436	125	23	10,288	1,220,157	1,222,885

MINNESOTA MANUFACTURED DAIRY PRODUCTS

Year	Butter	All Cheese	American Cheese	Non-Fat Dry Milk Solids	Dry Whey & Whey Fraction Solids	Ice Cream	Ice Milk	Milk Sherbet
	1,000 Pounds					1,000 Gallons		
1983	177,574	587,544	529,203	204,223	293,972	37,422	6,245	1,873
1984	148,681	560,858	494,964	159,685	309,721	37,342	8,590	1,727
1985	156,035	595,144	549,482	171,012	336,926	37,057	10,591	1,703
1986	156,678	566,872	515,151	185,244	353,964	38,906	9,475	1,908
1987	141,003	580,944	521,338	150,180	344,709	41,080	12,450	2,196

MINNESOTA MONTHLY DAIRY PRODUCTION

MILK COWS ON FARMS, EXCLUDES HEIFERS THAT HAVE NOT CALVED
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1983	890	891	892	894	896	898	900	902	904	906	908	910	899
1984	900	895	895	885	885	885	880	880	880	880	885	890	887
1985	890	895	900	905	910	915	920	920	925	930	930	935	915
1986	940	935	930	920	910	900	880	860	855	855	855	855	891
1987	845	840	835	830	820	820	820	815	815	815	815	810	823

MILK PRODUCTION ON FARMS
(Million Pounds)

1983	926	882	1,004	997	1,039	1,006	923	848	786	811	808	883	10,913
1984	918	882	962	947	974	920	845	779	744	766	757	837	10,331
1985	890	837	954	959	1,019	974	938	883	819	846	828	893	10,840
1986	959	898	986	975	1,019	959	893	817	752	774	765	817	10,614
1987	879	827	927	921	968	923	877	827	782	811	811	883	10,436

PERCENTAGE OF FAT IN MILK SOLD BY FARMERS TO DAIRY PLANTS
(Percent)

1983	3.70	3.67	3.64	3.64	3.60	3.52	3.47	3.44	3.58	3.74	3.79	3.80	3.63
1984	3.75	3.68	3.69	3.64	3.60	3.53	3.51	3.50	3.64	3.71	3.77	3.75	3.65
1985	3.74	3.72	3.67	3.63	3.54	3.50	3.45	3.51	3.63	3.75	3.77	3.76	3.63
1986	3.71	3.68	3.65	3.62	3.57	3.51	3.47	3.53	3.66	3.75	3.79	3.74	3.64
1987	3.69	3.66	3.65	3.61	3.54	3.46	3.43	3.45	3.61	3.75	3.76	3.73	3.61

BUTTER MANUFACTURED
(Million Pounds)

1983	15.6	14.5	16.6	16.4	16.8	15.9	13.6	13.5	13.0	13.5	13.7	14.4	177.6
1984	14.6	13.5	14.1	13.6	13.8	12.6	12.4	10.6	10.5	11.2	10.2	11.6	148.7
1985	12.3	11.6	13.3	13.8	14.1	13.7	13.5	13.2	13.3	12.5	11.8	13.0	156.0
1986	14.8	13.6	14.6	14.5	15.3	13.9	11.9	11.5	11.2	12.5	10.9	12.0	156.7
1987	12.2	11.4	13.1	12.9	12.9	11.8	11.4	10.2	10.2	11.3	11.0	12.5	141.0

AMERICAN CHEESE MANUFACTURED
(Million Pounds)

1983	45.3	43.1	49.0	48.1	50.5	48.3	44.3	38.0	36.3	41.4	40.6	44.3	529.2
1984	44.3	41.3	46.8	46.3	48.7	42.9	35.7	35.1	34.9	37.5	38.5	43.0	495.0
1985	44.6	42.0	48.3	47.6	51.0	49.9	45.0	44.5	40.0	45.4	44.6	46.7	549.5
1986	46.9	43.3	49.6	48.8	50.3	46.9	43.1	38.8	35.8	34.2	36.4	41.1	515.2
1987	44.4	41.3	47.0	46.2	48.6	44.8	41.5	37.1	37.3	42.5	43.1	47.7	521.3

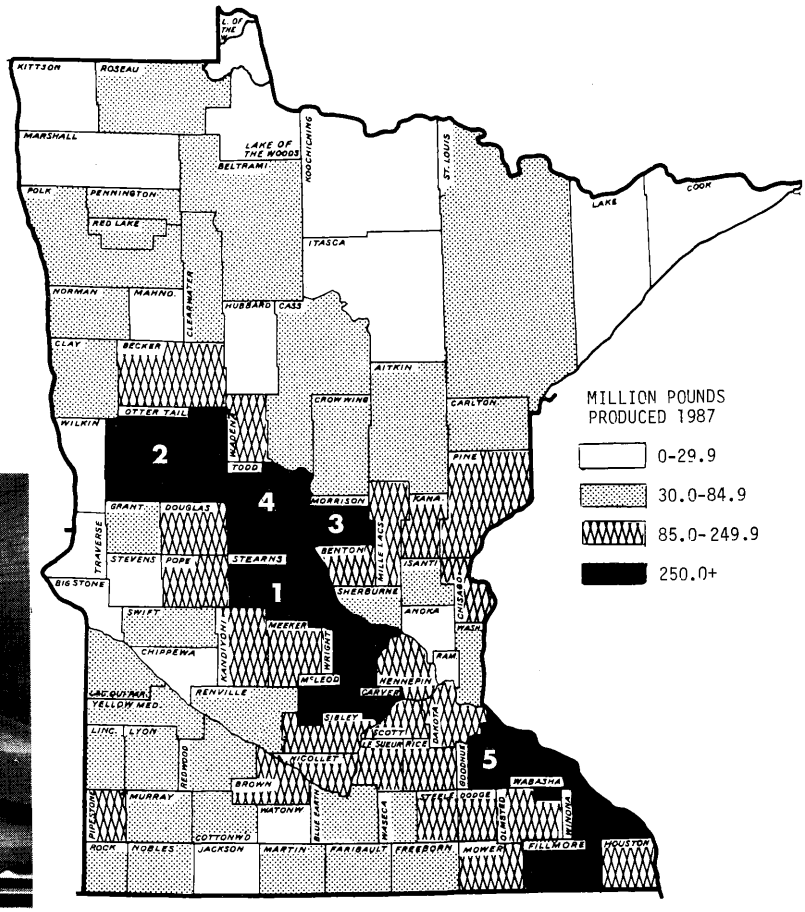
DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

DISTRICT AND COUNTY	ANNUAL AVERAGE MILK COWS ON FARMS		ANNUAL AVERAGE PRODUCTION PER COW		TOTAL PRODUCTION	
	1986	1987	1986	1987	1986	1987
	-NUMBER-		-THOUSAND POUNDS-		-THOUSAND POUNDS-	
BECKER	13,600	12,300	12.5	12.8	170,000	157,500
CLAY	3,900	3,700	12.3	12.4	48,000	46,000
CLEARWATER	3,900	4,100	11.5	11.6	45,000	47,500
KITTSON	500	300	12.0	11.7	6,000	3,500
MAHNOMEN	2,800	2,500	11.1	11.4	31,000	28,500
MARSHALL	2,500	2,300	11.2	11.3	28,000	26,000
NORMAN	3,500	3,300	11.1	11.2	39,000	37,000
PENNINGTON	3,700	3,400	11.1	11.3	41,000	38,500
POLK	6,600	6,000	11.4	11.6	75,000	69,500
RED LAKE	2,800	2,600	11.4	11.5	32,000	30,000
ROSEAU	6,200	5,500	11.8	12.0	73,000	66,000
NORTHWEST	50,000	46,000	11.8	12.0	588,000	550,000
BELTRAMI	4,000	3,800	11.0	11.7	44,000	44,500
CASS	4,200	4,000	10.7	11.5	45,000	46,000
HUBBARD	1,700	1,800	11.8	12.2	20,000	22,000
ITASCA	1,400	1,400	10.7	11.4	15,000	16,000
KOOCHICHING	700	600	10.0	10.8	7,000	6,500
LAKE OF THE WOODS	500	400	10.0	10.0	5,000	4,000
NORTH CENTRAL	12,500	12,000	10.9	11.6	136,000	139,000
COOK	--	--	---	---	--	--
LAKE	--	--	---	---	--	--
ST LOUIS	3,500	3,500	11.4	11.4	40,000	40,000
NORTHEAST	3,500	3,500	11.4	11.4	40,000	40,000
BIG STONE	2,400	2,000	10.4	11.2	25,000	22,500
CHIPPEWA	1,700	1,600	11.2	11.9	19,000	19,000
DOUGLAS	20,100	18,600	11.6	12.4	234,000	230,000
GRANT	3,100	2,600	11.9	12.7	37,000	33,000
LAC QUI PARLE	3,800	3,200	11.1	12.0	42,000	38,500
OTTER TAIL	49,100	48,500	12.0	12.7	587,000	616,500
POPE	14,400	12,700	11.9	12.8	171,000	162,500
STEVENS	1,600	1,400	11.2	12.1	18,000	17,000
SWIFT	4,100	3,500	11.7	12.4	48,000	43,500
TRAVERSE	1,100	900	10.0	11.1	11,000	10,000
WILKIN	1,400	1,300	11.4	12.3	16,000	16,000
YELLOW MEDICINE	3,200	2,700	11.9	12.8	38,000	34,500
WEST CENTRAL	106,000	99,000	11.8	12.6	1,246,000	1,243,000
BENTON	18,000	17,000	11.9	12.8	215,000	217,000
CARVER	21,200	21,700	12.3	13.0	260,000	282,500
KANDIYOHI	12,700	12,400	12.4	13.0	157,000	161,000
MCLEOD	20,500	19,200	12.4	13.1	255,000	251,500
MEEKER	14,900	14,200	12.3	13.0	184,000	184,000
MORRISON	37,000	34,300	12.3	13.1	454,000	448,000
RENVILLE	5,700	5,500	12.1	12.9	69,000	71,000
SCOTT	12,300	11,300	12.3	13.1	151,000	148,000
SHERBURNE	4,300	3,900	11.9	12.7	51,000	49,500
SIBLEY	16,000	13,300	12.1	12.8	194,000	170,500
STEARNS	83,000	79,200	12.2	13.0	1,009,000	1,028,500
TODD	37,200	35,000	11.7	12.5	436,000	436,000
WADENA	11,700	10,300	11.9	12.7	139,000	130,500
WRIGHT	27,500	25,700	12.5	13.2	343,000	340,000
CENTRAL	322,000	303,000	12.2	12.9	3,917,000	3,918,000

DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

DISTRICT AND COUNTY	ANNUAL AVERAGE MILK COWS ON FARMS		ANNUAL AVERAGE PRODUCTION PER COW		TOTAL PRODUCTION	
	1986	1987	1986	1987	1986	1987
	-NUMBER-		-THOUSAND POUNDS-		-THOUSAND POUNDS-	
AITKIN	3,900	3,500	11.8	12.7	46,000	44,500
ANOKA	1,500	1,400	12.7	13.2	19,000	18,500
CARLTON	6,200	5,500	11.3	12.1	70,000	66,500
CHISAGO	8,000	7,000	11.1	12.1	89,000	85,000
CROW WING	4,400	4,000	11.6	12.6	51,000	50,500
HENNEPIN	8,100	7,400	12.3	13.2	100,000	98,000
ISANTI	6,200	5,500	11.3	12.3	70,000	67,500
KANABEC	10,200	9,100	11.3	12.3	115,000	112,000
MILLE LACS	14,500	13,500	12.0	13.0	174,000	175,500
PINE	14,700	13,900	12.2	13.1	180,000	182,000
RAMSEY	100	100	10.0	10.0	1,000	1,000
WASHINGTON	3,200	3,100	11.9	12.9	38,000	40,000
EAST CENTRAL	81,000	74,000	11.8	12.7	953,000	941,000
COTTONWOOD	3,500	2,800	10.6	11.8	37,000	33,000
JACKSON	2,400	2,200	10.0	11.4	24,000	25,000
LINCOLN	5,300	4,500	11.1	12.3	59,000	55,500
LYON	4,200	3,800	11.2	12.4	47,000	47,000
MURRAY	7,400	6,500	10.1	11.3	75,000	73,500
NOBLES	6,100	5,500	10.8	12.0	66,000	66,000
PIPESTONE	8,500	7,000	11.4	12.6	97,000	88,500
REDWOOD	4,400	4,000	10.9	12.0	48,000	48,000
ROCK	5,200	4,700	10.2	11.4	53,000	53,500
SOUTHWEST	47,000	41,000	10.8	12.0	506,000	490,000
BLUE EARTH	2,700	2,400	12.2	12.9	33,000	31,000
BROWN	11,200	10,800	12.5	13.0	140,000	140,500
FARIBAULT	3,300	3,100	12.7	13.2	42,000	41,000
FREEBORN	6,600	6,200	10.9	11.8	72,000	73,000
LESUEUR	8,900	7,500	12.6	13.3	112,000	100,000
MARTIN	3,300	3,100	10.0	10.6	33,000	33,000
NICOLLET	8,800	7,600	12.4	13.1	109,000	99,500
RICE	19,000	16,100	11.9	12.8	226,000	206,500
STEELE	11,000	10,400	11.4	12.1	125,000	126,000
WASECA	7,000	5,900	11.6	12.5	81,000	73,500
WATONWAN	2,200	1,900	10.9	11.6	24,000	22,000
SOUTH CENTRAL	84,000	75,000	11.9	12.6	997,000	946,000
DAKOTA	8,100	7,900	12.2	12.9	99,000	102,000
DODGE	12,500	11,500	11.7	12.5	146,000	143,500
FILLMORE	25,600	23,200	11.9	12.7	304,000	294,500
GOODHUE	34,500	31,300	12.4	13.1	428,000	411,000
HOUSTON	19,000	17,500	11.9	12.6	226,000	221,000
MOWER	8,600	8,100	12.8	13.4	110,000	108,500
OLMSTED	20,500	18,500	12.0	12.7	245,000	235,000
WABASHA	24,500	22,300	12.7	13.3	312,000	297,500
WINONA	31,700	29,200	11.4	12.2	361,000	356,000
SOUTHEAST	185,000	169,500	12.1	12.8	2,231,000	2,169,000
MINNESOTA	891,000	823,000	11.9	12.7	10,614,000	10,436,000

GEOGRAPHIC DISTRIBUTION OF MINNESOTA MILK PRODUCTION



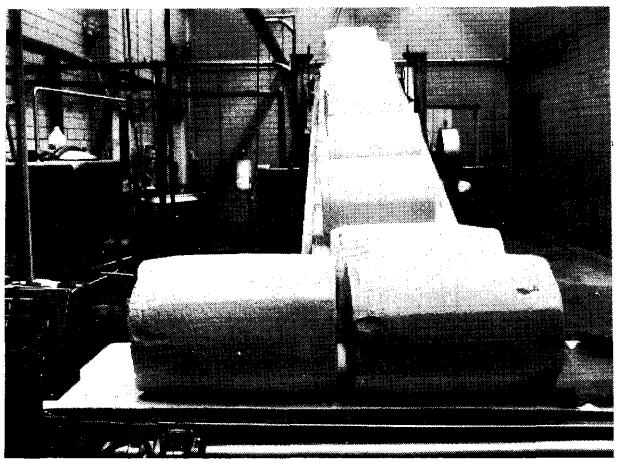
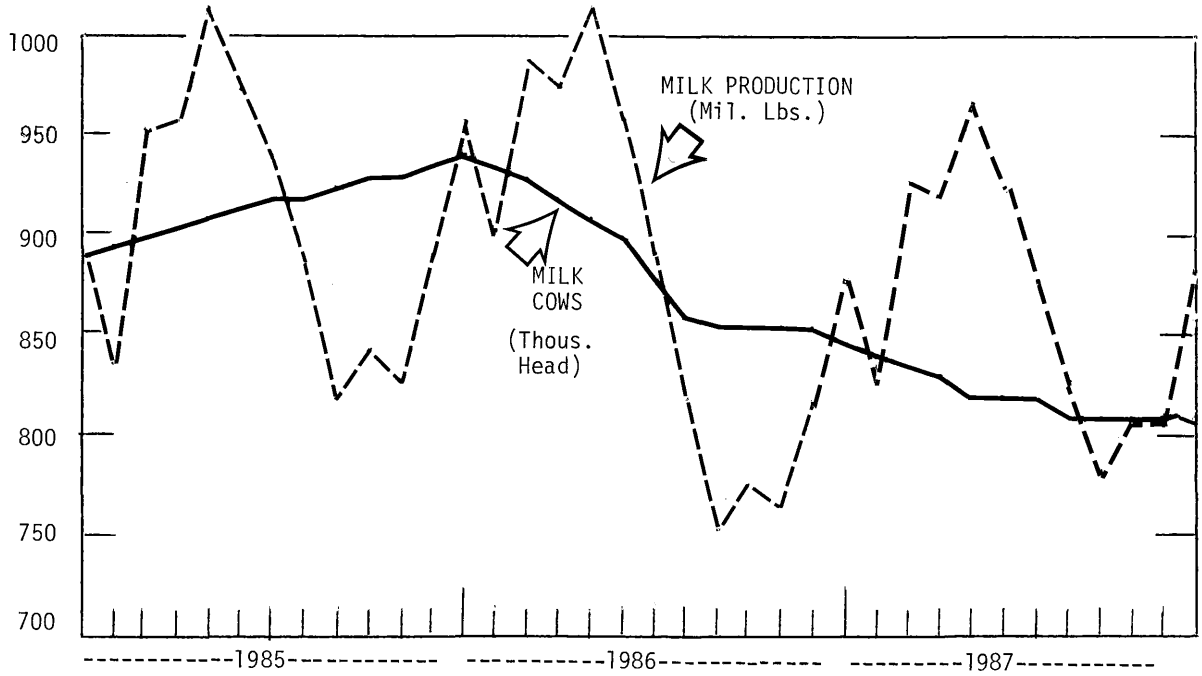
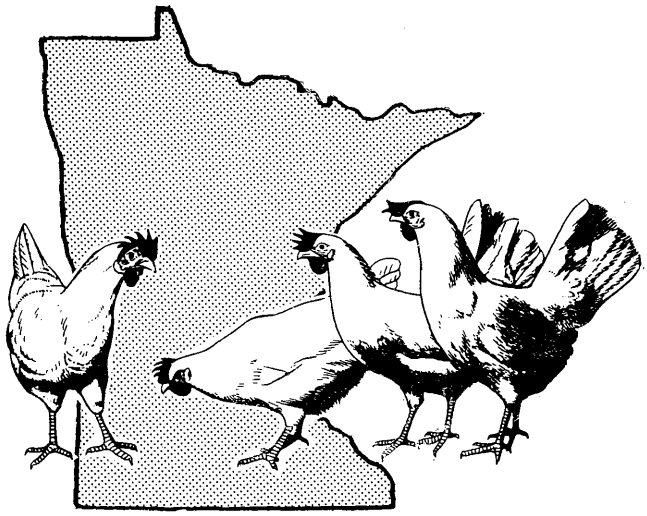


Photo courtesy of Minnesota Extension Service

MINNESOTA'S MONTHLY MILK PRODUCTION & MILK COWS



Poultry



Minnesota's turkey production has increased every year since 1978, when 21.2 million turkeys were raised. In 1987, our state's turkey farms boosted their output a phenomenal 18% to a new record of 40.5 million turkeys. Thus, 1987 capped a 10-year period during which a 91% expansion has occurred. Parallel gains in turkey production at the national level pressured prices down sharply. The average price received by Minnesota growers for turkeys in 1987 was 32.0 cents per pound, down 13 cents from 1986. Value of production in 1987 was $228.1 million, a drop of 15% below the previous year.

