

Minnesota

Agriculture

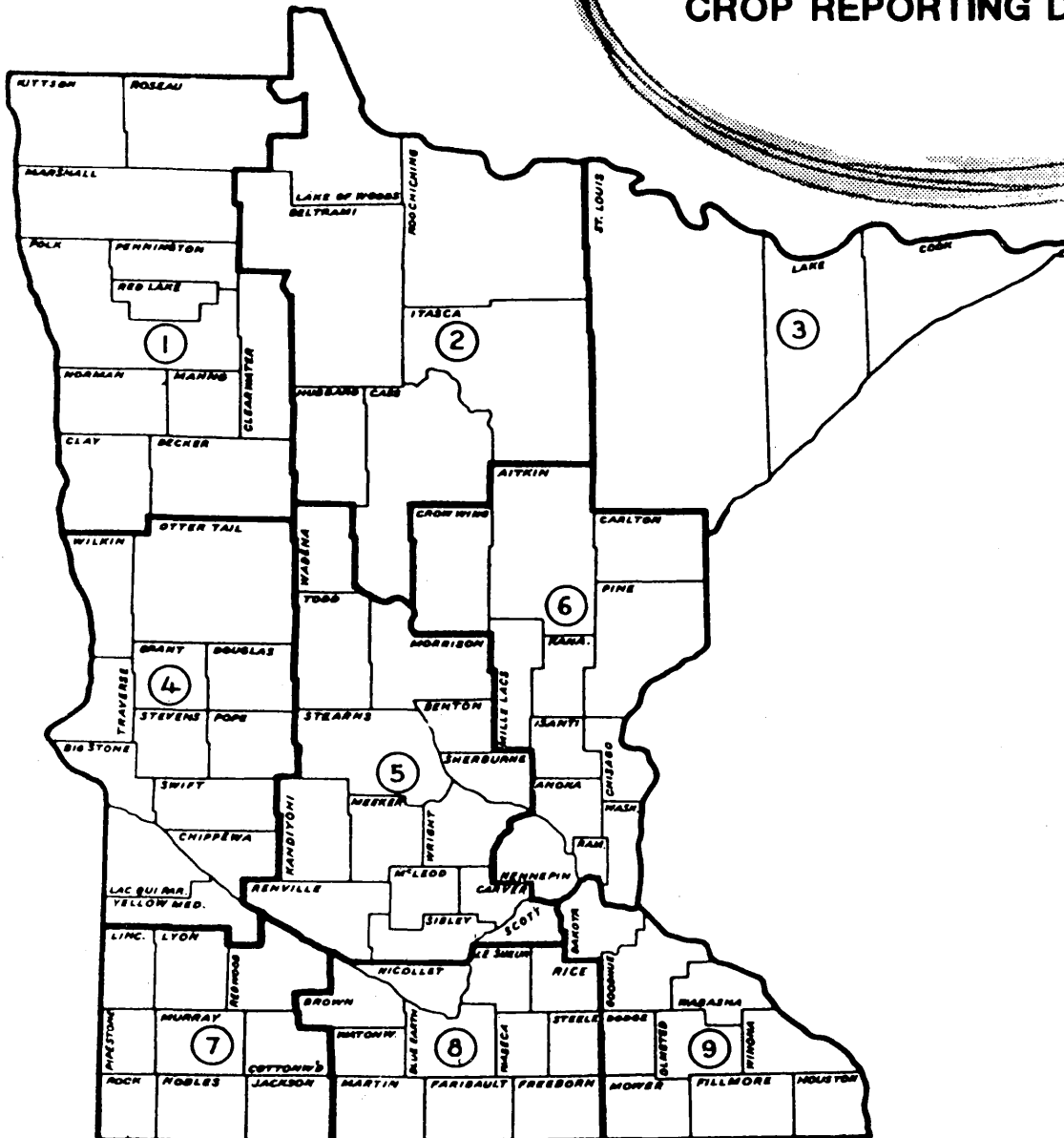
Statistics



1987

MINNESOTA'S

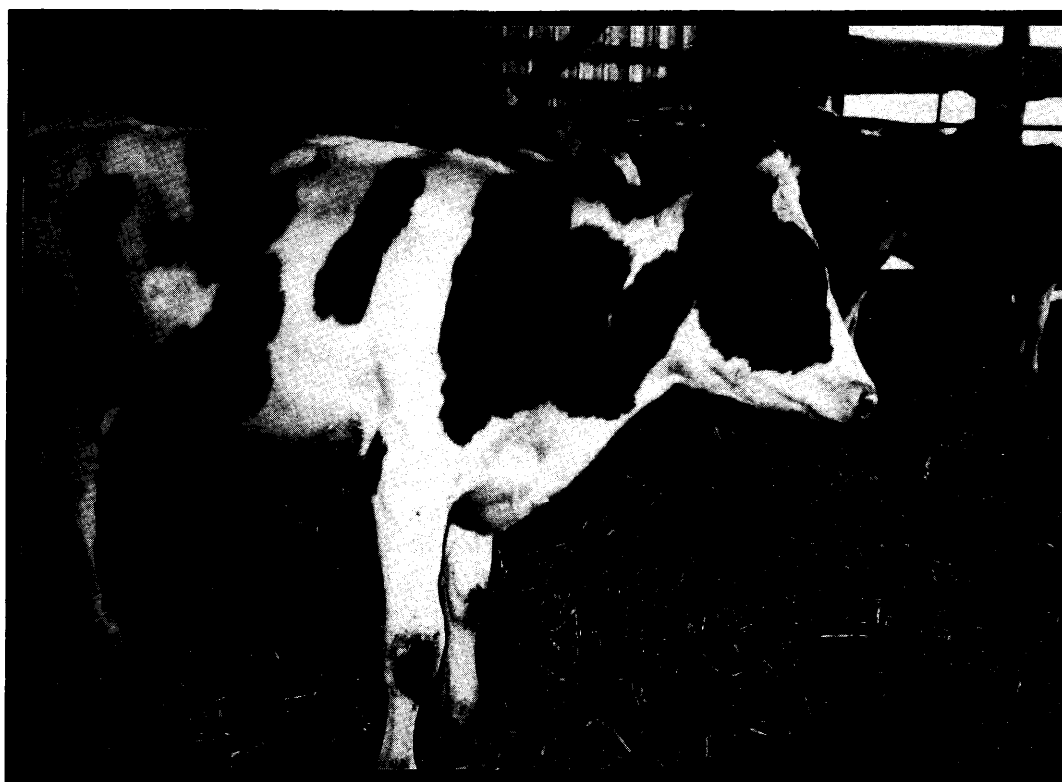
CROP REPORTING DISTRICTS



Cover Photo:
Dairy Calf, by Linda Wright, USDA
Earl & Janet Wieman Farm
Arlington, Minnesota

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Minnesota
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Minnesota & United States
Department of Agriculture

P. O. Box 7068
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St. Paul, Minn. 55107

July 1987

~Foreword~



STATE OF MINNESOTA
DEPARTMENT OF AGRICULTURE
OFFICE OF THE COMMISSIONER

"Change" continues to be the buzzword in agriculture. Once again, Minnesota farm numbers have dropped -- from 96,000 in 1985 to 93,000 in 1986. Land values also continued their downhill slide. Grain supplies continue large while foreign buyers are not as plentiful. Many dairy farmers made an exit from the industry under the Dairy Termination Program. On the plus side, Minnesota hog producers saw prices reach record levels last summer and some semblance of profitability has returned to the livestock industry.

Farm policy took center stage over the past few years but the focus now has changed to the international trade markets and removing trade barriers with other countries. Lowering price supports may improve the ability of U.S. farm products to compete in the international markets but trade barriers certainly negate that ability. Hopefully, the coming year will see some positive steps taken to further improve our access to world markets.

Minnesota continues to regard her agriculture as a prime economic industry in the state; this is best demonstrated by the number of jobs and dollars generated throughout the state's industry by the 93,000 farms which produce our crops and livestock. We may be fewer in number but we still generate the same level of economic activity.