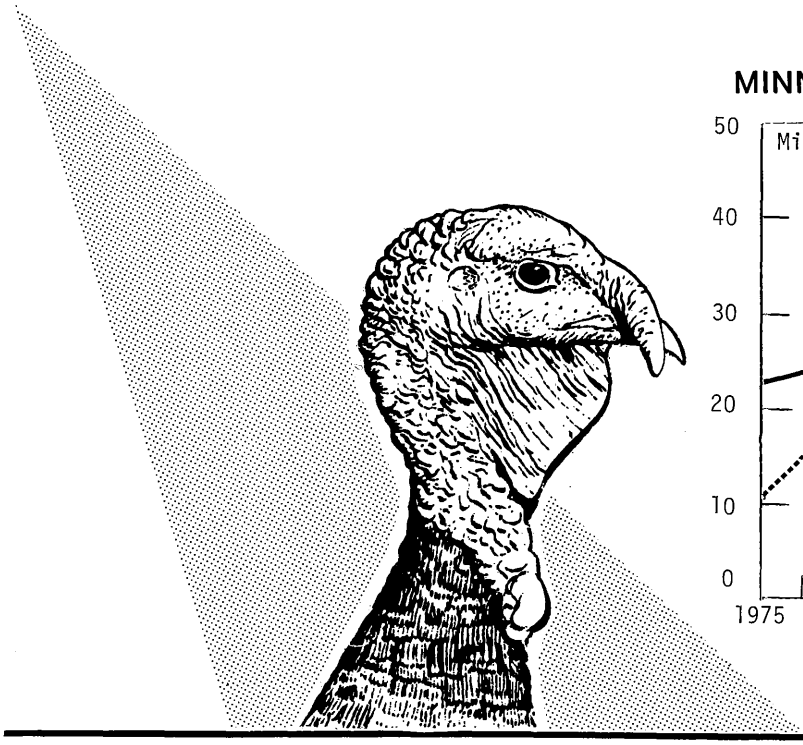
During 1987, hatcheries in the West North Central Region (which includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Minnesota) placed 84.7 million turkey poults, up 15% from 1986.

The state's egg production in 1987 was 2.3 billion eggs, a decrease of 2% from 1986. The average number of layers on farms declined 2% to 9.2 million. The value of production from eggs fell 12% in 1987 to $81.1 million. The all-egg price fell 10% to 43.0 cents per dozen, the lowest since 1978.

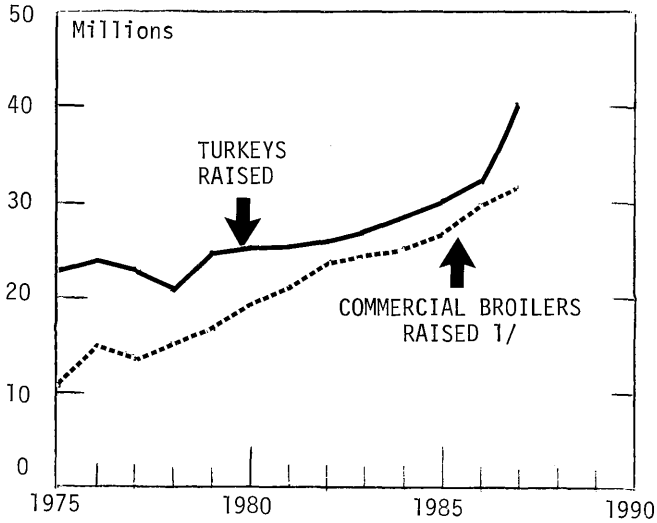
The total chicken inventory (excluding broilers) on December 1, 1987 decreased 7% to 11.9 million. Value of sales from all chickens (excluding broilers) was up 13% to $3.0 million as price per pound increased 16% to 11.0 cents.

In 1987, the number of broilers raised increased 7% to 31.7 million, a record-high production. A new record has been set every year since 1977. From 1986 to 1987, value of production declined 16% as a result of a sharp drop of 7 cents per pound in average annual price.

Hatchery production of egg-type chicks increased 36% to 19.2 million in 1987. These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.



MINNESOTA POULTRY PRODUCTION



1/ December 1 previous year to November current year.

MINNESOTA CHICKEN AND EGG INVENTORY, PRODUCTION AND VALUE

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	
	Thousands		Thousands	1,000 Dollars	Millions	1,000 Dollars	Thousands
1983	13,900	10,600	7,900	2,844	2,508	102,410	13,843
1984	13,800	10,050	8,575	4,288	2,443	124,186	16,827
1985	12,700	9,670	7,500	3,053	2,267	83,123	13,949
1986	12,800	10,000	7,700	2,707	2,312	91,709	14,117
1987	11,900	9,600	7,700	3,049	2,263	81,091	19,189

1/ December previous year to November current year.

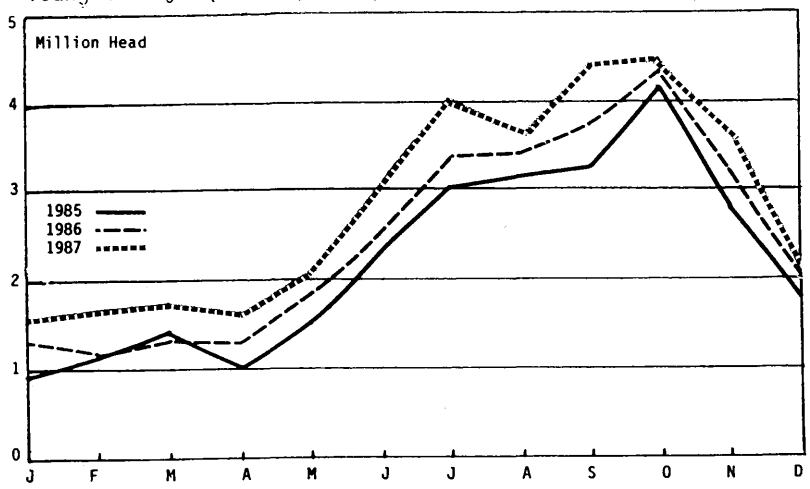
BROILERS AND TURKEYS: PRODUCTION AND VALUE

Year	Commercial Broilers 1/		Turkeys	
	Number Raised	Value of Production	Number Raised	Value of Production
	Thousands	1,000 Dollars	Thousands	1,000 Dollars
1983	24,400	30,866	27,000	158,263
1984	25,600	39,104	28,500	229,818
1985	26,900	38,333	30,400	250,338
1986	29,700	45,085	34,200	269,325
1987	31,700	37,913	40,500	228,096

1/ December previous year to November current year.

MINNESOTA MONTHLY TURKEY SLAUGHTER

Young turkeys (mature) slaughtered under federal inspection



MINNESOTA MONTHLY POULTRY PRODUCTION

CHICKENS: LAYERS ON FARMS
(Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual 1/
1983	10.4	10.4	10.5	10.4	10.3	10.4	10.2	9.9	9.8	9.8	10.2	10.6	10.2
1984	10.4	10.3	10.3	10.0	9.9	9.9	9.8	9.8	9.8	9.9	10.0	10.1	10.1
1985	9.8	9.6	9.6	9.3	9.0	8.8	8.9	8.9	8.9	8.9	9.3	9.7	9.3
1986	9.9	9.8	9.4	9.4	9.3	9.0	8.9	9.0	9.1	9.3	9.7	9.8	9.4
1987	9.3	9.0	9.2	9.2	8.9	8.9	9.0	9.0	9.1	9.3	9.5	9.6	9.2
EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH													
1983	21.1	19.1	21.0	20.0	20.0	19.8	21.2	21.2	20.2	20.5	20.1	21.1	245
1984	20.9	19.1	20.7	20.0	20.1	19.4	20.2	20.4	20.0	20.6	20.2	21.2	243
1985	21.1	18.9	21.4	20.7	20.9	20.1	20.5	20.4	19.7	20.2	19.7	20.8	245
1986	21.0	18.9	21.3	20.5	21.3	20.7	20.9	20.6	19.7	20.4	20.4	21.3	246
1987	20.8	18.7	21.2	20.5	20.9	19.8	20.5	20.7	20.0	21.1	21.1	21.9	247
EGGS: PRODUCTION ON FARMS 2/ (Million Eggs)													
1983	218	198	220	208	207	206	217	210	198	201	206	223	2,508
1984	217	197	213	201	200	192	198	200	196	204	202	213	2,443
1985	207	182	205	193	187	177	182	182	175	180	184	202	2,267
1986	207	185	201	193	199	186	186	185	179	190	199	208	2,312
1987	192	169	195	188	187	177	183	186	183	195	200	210	2,263

CHICKENS: EGG-TYPE HATCHERY PRODUCTION
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1983	880	996	1,054	1,335	1,498	1,409	1,026	1,366	1,165	907	1,007	1,200	13,843
1984	1,459	1,447	1,446	1,848	1,859	1,645	1,613	1,454	1,298	648	1,117	993	16,827
1985	914	754	1,070	1,487	1,697	1,154	1,074	902	1,475	1,253	1,087	1,082	13,949
1986	1,239	1,216	934	1,284	1,325	1,305	1,004	1,097	1,097	1,253	808	1,555	14,117
1987	974	1,204	1,906	1,479	1,572	1,568	1,632	1,366	1,710	2,053	1,612	2,113	19,189
TURKEYS: HATCHERY PLACEMENTS 3/ (Thousands)													
1983	3,653	4,658	6,818	7,216	7,487	7,630	6,455	3,524	1,814	2,755	2,748	2,977	57,735
1984	3,937	4,867	6,615	6,977	7,892	7,490	7,004	4,086	2,176	2,708	3,360	3,305	60,417
1985	4,575	5,787	6,564	7,508	7,861	7,201	6,487	4,925	3,015	3,331	3,573	3,952	64,779
1986	4,741	6,187	7,303	8,221	8,547	7,968	7,457	4,978	3,804	4,491	4,097	5,857	73,651
1987	6,885	7,036	8,820	9,308	9,065	9,281	8,455	5,230	4,535	5,211	5,071	5,839	84,736

1/ Annual data represent December previous year to November current year.
2/ Based on unrounded number of layers and eggs per layer.
3/ Totals are placements from West North Central Region hatcheries which include Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota. Data represent total placements excluding exported poults.

HENS AND PULLETS OF LAYING AGE, RATE OF LAY, EGG PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

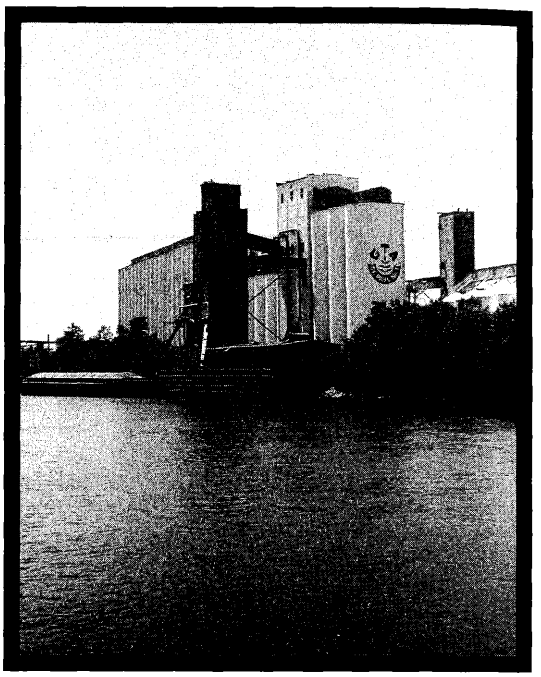
DISTRICT AND COUNTY	ANNUAL AVERAGE HENS & PULLETS OF LAYING AGE		ANNUAL AVERAGE RATE OF LAY		TOTAL EGG PRODUCTION	
	1986	1987	1986	1987	1986	1987
	NUMBER		NUMBER		THOUSANDS	
BECKER	25,000	26,000	---	---	6,200	6,400
CLAY	603,000	545,000	---	---	148,800	135,800
CLEARWATER	493,000	501,000	---	---	121,600	124,900
KITTSON	2,000	2,000	---	---	500	500
MAHNOMEN	10,000	8,000	---	---	2,700	2,000
MARSHALL	5,000	5,000	---	---	1,200	1,200
NORMAN	14,000	11,000	---	---	3,500	2,700
PENNINGTON	7,000	7,000	---	---	1,700	1,700
POLK	177,000	151,000	---	---	45,300	37,700
RED LAKE	67,000	52,000	---	---	16,500	12,900
ROSEAU	5,000	5,000	---	---	1,200	1,200
NORTHWEST	1,408,000	1,313,000	248	249	349,200	327,000
BELTRAMI	7,000	6,000	---	---	1,600	1,400
CASS	5,000	4,000	---	---	1,100	900
HUBBARD	9,000	8,000	---	---	1,900	1,900
ITASCA	5,000	4,000	---	---	1,100	900
KOOCHICHING	9,000	7,000	---	---	2,100	1,600
LAKE OF THE WOODS	2,000	2,000	---	---	500	400
NORTH CENTRAL	37,000	31,000	224	229	8,300	7,100
COOK	---	---	---	---	---	---
LAKE	1,000	1,000	---	---	200	200
ST. LOUIS	182,000	186,000	---	---	39,500	42,800
NORTHEAST	183,000	187,000	217	230	39,700	43,000
BIG STONE	36,000	41,000	---	---	6,700	9,600
CHIPPEWA	117,000	117,000	---	---	30,200	28,200
DOUGLAS	17,000	13,000	---	---	4,400	3,000
GRANT	58,000	70,000	---	---	12,400	16,600
LAC QUI PARLE	63,000	57,000	---	---	16,200	13,500
OTTER TAIL	65,000	63,000	---	---	16,800	15,100
POPE	44,000	37,000	---	---	11,500	8,900
STEVENS	119,000	127,000	---	---	28,800	30,200
SWIFT	13,000	14,000	---	---	2,800	3,300
TRAVERSE	13,000	11,000	---	---	3,300	2,600
WILKIN	18,000	15,000	---	---	5,100	3,600
YELLOW MEDICINE	33,000	27,000	---	---	9,000	6,300
WEST CENTRAL	596,000	592,000	247	238	147,200	140,900
BENTON	318,000	264,000	---	---	86,100	65,400
CARVER	56,000	54,000	---	---	13,400	13,300
KANDIYOHI	78,000	61,000	---	---	27,100	14,900
MCLEOD	64,000	71,000	---	---	15,400	17,600
MEEKER	615,000	646,000	---	---	147,700	159,700
MORRISON	723,000	768,000	---	---	173,700	189,900
RENVILLE	135,000	112,000	---	---	35,700	27,800
SCOTT	18,000	20,000	---	---	4,300	4,900
SHERBURNE	115,000	122,000	---	---	27,600	30,100
SIBLEY	764,000	791,000	---	---	179,200	195,400
STEARNS	629,000	588,000	---	---	151,100	144,900
TODD	57,000	49,000	---	---	14,700	12,100
WADENA	23,000	27,000	---	---	5,100	6,700
WRIGHT	209,000	189,000	---	---	52,900	46,800
CENTRAL	3,804,000	3,762,000	246	247	934,000	929,500

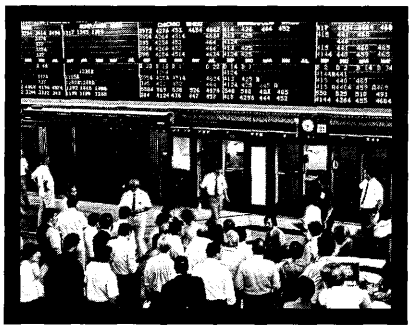
HENS AND PULLETS OF LAYING AGE, RATE OF LAY, EGG PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

DISTRICT AND COUNTY	ANNUAL AVERAGE HENS & PULLETS OF LAYING AGE		ANNUAL AVERAGE RATE OF LAY		TOTAL EGG PRODUCTION	
	1986	1987	1986	1987	1986	1987
	NUMBER		NUMBER		THOUSANDS	
AITKIN	15,000	15,000	---	---	3,700	3,600
ANOKA	6,000	6,000	---	---	1,400	1,500
CARLTON	3,000	3,000	---	---	700	700
CHISAGO	29,000	23,000	---	---	7,100	5,600
CROW WING	12,000	12,000	---	---	2,900	2,900
HENNEPIN	27,000	32,000	---	---	5,300	7,900
ISANTI	23,000	21,000	---	---	5,600	5,200
KANABEC	2,000	2,000	---	---	500	500
MILLE LACS	32,000	32,000	---	---	8,700	7,900
PINE	390,000	404,000	---	---	91,700	101,400
RAMSEY	1,000	1,000	---	---	200	200
WASHINGTON	35,000	30,000	---	---	8,500	7,400
EAST CENTRAL	575,000	581,000	237	249	136,300	144,800
COTTONWOOD	169,000	155,000	---	---	40,700	38,300
JACKSON	111,000	94,000	---	---	31,100	23,300
LINCOLN	12,000	12,000	---	---	3,000	2,800
LYON	89,000	85,000	---	---	22,400	20,700
MURRAY	70,000	61,000	---	---	17,300	15,000
NOBLES	155,000	145,000	---	---	37,500	35,700
PIPESTONE	26,000	28,000	---	---	6,100	6,800
REDWOOD	148,000	133,000	---	---	38,400	33,000
ROCK	54,000	56,000	---	---	12,500	13,700
SOUTHWEST	834,000	769,000	251	246	209,000	189,300
BLUE EARTH	42,000	56,000	---	---	5,400	13,900
BROWN	107,000	112,000	---	---	26,100	27,800
FARIBAULT	68,000	72,000	---	---	15,700	17,800
FREEBORN	324,000	344,000	---	---	77,400	85,400
LESUEUR	77,000	75,000	---	---	19,300	18,600
MARTIN	47,000	40,000	---	---	14,000	9,900
NICOLLET	189,000	220,000	---	---	38,200	54,600
RICE	143,000	118,000	---	---	42,800	29,200
STEELE	188,000	193,000	---	---	50,600	47,900
WASECA	23,000	25,000	---	---	5,700	6,200
WATONWAN	77,000	69,000	---	---	23,400	17,200
SOUTH CENTRAL	1,285,000	1,324,000	248	248	318,600	328,500
DAKOTA	47,000	45,000	---	---	11,700	11,100
DODGE	101,000	84,000	---	---	25,200	20,800
FILLMORE	110,000	99,000	---	---	31,400	24,600
GOODHUE	80,000	74,000	---	---	19,900	18,400
HOUSTON	26,000	20,000	---	---	6,500	5,000
MOWER	129,000	129,000	---	---	32,100	32,000
OLMSTED	22,000	19,000	---	---	5,500	4,700
WABASHA	130,000	130,000	---	---	32,400	32,300
WINONA	20,000	16,000	---	---	5,000	4,000
SOUTHEAST	665,000	616,000	255	248	169,700	152,900
MINNESOTA	9,387,000	9,175,000	246	247	2,312,000	2,263,000