The annual MINNESOTA AGRICULTURAL STATISTICS publication is a working tool for producers and those involved in the "ripple" industries that farming generates. It's also a valuable tool for educational organizations such as extension and ag vo-tech, as well as legislators and others who are concerned with farm policy.

The Minnesota Department of Agriculture is dedicated to providing such service to our clientele on an ongoing basis. Please let us know if we can be of assistance.

A handwritten signature in cursive script that reads "Jim Nichols".

Jim Nichols, Commissioner
Minnesota Department of Agriculture

Once again, this issue of MINNESOTA AGRICULTURAL STATISTICS comes from the best possible source -- Minnesota farmers and agribusinesses. It's a compilation of information we've gathered throughout the year and summarized in this report.

We continue to fine-tune our survey methods so that the information we provide to our clientele is getting better all the time. With fewer farms in the state, producers are more and more dependent on accurate sources of information for making decisions. "Information" is just as important an input on today's farms as feed, fertilizer, machinery, etc.

A special thanks to all the producers and agribusinesses who voluntarily provided information on their operations over the past year. That cooperation enables us to provide ALL of agriculture with sound, reliable information.

Production assistance on this year's book was provided by Linda Wright, editor/photography; Cec Foss and Aggie Moser, Crops; Sy Phillippi and Eileen Thurman, Livestock; and Jane O'Keefe, Word Processing. Also, thanks to Earl and Janet Wieman of Arlington and Dan and Sandy Hunz of Maple Plain for giving us the opportunity to photograph their farms for this issue.

A handwritten signature in cursive script that reads "Carroll Rock".