SECTION 4

FARM PRICES





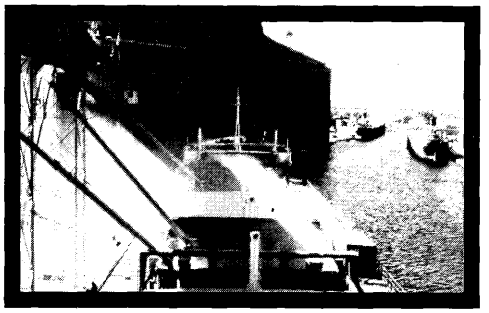
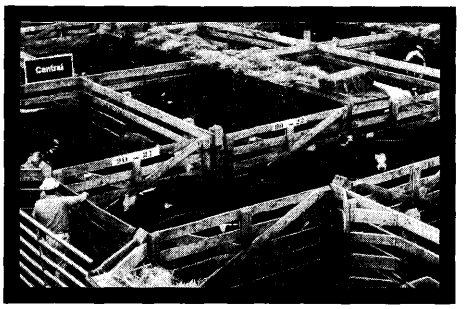


Photo by Janet Wieman



Crop Prices

The primary sources of the crop prices listed in the following tables are elevators and dealers which buy directly from farmers. The marketing year for different crops can be found in the footnotes following the tables.

The crop price index hit its lowest level in late 1986 and continued depressed through most of 1987. Prices began to rally late in 1987. Corn prices for February were the lowest since October 1986; the all wheat price for August was the lowest since August 1977; the July oat price was the lowest since October 1986; January flax prices were the lowest since November 1972; the soybean price of $4.52 for January was the lowest since October 1986; dry bean prices at $11.60 cwt. in August where the lowest since May 1983.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS

CORN 1/
(Dollars per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1983	2.12	2.34	2.54	2.73	2.84	2.85	2.93	3.14	3.19	2.99	2.99	2.97	3.06
1984	2.97	2.92	3.06	3.15	3.18	3.23	3.18	3.03	2.90	2.54	2.42	2.39	2.47
1985	2.45	2.45	2.53	2.59	2.57	2.54	2.51	2.38	2.24	2.10	2.11	2.15	2.05
1986	2.19	2.17	2.14	2.14	2.17	2.22	1.95	1.62	1.32	1.29	1.39	1.52	1.46
1987	1.41	1.32	1.51	1.45	1.62	1.59	1.51	1.39	1.43	1.45	1.45	1.59	1.55

SOYBEANS 3/
(Dollars per Bushel)

1983	5.28	5.45	5.65	5.89	5.94	5.79	6.18	7.42	8.05	7.85	7.75	7.52	7.70
1984	7.80	7.04	7.24	7.74	7.94	7.95	6.98	6.40	5.92	5.90	5.89	5.63	5.60
1985	5.53	5.52	5.60	5.69	5.54	5.50	5.30	4.99	4.92	4.72	4.82	4.94	4.98
1986	5.02	5.06	5.11	5.10	5.13	5.09	4.98	4.88	4.66	4.39	4.55	4.53	4.72
1987	4.52	4.61	4.61	4.78	5.08	5.09	5.19	4.92	4.82	4.86	5.74	5.37	5.70

SUNFLOWERS 3/
(Dollars per Cwt.)

1983	8.10	8.30	8.50	9.40	9.10	9.50	9.50	13.10	14.10	13.50	14.20	13.80	14.00
1984	13.60	12.90	14.50	15.60	17.10	17.90	18.00	4/	12.80	11.50	11.20	10.70	11.40
1985	12.20	11.60	11.90	12.10	12.30	11.20	11.20	9.80	4/	11.90	9.90	9.40	8.24
1986	8.63	8.27	7.72	7.28	6.70	7.64	6.92	5.91	9.40	7.23	6.65	6.85	7.11
1987	6.46	7.29	6.70	6.44	7 08	9.05	7.60	7.27	7.32	7.74	7.70	7.58	7.25

ALL WHEAT 5/
(Dollars per Bushel)

1983	3.41	3.41	3.63	3.81	3.91	3.91	3.94	3.83	3.79	3.82	3.83	3.80	3.83
1984	3.76	3.72	3.78	3.86	3.92	3.96	3.54	3.58	3.38	3.32	3.43	3.29	3.42
1985	3.19	3.30	3.37	3.49	3.45	3.36	3.11	2.78	2.78	2.92	3.01	3.24	3.00
1986	3.16	3.17	3.25	3.33	3.26	2.52	2.28	2.36	2.34	2.33	2.41	2.56	2.43
1987	2.56	2.60	2.59	2.55	2.41	2.35	2.29	2.23	2.41	2.58	2.58	2.59	2.51

OATS 5/
(Dollars per Bushel)

1983	1.42	1.40	1.41	1.45	1.46	1.41	1.38	1.39	1.50	1.69	1.63	1.66	1.57
1984	1.72	1.68	1.69	1.70	1.74	1.71	1.59	1.55	1.54	1.55	1.68	1.74	1.60
1985	1.69	1.71	1.70	1.63	1.52	1.46	1.28	1.14	1.06	1.06	1.09	1.19	1.17
1986	1.22	1.22	1.13	1.13	1.11	1.07	.86	.82	1.01	1.09	1.43	1.54	1.28
1987	1.57	1.44	1.41	1.68	1.51	1.40	1.27	1.38	1.50	1.55	1.46	1.71	1.45

1/ Marketing year, October through September. 2/ 1987 is preliminary. 3/ Marketing year, September through August. 4/ Volume of sales too small to make a price estimate. 5/ Marketing year, July through June.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS (CONT'D)

BARLEY 1/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1983	1.74	1.78	1.86	2.04	2.13	2.07	2.01	2.22	2.38	2.46	2.41	2.43	2.36
1984	2.39	2.37	2.39	2.45	2.48	2.53	2.29	2.11	1.92	2.00	1.96	1.86	2.08
1985	2.07	2.06	2.08	2.13	2.07	2.09	1.95	1.56	1.59	1.64	1.66	1.79	1.69
1986	1.86	1.76	1.78	1.90	1.63	1.50	1.26	1.10	1.21	1.39	1.53	1.51	1.47
1987	1.40	1.48	1.55	1.62	1.58	1.61	1.45	1.40	1.49	1.58	1.57	1.59	1.50

ALL HAY, BALED 3/
(Dollars Per Ton)

1983	74.00	71.00	70.00	74.00	77.00	63.00	60.00	65.00	66.00	66.00	75.00	56.00	61.00
1984	55.00	61.00	50.00	66.00	60.00	51.00	41.00	48.00	45.00	55.00	48.00	64.00	53.00
1985	57.00	55.00	54.00	47.00	57.00	57.00	63.00	68.00	61.00	63.00	65.00	64.00	67.00
1986	65.00	69.00	75.00	70.00	71.00	46.00	46.00	43.00	42.00	54.00	54.00	54.00	52.50
1987	58.00	53.00	56.00	57.00	57.00	57.00	65.00	64.00	64.00	64.00	59.00	63.00	63.00

ALFALFA HAY, BALED 3/
(Dollars Per Ton)

1983	80.00	76.00	75.00	80.00	81.00	68.00	63.00	69.00	70.00	70.00	80.00	62.00	4/
1984	59.00	68.00	54.00	71.00	64.00	53.00	45.00	51.00	48.00	59.00	50.00	63.00	4/
1985	60.00	61.00	58.00	51.00	60.00	60.00	72.00	74.00	67.00	67.00	67.00	71.00	4/
1986	74.00	75.00	79.00	77.00	72.00	48.00	50.00	45.00	43.00	56.00	55.00	58.00	4/
1987	62.00	56.00	60.00	60.00	62.00	62.00	67.00	69.00	67.00	69.00	67.00	67.00	4/

ALL OTHER HAY, BALED 3/
(Dollars Per Ton)

1983	48.00	49.00	53.00	55.00	57.00	45.00	49.00	44.00	49.00	52.00	59.00	48.00	4/
1984	41.00	42.00	43.00	46.00	44.00	43.00	28.00	23.00	33.00	46.00	34.00	45.00	4/
1985	38.00	41.00	35.00	36.00	42.00	41.00	49.00	52.00	48.00	48.00	48.00	49.00	4/
1986	52.00	52.00	54.00	53.00	50.00	39.00	32.00	35.00	38.00	44.00	45.00	44.00	4/
1987	41.00	37.00	42.00	40.00	41.00	41.00	47.00	51.00	48.00	48.00	48.00	46.00	4/

FLAXSEED 1/
(Dollars Per Bushel)

1983	4.77	4.55	4.70	4.70	4.38	5.10	5.03	6.40	6.94	7.37	6.58	6.47	6.68
1984	6.84	6.84	7.24	6.90	5/	7.06	5/	6.15	5.69	5.70	6.24	6.00	5.95
1985	5/	6.43	6.41	6.85	7.13	6.50	5.99	6.19	5.15	5.16	4.72	4.62	4.95
1986	4.63	4.76	4.95	4.87	4.52	4.61	3.93	3.59	3.56	3.42	3.45	3.37	3.39
1987	2.94	3.00	2.96	3.13	3.74	2.95	3.37	3.43	3.08	3.03	3.25	3.40	3.30

POTATOES
(Dollars Per Cwt.)