Carroll Rock
State Statistician



MINNESOTA
AGRICULTURAL
STATISTICS
SERVICE

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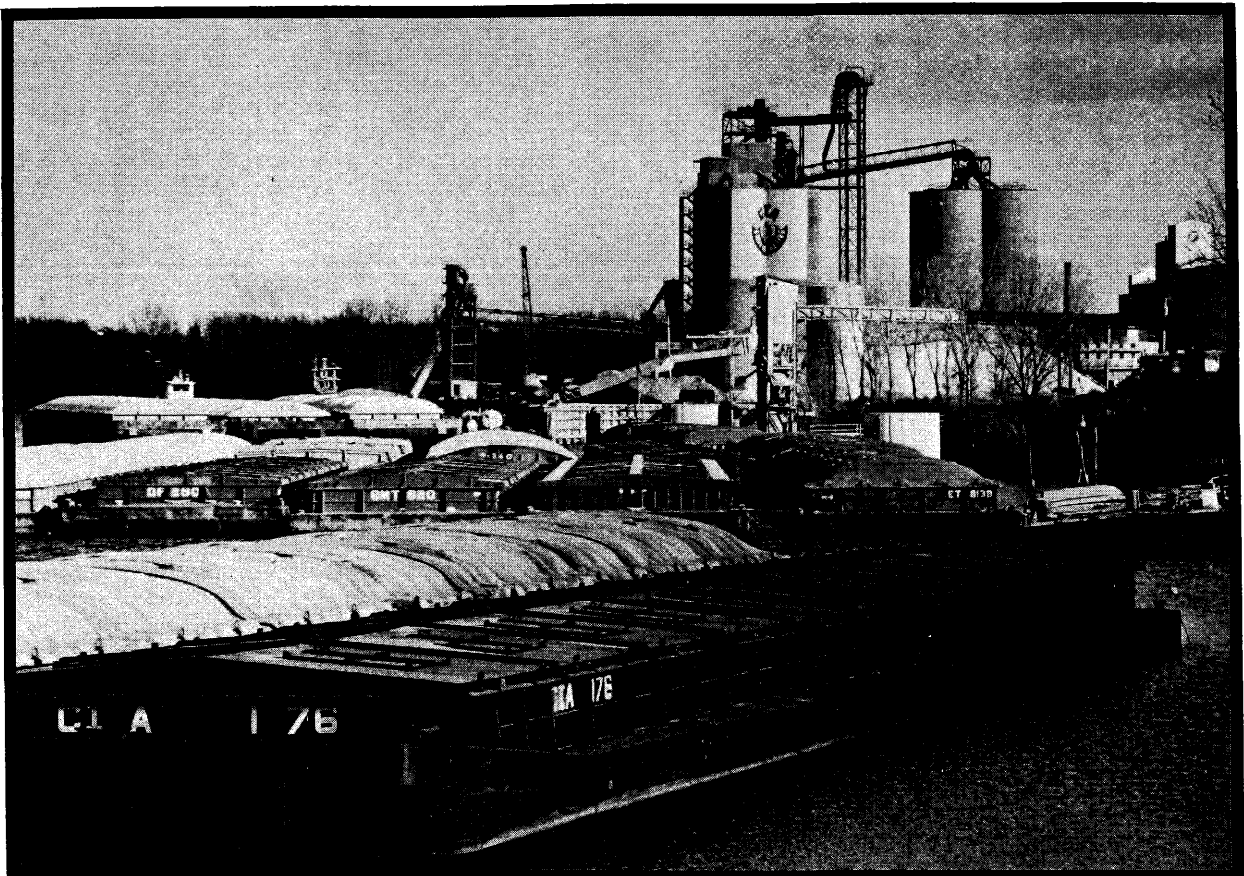
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SECTION 1



**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, 1986.....	TX	MO	IA	KY	TN	MN	OH	IL	WI	CA
Cash Farm Receipts, 1986:										
Total.....	CA	IA	TX	NE	IL	MN	KS	WI	FL	IN
Crops.....	CA	IL	IA	FL	TX	NE	MN	IN	OH	KS
Livestock & Livestock Products.....	TX	IA	CA	NE	WI	MN	KS	PA	IL	CO
Crop Production, 1986:										
Corn.....	IA	IL	NE	MN	IN	OH	WI	MO	MI	SD
Soybeans.....	IL	IA	MO	MN	IN	OH	NE	AR	KS	MS
All Wheat.....	KS	ND	OK	MT	TX	WA	SD	MN	CO	ID
Other Spring Wheat.....	ND	MN	MT	SD	ID	WA	OR	CO	UT	WY
Oats.....	WI	SD	MN	ND	IA	NE	MI	PA	IL	NY
Barley.....	ND	MT	ID	MN	WA	SD	CA	CO	OR	UT
All Sunflowers.....	ND	SD	MN	TX	--	--	--	--	--	--
All Hay.....	WI	MN	SD	CA	IA	TX	NE	KS	MO	MI
All Potatoes.....	ID	WA	OR	ND	ME	CO	WI	CA	MN	MI
Sugarbeets.....	MN	CA	ID	ND	MI	NE	MT	WY	CO	TX
Flaxseed.....	ND	SD	MN	--	--	--	--	--	--	--
Rye.....	SD	ND	GA	MN	NE	OK	MI	PA	NC	NY
Sweet Corn for Processing.....	MN	WI	OR	WA	IL	ID	NY	MD	DE	PA
Green Peas for Processing.....	WI	MN	WA	OR	NY	DE	--	--	--	--
Dry Edible Beans.....	ND	NE	CA	ID	MI	CO	MN	WA	WY	NY
Livestock, Dairy, Poultry:										
Red Meat Production, 1986.....	KS	IA	NE	TX	IL	MN	CO	CA	WI	SD
Cattle & Calves, Jan. 1, 1987	TX	KS	NE	OK	CA	IA	MO	WI	SD	MN
Milk Cows, Jan. 1, 1987 1/.....	WI	CA	NY	MN	PA	MI	OH	TX	IA	KY
Cattle & Calves on Feed, Jan.1, 1987 2/.....	TX	NE	KS	CO	IA	IL	CA	AZ	MN	SD
Cattle & Calves Marketed, 1986	TX	NE	KS	CO	OK	IA	CA	MO	MN	SD
Hogs, December 1, 1986.....	IA	IL	MN	IN	NE	MO	NC	OH	SD	KS
Pig Crop, 1986.....	IA	IL	MN	IN	NE	MO	NC	OH	SD	WI
Hogs Marketed, 1986.....	IA	IL	IN	MN	NE	MO	NC	OH	SD	KS
Stock Sheep & Lambs, Jan.1, 1987 3/.....	TX	CA	WY	SD	MT	NM	UT	CO	OR	IA
Lamb Crop, 1986 4/.....	TX	CA	SD	WY	MT	UT	CO	IA	ID	NM
All Chickens, December 1, 1986 5/.....	CA	IN	GA	AR	PA	NC	OH	TX	AL	FL
Eggs Produced, Dec.1985-Nov.1986 5/.....	CA	IN	PA	GA	OH	AR	NC	TX	AL	FL
Turkeys Raised During 1986.....	NC	MN	CA	AR	VA	MO	IN	PA	IA	WI
Milk Production, 1986.....	WI	CA	NY	MN	PA	MI	OH	TX	IA	WA
Dairy Products Manufactured During 1986										
Total Cheese.....	WI	MN	NY	CA	IA	PA	MO	ID	SD	OH
American Cheese.....	WI	MN	CA	IA	ID	SD	NY	MO	ND	ID
Butter.....	WI	CA	MN	WA	PA	NY	MI	MO	OH	KS
Nonfat Dry Milk.....	CA	MN	WI	IA	MI	NY	OH	ND	--	--
Ice Cream.....	CA	PA	TX	NY	OH	MA	MN	FL	MI	IL
Mink, 1985.....	WI	MN	UT	ID	WA	OR	IL	MI	IA	PA
Agricultural Exports, Fiscal 1986.....	CA	IL	IA	KS	NE	TX	MN	IN	ND	OH