1983	3.80	3.90	3.80	4.60	4.50	3.80	4.60	8.30	5.10	3.65	5.80	4.30	5.55
1984	4.80	5.70	5.50	5.80	6.10	6.50	10.00	10.00	4.15	3.90	4.50	4.40	5.10
1985	4.90	5.05	5.55	5.10	5.20	5/	3.00	3.00	2.80	3.05	3.00	3.45	2.95
1986	3.20	3.10	2.85	2.55	3.10	5/	6.75	6.75	3.55	3.30	4.35	4.60	4.50
1987	4.80	4.80	5.10	5.40	5.90	5/	8.00	3.55	3.10	3.20	3.35	3.60	3.60

1/ Marketing year, July through June. 2/ 1987 is preliminary. 3/ Marketing year, June through May.
4/ Not available. 5/ Volume of sales too small to make a price estimate.

Livestock, Dairy, 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, the South St. Paul market, 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 1987 annual average price for hogs increased 2% from 1986. Prices for sheep were 3% higher, beef cattle increased 18% and calves were 34% higher. Wool prices were up 27%. The 1987 annual average price for lambs increased 9%. Table market eggs were 11% lower.

The 1987 annual average price for all milk was 1 cent higher than a year earlier. Manufacturing grade milk was down 3 cents and grade A milk was up 1 cent.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK

BEEF CATTLE 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1983	46.20	48.40	50.70	51.40	53.40	51.70	48.40	47.10	45.60	42.90	43.50	42.60	47.60
1984	43.80	49.20	51.20	51.70	50.90	49.80	48.70	48.80	48.00	43.50	46.50	50.50	48.60
1985	52.80	54.10	52.90	51.80	52.00	50.70	45.90	45.70	44.80	47.20	50.70	48.10	49.60
1986	49.10	47.90	48.00	45.60	48.60	47.60	49.50	51.30	51.40	50.90	51.70	49.00	49.20
1987	52.50	54.70	56.20	59.90	61.00	61.10	58.50	58.50	61.20	58.60	57.10	58.00	58.10

STEERS AND HEIFERS
(Dollars Per Cwt.)

1983	52.20	54.90	57.50	58.50	58.30	56.60	54.00	52.50	51.40	49.80	50.50	52.50	54.10
1984	55.30	58.50	57.80	57.00	55.30	53.50	55.00	55.30	53.60	49.60	54.10	57.00	55.10
1985	58.60	59.40	57.10	55.60	54.60	53.60	48.60	48.30	48.30	52.30	57.10	56.30	53.90
1986	55.30	52.70	52.00	50.20	51.90	51.00	54.10	56.50	56.70	56.10	58.10	56.70	54.30
1987	56.20	59.00	60.10	63.60	65.30	65.60	63.10	63.20	65.30	63.50	62.30	62.90	62.50

COWS 2/
(Dollars Per Cwt.)

1983	36.20	39.90	41.60	41.80	43.10	41.90	40.50	38.10	36.80	35.40	32.80	32.40	37.90
1984	34.30	39.40	42.20	41.70	41.50	41.00	38.80	38.10	35.50	36.00	34.00	34.00	37.90
1985	37.30	39.90	39.90	39.10	39.00	37.70	35.40	35.40	34.30	33.30	32.10	31.50	35.80
1986	34.10	35.50	36.70	34.40	36.60	37.00	36.30	35.60	36.20	35.80	33.90	34.40	35.40
1987	38.90	40.30	42.60	42.60	41.50	43.00	43.30	43.40	44.70	43.20	43.00	44.60	42.60

CALVES
(Dollars Per Cwt.)

1983	59.00	63.50	66.90	64.10	64.00	68.50	63.10	58.30	55.70	52.20	53.90	53.50	59.70
1984	56.30	57.20	57.10	57.90	56.00	61.80	58.20	53.00	54.80	53.70	50.20	55.30	55.60
1985	56.70	59.70	57.10	57.80	58.60	60.50	52.50	52.30	54.60	53.20	53.30	51.20	55.40
1986	53.90	56.90	55.20	51.90	55.40	58.40	53.00	58.10	62.50	60.40	62.20	61.20	58.30
1987	67.10	70.50	70.10	73.60	76.50	80.60	78.00	86.10	85.80	82.10	79.70	81.60	78.30

1/ "Cows" and "Steers and Heifers" combined.
2/ Beef cows sold for slaughter and herd replacement, and cull dairy cows sold for slaughter.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK (CONT'D)

HOGS 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1983	55.60	56.30	50.30	47.50	46.30	44.00	43.60	47.50	44.60	42.00	37.60	45.00	46.90
1984	48.20	45.80	46.60	48.00	47.60	49.90	52.80	50.60	46.30	43.60	46.70	49.00	47.50
1985	48.20	48.40	43.70	41.20	41.50	44.90	46.20	42.30	39.90	43.50	43.70	45.50	44.40
1986	44.50	42.70	41.00	40.20	46.90	54.40	60.40	63.70	59.70	53.70	53.10	51.20	50.70
1987	47.30	48.30	48.90	51.40	55.30	60.70	61.30	59.80	54.30	48.80	40.60	41.00	51.80

SHEEP
(Dollars Per Cwt.)

1983	18.40	19.50	18.00	14.10	12.70	11.20	15.10	14.00	11.40	11.40	12.10	14.10	14.10
1984	16.20	15.90	18.10	14.60	13.00	12.70	14.80	14.60	14.50	13.20	14.50	17.50	14.70
1985	22.30	24.80	20.70	19.40	19.70	19.30	22.20	21.40	23.60	22.80	24.30	25.30	21.70
1986	29.20	25.80	21.70	21.50	23.60	22.00	23.60	23.80	24.20	23.00	23.80	24.90	23.80
1987	26.80	26.70	25.20	23.40	22.20	21.20	22.70	25.20	24.80	24.00	25.90	30.10	24.60

LAMBS
(Dollars Per Cwt.)

1983	55.60	59.80	62.80	60.60	62.40	53.40	51.60	49.20	49.80	53.20	55.70	59.20	56.00
1984	60.80	61.00	58.30	62.10	63.20	59.40	60.00	61.80	63.80	63.80	65.80	63.40	62.10
1985	64.00	68.70	70.30	68.90	70.90	71.70	72.80	70.90	69.70	66.90	66.80	63.60	68.80
1986	65.60	69.80	65.10	72.30	79.10	74.30	72.10	69.10	64.40	60.20	68.40	74.10	69.10
1987	77.50	77.70	80.40	85.00	88.10	80.60	74.50	72.60	71.10	68.00	66.20	74.10	75.60

WOOL
(Cents Per Pound)

1983	39	44	37	35	35	37	37	37	39	39	43	46	39
1984	45	47	50	56	61	57	59	57	54	52	52	55	54
1985	50	50	46	42	46	39	39	40	42	45	38	46	44
1986	43	42	43	44	46	48	47	45	45	47	47	48	45
1987	50	50	53	55	57	57	56	50	65	54	61	68	57

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

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR MILK AND MILK COWS

ALL MILK
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1983	13.17	13.08	13.00	12.97	12.87	12.73	12.64	12.60	12.89	13.19	13.29	12.91	12.94
1984	12.76	12.64	12.62	12.57	12.52	12.40	12.47	12.62	13.19	13.50	13.62	13.32	12.82
1985	13.11	12.89	12.58	12.08	11.83	11.56	11.33	11.46	11.73	12.04	12.06	12.00	12.05
1986	11.78	11.65	11.54	11.45	11.37	11.26	11.29	11.70	12.31	12.67	12.94	12.75	11.85
1987	12.47	11.97	11.72	11.60	11.48	11.39	11.43	11.65	12.12	12.37	12.26	11.98	11.86

FLUID MARKET MILK
(Dollars Per Cwt.)