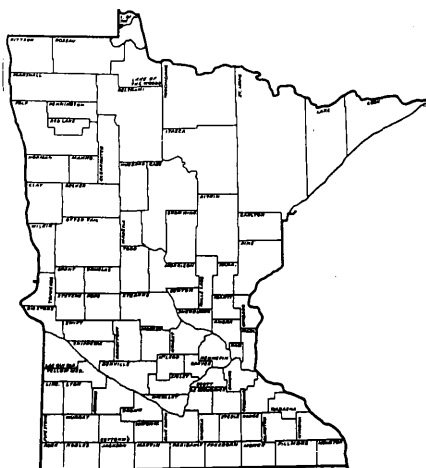
1/ MI & OH tied for 6th.

2/ MN & SD tied for 9th.

3/ MN ranked 15th.

4/ MN ranked 13th.

5/ MN ranked 11th.



County Rankings

MINNESOTA'S LEADING AGRICULTURAL COUNTIES

ITEM	1	2	3	4	5	6	7	8	9	10
1984 CASH FARM RECEIPTS:										
Total.....	Stearns	Polk	O.Tail	Renville	Martin	Freeborn	Kandiyohi	Faribault	Redwood	Fillmore
Crops.....	Polk	Renville	Faribault	Martin	Freeborn	B. Earth	Redwood	Clay	Marshall	Jackson
Livestock.....	Stearns	O. Tail	Fillmore	Kandiyohi	Goodhue	Morrison	Winona	Todd	Nooles	Meeker
Government Payments..	Polk	Marshall	Kittson	Norman	Roseau	Clay	Pennington	Stearns	Red Lake	O. Tail
1986 CROP PRODUCTION:										
Corn for Grain.....	Faribault	Jackson	Freeborn	Renville	Martin	Redwood	Fillmore	Mower	Blue Earth	Cottonwood
Soybeans.....	Martin	Renville	Redwood	Blue Earth	Faribault	Jackson	Cottonwood	Mower	Yellow Med.	Murray
All Wheat.....	Polk	Marshall	Kittson	Norman	Roseau	Clay	Wilkin	L.Q.Parle	O. Tail	Traverse
Oats.....	O. Tail	Stearns	Fillmore	Goodhue	Winona	Douglas	Dodge	Wabasha	Olmsted	Becker
Barley.....	Polk	Marshall	Kittson	Clay	Roseau	Norman	Wilkin	Mahnomen	Pennington	Becker
Sugarbeets.....	Polk	Clay	Norman	Wilkin	Renville	Marshall	Chippewa	Kittson	Grant	Kandiyohi
Sunflowers.....	Polk	Marshall	Pennington	Red Lake	Norman	Roseau	Clay	Kittson	Clearwater	Mahnomen
Rye.....	Sherburne	O. Tail	Stearns	Douglas	Benton	Isanti	Big Stone	Chisago	Anoka	Wright
Flax.....	Marshall	Kittson	Roseau	Polk	Pennington	Mahnomen	Red Lake	O. Tail	Lk. of Woods	Lincoln
Dry Edible Beans.....	Polk	Marshall	O.Tail	Hubbard	Renville	Swift	Grant	Clay	Benton	Stevens
All Hay.....	O.Tail	Stearns	Fillmore	Goodhue	Todd	Morrison	Winona	Wabasha	Olmsted	Pine
Potatoes.....	Polk	Marshall	Sherburne	Clay	Freeborn	Kittson	Hennepin	Norman	Lk. of Woods	Anoka
Sweet Corn.....	Renville	Dodge	Faribault	Goodhue	Sibley	McLeod	Mower	Wabasha	Brown	Redwood
Green Peas.....	Renville	Faribault	Mower	Brown	Goodhue	Redwood	Nicollet	Sibley	Wabasha	Dodge
LIVESTOCK, DAIRY AND POULTRY:										
Cattle & Calves, Jan. 1, 1987.....	Stearns	O.Tail	Fillmore	Goodhue	Winona	Todd	Morrison	Houston	Olmsted	Wabasha
Beef Cows, Jan. 1, 1987	Fillmore	O.Tail	Houston	Olmsted	Cass	Polk	Beltrami	Roseau	Pine	Clearwater
Milk Cows, Jan. 1, 1987.....	Stearns	O.Tail	Todd	Morrison	Goodhue	Winona	Wright	Fillmore	Wabasha	Carver
Milk Prod., 1986.....	Stearns	O.Tail	Morrison	Todd	Goodhue	Winona	Wright	Wabasha	Fillmore	Carver
Stock Sheep & Lambs Jan. 1, 1987 1/.....	Renville	Fillmore	O.Tail	Pipestone	Nobles	Cottonwd	Lyon	Goodhue	Freeborn/Kandi	Murray/Roseau
Hogs, Dec.1,1986 ...	Martin	Nobles	Jackson	Fillmore	Freeborn	Mower	B. Earth	Redwood	Renville	Stearns
Pig Crop, 1986.....	Martin	Stearns	Fillmore	Nobles	Mower	Freeborn	Renville	Jackson	Redwood	B. Earth
Hens & Pullets 1986.	Sibley	Morrison	Stearns	Meeker	Clay	Clearwtr	Pine	Benton	Freeborn	Wright
Cattle & Calves on Feed, Jan.1, 1987 2/	Rock	Cottonwood	Dakota	Murray	Stevens	Redwood	Stearns	Fillmore	Lincoln	Nobles

1/ Lyon and Goodhue tied for 7th; Freeborn, Kandiyohi, Murray, & Roseau tied for 9th place.

2/ Lincoln and Nobles tied for 9th place.

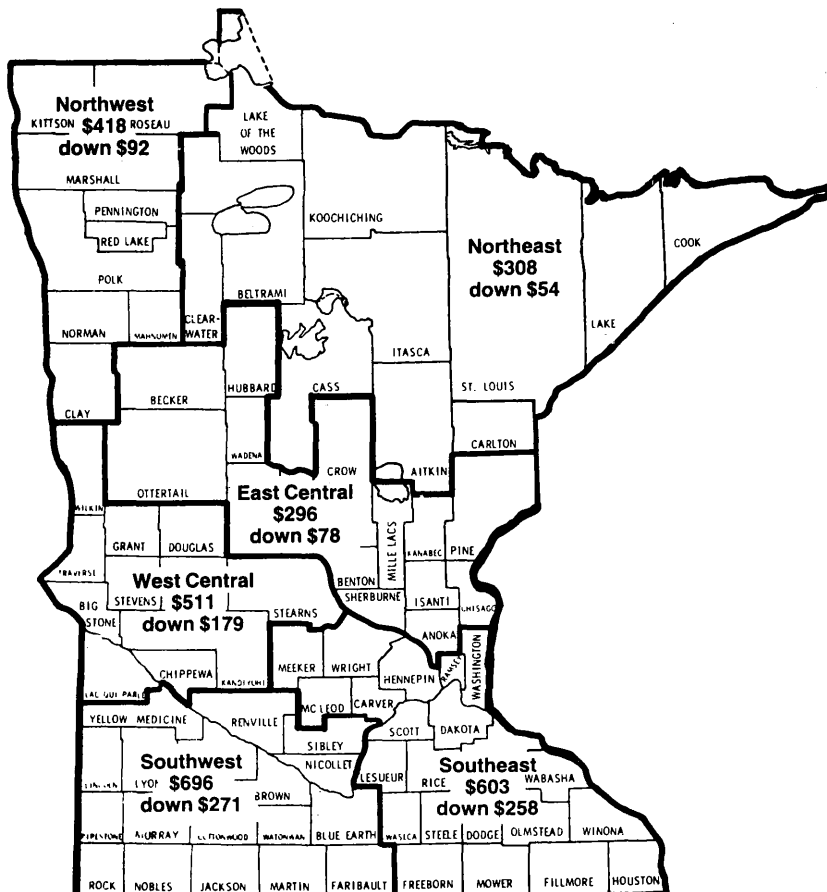
Land Values

ESTIMATED LAND VALUES PER ACRE IN 1986 AND CHANGE FROM 1985 (Excluding Hennepin and Ramsey Counties. Based on reported estimates of average value per acre of farmland for the first 6 months of 1986.)*

The value of Minnesota farm real estate fell in 1986 for the 5th consecutive year. Average estimated value of farmland for the first half of 1986 was \$515 per acre, 25% lower than the same period the previous year and the lowest since 1974. This continues a trend consisting of declines of 10% from 1981-82, 10% from 1982-83, 13% from 1983-84, and 25% from 1984-85. In current dollars, prices and values have not yet fallen to the 1972 "pre-boom" levels of \$248/acre.

When real estate values are adjusted for inflation, the average value of \$515 in current dollars is \$158 in constant (1967) dollars. To find a constant dollar value below the 1986 level, it's necessary to go back to 1956 when the constant dollar price was \$155.

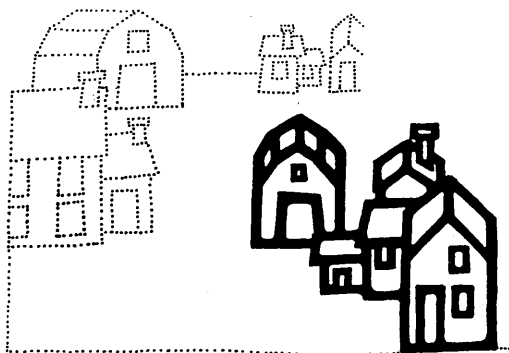
Dividing Minnesota into 6 districts (see map), estimated values fell by between 15% and 30% in each district. Of the 6 regions, the southeast had the largest decline (30%) while the northeast had the smallest (15%). The most valuable farmland is still in the southwest district.