1983	13.39	13.29	13.22	13.17	13.06	12.93	12.84	12.80	13.10	13.42	13.48	13.17	13.15
1984	13.02	12.88	12.87	12.83	12.78	12.67	12.73	12.86	13.40	13.74	13.86	13.56	13.08
1985	13.36	13.13	12.77	12.30	12.02	11.70	11.51	11.65	11.92	12.22	12.24	12.21	12.24
1986	11.99	11.86	11.74	11.64	11.56	11.47	11.50	11.90	12.53	12.90	13.18	12.98	12.07
1987	12.69	12.24	11.96	11.82	11.70	11.61	11.63	11.85	12.32	12.59	12.46	12.18	12.08

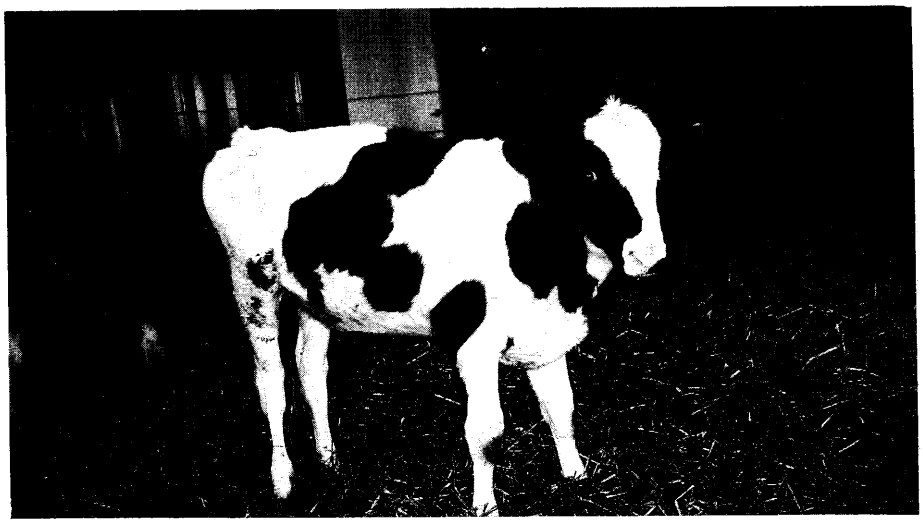
MANUFACTURING GRADE MILK
(Dollars Per Cwt.)

1983	12.79	12.72	12.64	12.64	12.58	12.42	12.32	12.27	12.54	12.79	12.94	12.46	12.59
1984	12.31	12.21	12.20	12.15	12.07	12.00	12.02	12.18	12.80	13.04	13.13	12.83	12.37
1985	12.63	12.41	12.20	11.66	11.47	11.28	10.96	11.07	11.34	11.63	11.65	11.52	11.65
1986	11.31	11.20	11.11	11.04	10.96	10.83	10.82	11.26	11.80	12.10	12.34	12.16	11.35
1987	11.91	11.33	11.16	11.08	10.97	10.90	10.97	11.17	11.61	11.82	11.75	11.44	11.32

MILK COWS 1/
(Dollars Per Head)

1983	1,000	--	--	1,020	--	--	1,040	--	--	930	--	--	1,000
1984	850	--	--	910	--	--	890	--	--	830	--	--	870
1985	790	--	--	820	--	--	785	--	--	730	--	--	780
1986	680	--	--	750	--	--	780	--	--	760	--	--	745
1987	760	--	--	850	--	--	850	--	--	870	--	--	835

1/ Milk cows sold for dairy herd replacement only.



MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR POULTRY

TURKEYS
(Cents Per Pound - Liveweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1983	31.0	31.0	32.0	31.0	32.0	35.0	32.0	31.0	35.0	35.0	35.0	43.0	34.0
1984	45.0	40.0	40.0	44.0	41.0	41.0	42.0	44.0	44.0	49.0	54.0	57.0	46.0
1985	54.0	41.0	39.0	38.0	38.0	40.0	42.0	46.0	50.0	55.0	56.0	56.0	48.0
1986	33.0	37.0	37.0	38.0	41.0	47.0	47.0	49.0	48.0	49.0	48.0	37.0	45.0
1987	31.0	33.0	34.0	33.0	34.0	33.0	32.0	31.0	28.0	29.0	32.0	35.0	32.0

TABLE MARKET EGGS 1/
(Cents Per Dozen)

1983	40.0	41.0	44.0	43.0	48.0	46.0	42.0	49.0	52.0	58.0	63.0	72.0	47.0
1984	85.0	80.0	65.0	79.0	57.0	46.0	45.0	44.0	44.0	44.0	46.0	46.0	59.0
1985	35.0	34.0	42.0	40.0	35.0	37.0	37.0	42.0	48.0	49.0	51.0	50.0	41.0
1986	48.0	45.0	53.0	42.0	41.0	35.0	41.0	47.0	46.0	41.0	51.0	50.0	45.1
1987	46.0	43.0	40.0	39.0	34.0	37.0	36.0	33.0	42.0	34.0	41.0	29.0	40.0

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

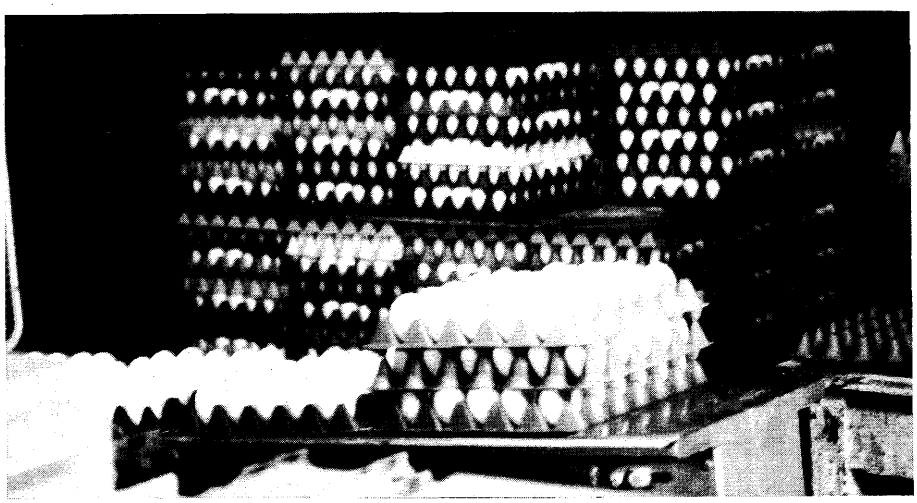
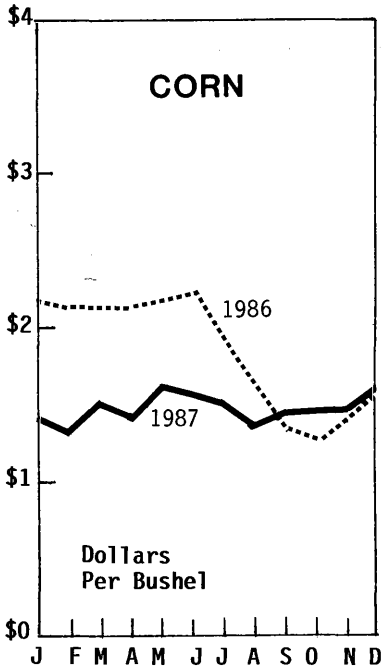
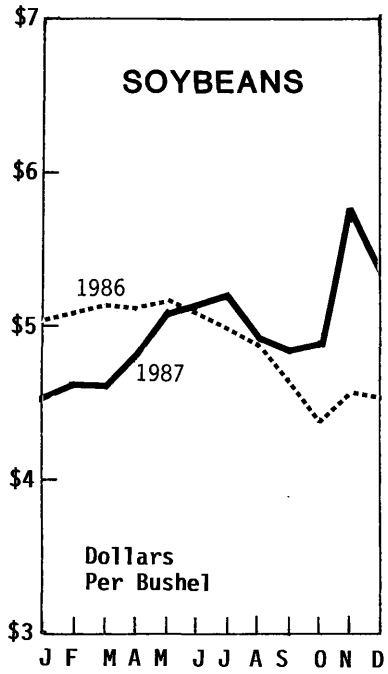
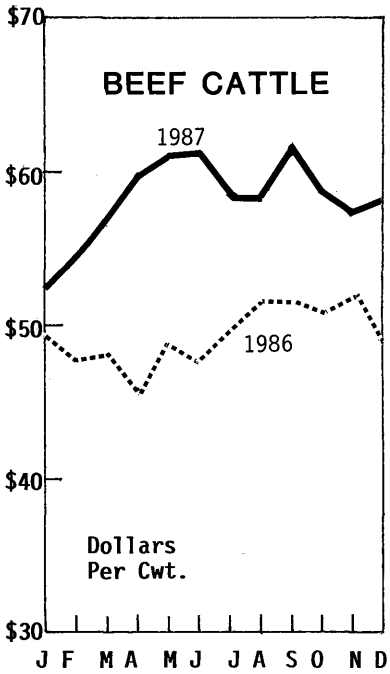