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
% Change 1985/1986	-30%	-28%	-26%	-21%	-18%	-15%	-25%

*From MINNESOTA AGRICULTURAL ECONOMIST, January 1987, Agricultural Extension Service, University of Minnesota, St. Paul, MN 55108, "The Minnesota Rural Real Estate Market In 1986", by James Hagen and Philip Raup.



Farm Numbers

FARM NUMBERS DROP SHARPLY

Minnesota recorded a drop of 3,000 farms between 1985 and 1986. All states surrounding Minnesota also showed some decline in farm numbers from 1985 to 1986.

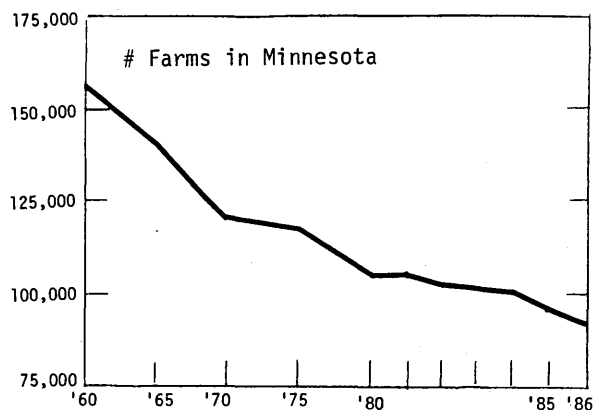
Since 1980, Minnesota farms have declined from 104,000 to 93,000, a loss of 11,000 farms. This compares with farm losses of 11,000 for Wisconsin, 10,000 for Iowa, 19,000 for Illinois, 8,000 for Nebraska, and somewhat lesser amounts for the Dakotas.

The number of farms in the United States in 1986 was estimated at 2.21 million, down 3% from the 2.28 million in 1985 and down 9% from the 2.43 million in 1980.

Total land in U.S. farms for 1986 is 1,007 million acres, down 1 percent from a year earlier and down 3.1% from 1980. Land in farms has declined every year since reaching its peak at 1,206 million acres in 1954.

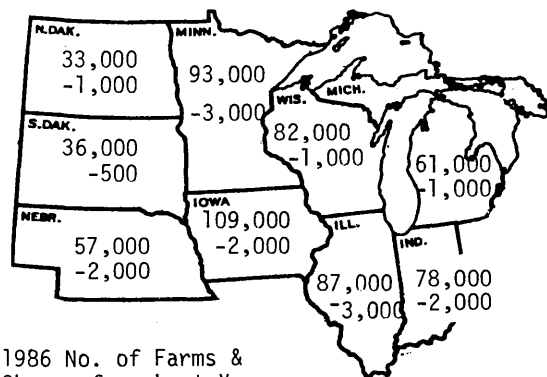
Minnesota Loses

8,000 Farms In 2 Years



Over 15,000 Farms Lost

In These States Over Past Year



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

Year	Number of Farms	Land In Farms	Average Size of Farms
	Number	Thousand Acres	Acres
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

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

Farm Income



The data in the tables below are from accounting methods for farm income developed by USDA's Economic Research Service. The current series is not directly comparable with earlier years.

Despite a 6% decline in farm production expenses, Minnesota's total net farm income dropped 14% from 1984-85, according to the Minnesota Agricultural Statistics Service.

Total gross farm income for 1985 dropped 7% to \$7.31 billion. When production expenses of \$6.15 billion were subtracted out, state farmers were left with a net income of \$1.16 billion.

This averages out to a net of \$12,098 per farm, down 9% from 1984. The average did not drop as great as the aggregate total because the total is spread over fewer farms. (Minnesota lost 5,000 farms from 1984-85.)

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-----								
1981	6,656.3	79.1	568.9	62.3	170.9	7,537.5	6,519.8	1,017.6
1982	6,590.9	182.9	596.0	138.0	-112.8	7,395.0	6,589.4	805.6
1983	6,373.9	611.7	531.4	131.6	-858.5	6,790.1	6,544.5	245.6
1984	6,088.4	529.9	508.3	116.9	625.3	7,868.9	6,522.0	1,346.9
1985	6,471.7	480.1	391.5	192.7	-228.2	7,307.8	6,146.3	1,161.4
1986 4/	5,856.8	-----	-----	-----	-----	-----	-----	-----

1/ Includes value of home consumption and rental value of housing.

2/ Includes income from custom work, machine hire, recreation, sale of forest products.

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.

NOTE: Details may not add to totals because of rounding.

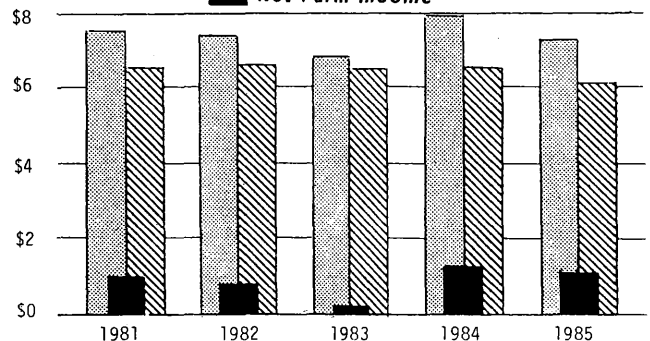
MINNESOTA FARM PRODUCTION EXPENSES AND INCOME

AVERAGE INCOME PER MINNESOTA FARM 1/

Year	Number Of Farms	Total Gross Farm Income	Farm Production Expenses	Total Net Farm Income
	000	--Dollars--		
1981	104	72,476	62,290	9,785
1982	103	71,796	62,690	7,821
1983	102	66,570	64,162	2,408
1984	101	77,910	64,574	13,336
1985	96	76,123	64,024	12,098

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

BIL. DOLS.



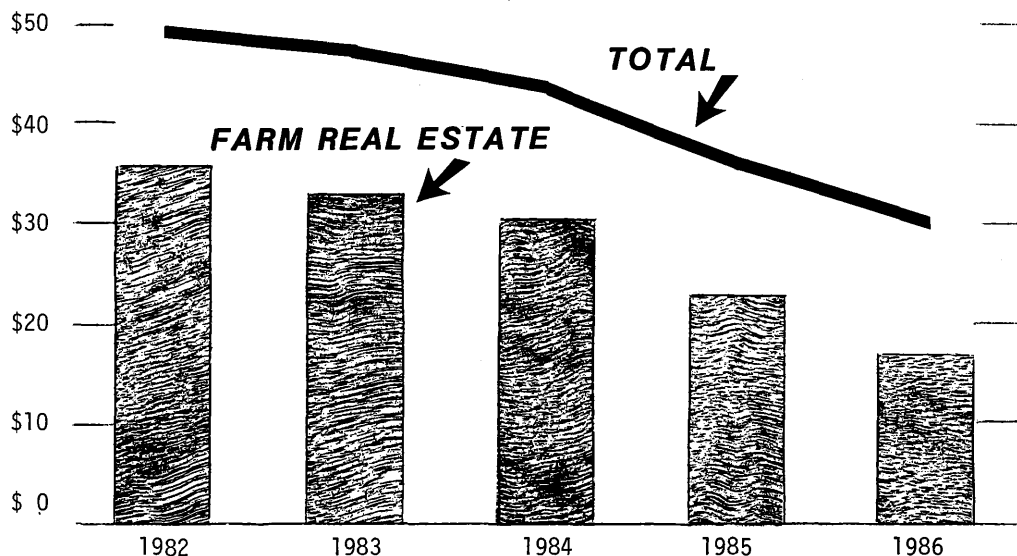
MINNESOTA'S FARM BALANCE SHEET (EXCLUDING FARM HOUSEHOLDS) 1/

Item	1982	1983	1984	1985	1986 2/
- Million Dollars -					
Total Farm Assets	49,501.8	46,954.8	43,982.6	36,259.9	29,890.2
Real estate 3/	35,839.8	32,842.4	30,546.9	23,225.7	17,204.6
Livestock & poultry 4/	2,414.0	2,200.8	2,011.1	1,996.4	1,511.8
Machinery & motor vehicles 5/	6,350.8	6,505.0	6,408.4	5,874.3	5,687.8
Crops 6/	3,111.7	3,395.9	2,875.3	2,984.3	3,393.5
Financial assets	1,785.6	2,010.8	2,140.9	2,179.3	2,092.4
Total Farm Debt	10,145.5	11,434.4	11,168.5	11,065.9	10,755.7
Real estate debt 7/	4,998.3	5,257.7	5,442.7	5,377.5	5,091.3
Nonreal estate debt 8/	4,114.3	4,537.8	4,586.8	4,591.4	3,958.4
CCC loans 9/	1,033.0	1,639.0	1,139.0	1,097.0	1,706.0
Equity	39,356.3	35,520.3	32,814.1	25,194.0	19,134.5
- Ratios -					
Equity/assets	79.5	75.6	74.6	69.5	64.0
Debt/equity	25.8	32.2	34.0	43.9	56.2
Debt/assets, total	20.5	24.4	25.4	30.5	36.0
Debt/assets, real estate	13.9	16.0	17.8	23.2	29.6
Debt/assets, nonreal estate & CCC	37.7	43.8	42.6	43.6	44.7
Returns to operator/total debt 10/	8.8	5.5	.7	10.4	9.9
1/ December 31 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 crops held on farms including crops under CCC and crops held off farms by farm operators. 7/ Excludes debt on operator dwellings. 8/ Excludes debt for nonfarm purposes. 9/ Nonrecourse CCC loans secured by crops plus storage and drying facilities owned by farmers. 10/ Total debt in this ratio is an average for the year.					