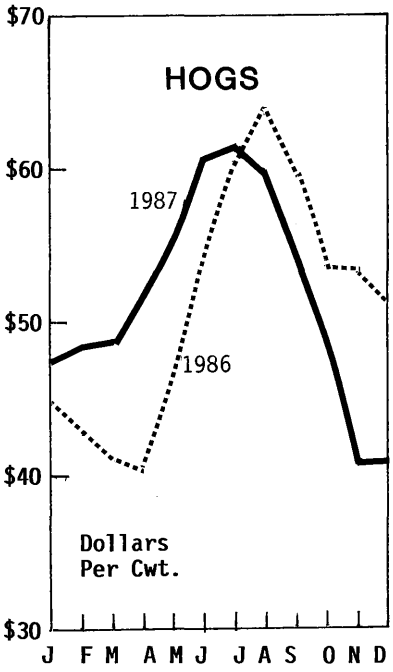
Photo by Janet Wieman

MINNESOTA PRICES RECEIVED

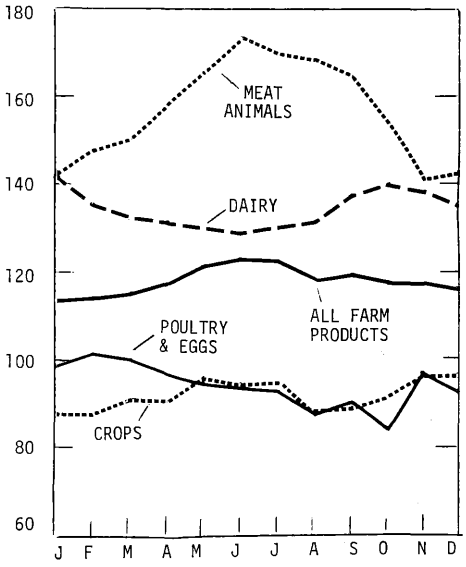








PRICES RECEIVED:
MONTHLY INDEXES, 1987
(1977-100)



~Index~

Apples 9, 27
Assets, Farm 12
Barley:
  Acreage, Yield, Production 20, 23, 50
  Cash Receipts 9
  Marketings 28
  Planting & Harvesting 58, 59-60
  Prices 21, 23, 92
  Rank of Important States & Counties 4-5
  Records Set 21
  Stocks 21, 29
  Value 23
Beans, Dry Edible:
  Acreage, Yield, Production 20, 26, 54
  Cash Receipts 9
  Prices 26
  Rank of Important States & Counties 4-5
  Value 26
Butter 4, 80, 81
Carrots 27
Cash Receipts:
  County Totals 10-11
  Individual Commodities 9
  Rank of Important States & Counties 4-5
  Summary 8
Cattle & Calves:
  Calf Crop 63, 66, 67
  Cash Receipts 9, 67
  Farm/Retail Spread 14
  Farms With Cattle & Calves 63
  Geographic Distribution 72
  Marketings 67
  Number -
    On Farms 63, 65, 66, 67, 68-69
    On Feed 64, 66, 67, 68-69
  Prices 67, 93, 97
  Rank of Important States & Counties 4-5
  Records Set 64
  Slaughter 65, 67, 79
  Value 63, 66, 67
Cheese 4, 80, 81
Chickens:
  Broilers 9, 85, 86
  Cash Receipts 9
  Hatchery Production 85, 86, 87
  Number 66, 85, 86, 87, 88-89
  Rank of Important States & Counties 4-5
  Records Set 64
  Value 66, 85, 86
Climatic Summary 16-18
Corn:
  Acreage, Yield,
    Production 20, 22, 23, 32-33, 34-35
  Cash Receipts 9
  Geographic Distribution 31
  Marketings 28
  Planting & Harvesting 58
  Prices 21, 23, 91, 97
  Rank of Important States & Counties 4-5
  Records Set 21
  Stocks 21, 29
  Value 23
  (See Also Sweet Corn for Proc. & Silage Corn)
Cows:
  Farms With Cows 63
  Number 65, 66, 70-71, 81, 82-83, 84
  Prices 92, 95
  Rank of Important States & Counties 4-5
Cows (Cont'd):
  Records Set 64
  Value 66
  (See Also Dairy, Cattle)
Crops (See Specific Commodity)
Crop Assets 12
Cropland Planted As Percent
  of Total Land In County 30, 32-33
Dairy:
  Cash Receipts 9, 80
  Chart Summary 84
  Farm/Retail Spread 14
  Income 80
  Manufacturing Products 80
  Prices 95
  Rank of Important States & Counties 4-5
  (See Also Individual Commodities)
Debt, Farm 12
Eggs:
  Cash Receipts 9
  Farm/Retail Spread 14
  Geographic Distribution 73
  Prices 85, 96
  Production 85, 86, 87, 88-89
  Rank of Important States 4-5
  Value 85, 86
Equity, Farm 12
Expenses, Farm Production 8
Exports 4, 15
Farmers' Share of Food Dollar 13, 14
Farms:
  Number, Land in Farms, Average Size 6
  Rank of Important States 4
Fertilizer Use 61
Financial Assets 12
Flaxseed:
  Acreage, Yield, Production 20, 24, 51
  Cash Receipts 9
  Marketings 28
  Planting & Harvesting 58
  Prices 21, 24, 92
  Rank of Important States & Counties 4-5
  Records Set 21
  Stocks 21
  Value 24
Food, Marketing & Farmers Share 13, 14
Food Costs 13, 14
Frost Dates 17
Government Payments 5, 8, 10-11
Grains:
  Marketings by Months 28
  Stocks 29
  (See Also Specific Commodities)
Greenhouse & Nursery 9
Harvesting Dates 58, 60
Hay:
  Acreage, Yield, Production 25, 46-49
  Cash Receipts 9
  Marketings 28
  Harvesting Dates 58
  Prices 25, 92
  Rank of Important States 4
  Records Set 21
  Stocks 29
  Value 25
Hogs:
  Cash Receipts 9, 75
  Farm/Retail Spread 14
  Farms With Hogs 63
  Farrowings 63, 74, 76-77
  Geographic Distribution 72

Hogs (Cont'd):
Marketings 74, 75
Number 63, 64, 66, 74, 76-77
Pig Crop 63, 64, 74, 75, 76-77
Prices 75, 94, 97
Rank of Important States & Counties 4-5
Records Set 64
Slaughter 65, 74, 75, 79
Value 63, 66, 75
Honey 4, 9
Ice Cream 4, 80
Income, Farm
Cash Receipts 8, 9, 10-11
Income per Farm 8
Rank of Important States & Counties 4-5
Summary 8
(See Also Specific Commodity)
Land, Farm Value 7
Land in Farms 6
Livestock (See Specific Kinds)
Livestock Assets 12
Machinery Assets 12
Marketing Share of Food Dollar 13, 14
Milk:
Chart Summary 84
Disposition 80
Geographic Distribution 84
Milkfat 81
Non-Fat Dry Milk 80
Prices 95
Production 80, 81, 82-83
Products Manufactured 80
Rank of Important States & Counties 4-5
Records Set 64
Value & Income 80
Mink 4, 75
Oats:
Acreage, Yield, Production 20, 23, 44-45
Cash Receipts 9
Geographic Distribution 31
Marketings 28
Planting & Harvesting 58
Prices 21, 23, 91
Rank of Important States & Counties 4-5
Records Set 21
Stocks 21, 29
Value 23
Onions 27
Peas, Green for Processing 4-5, 9, 27, 57
Pigs (See Hogs)
Planting & Harvesting Dates 58, 59
Potatoes:
Acreage, Yield, Production 26, 53
Cash Receipts 9
Prices 26, 92
Rank of Important States & Counties 4-5
Value 26
Poultry (See Specific Kind)
Precipitation 16, 18
Prices:
Received by Farmers 91-97
(See Also Specific Commodity)
Production Expenses 8
Rank of Important Counties 5
Rank of Important States 4
Real Estate Assets, Debt 12
Red Meat Production 4
Rice, Wild 61
Rye:
Acreage, Yield, Production 20, 23, 52
Cash Receipts 9
Planting & Harvesting 58
Prices 21, 23
Rye (Cont'd):
Rank of Important States & Counties 4-5
Records Set 21
Stocks 21
Value 23
Sheep & Lambs:
Cash Receipts 9
Farms With Sheep 63
Geographic Distribution 73
Lamb Crop 66, 78
Marketings 78
Number 63, 65, 66, 68-69, 78
Number Shorn for Wool 78
Prices 78, 94
Rank of Important States & Counties 4-5
Records Set 64
Slaughter 78, 79
Value 63, 66, 78
Silage Corn 23, 36-37
Soybeans:
Acreage, Yield, Production 20, 23, 38-39
Cash Receipts 9
Geographic Distribution 31
Marketings 28
Planting & Harvesting 58, 59-60
Prices 21, 23, 91, 97
Rank of Important States & Counties 4-5
Records Set 21
Share Of World Trade 15
Stocks 21, 29
Value 23
Sugarbeets:
Acreage, Yield, Production 20, 24, 53
Cash Receipts 9
Planting & Harvesting 58, 59-60
Prices 24
Rank of Important States & Counties 4-5
Records Set 21
Value 24
Sunflowers:
Acreage, Yield, Production 20, 25, 55
Cash Receipts 9
Planting & Harvesting 58
Prices 25, 91
Rank of Important States & Counties 4-5
Records Set 21
Value 25
Sweet Corn for Processing 4-5, 9, 27, 56
Temperatures 16-18
Turkeys:
Cash Receipts 9
Hatchery Production 85, 87
Numbers 85, 86
Prices 85, 96
Rank of Important States 4
Records Set 64
Value 85, 86
Weather Summary 16-18
Wheat:
Acreage, Yield, Production 20, 24, 40-43
Cash Receipts 9
Geographic Distribution 31
Marketings 28
Planting & Harvesting 58, 59-60
Prices 21, 24, 91
Rank of Important States & Counties 4-5
Records Set 21
Share Of World Trade 15
Stocks 21, 29
Value 24
Wild Rice 61
Wool 9, 94
World Food Costs 13

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