MINNESOTA FARM ASSETS

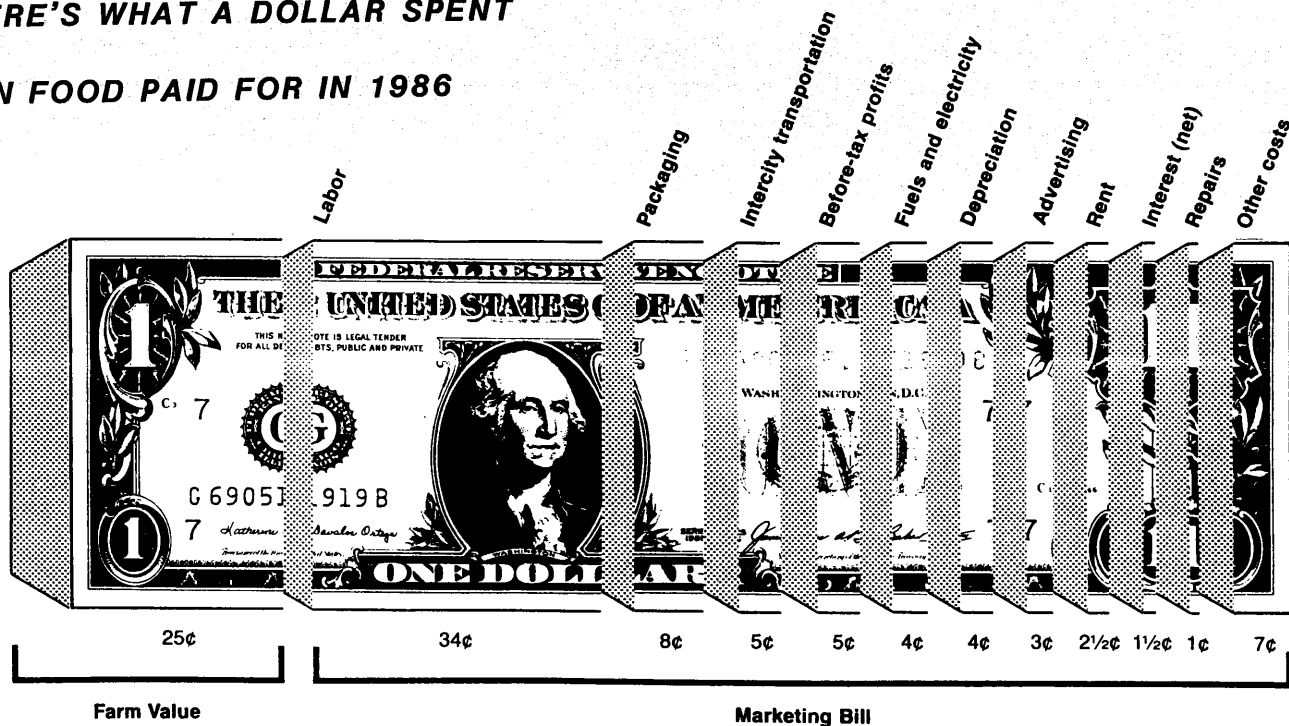
(December 31 previous year)

(Bil. \$)



HERE'S WHAT A DOLLAR SPENT

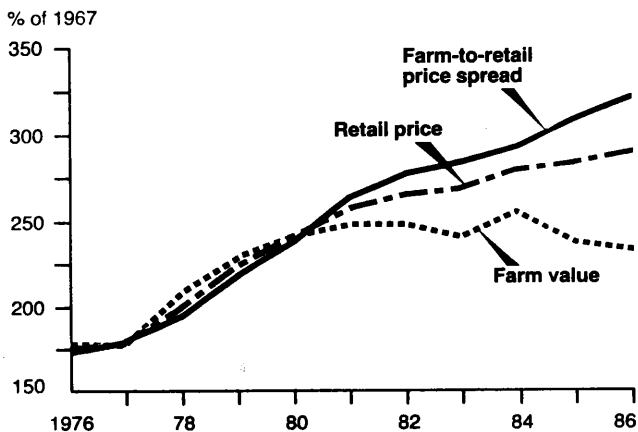
ON FOOD PAID FOR IN 1986



Includes food at home and away from home. Other costs include property taxes and insurance, accounting and professional services, promotion, bad debts, and many miscellaneous items.

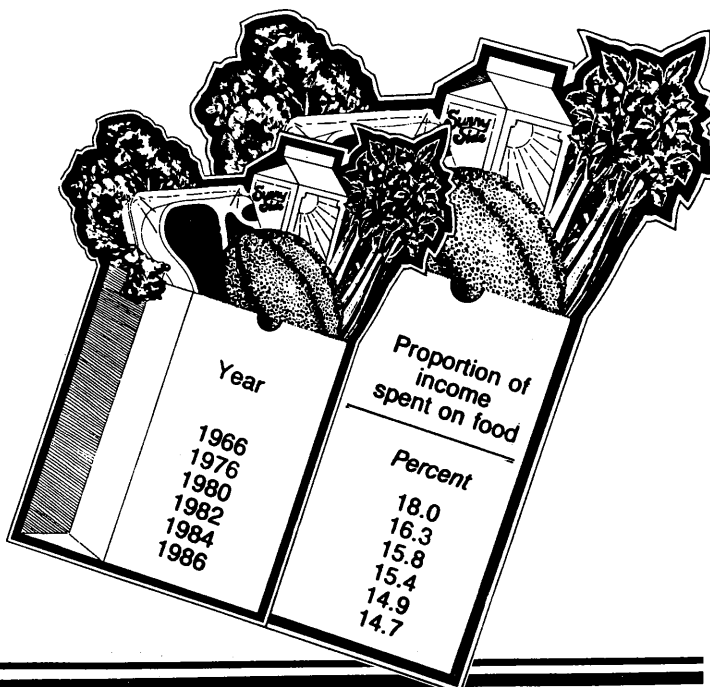


FARM-RETAIL PRICE SPREAD WIDENS



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

CONSUMERS SPEND LESS OF THEIR INCOME ON FOOD



MINNESOTA CASH RECEIPTS RECEIVED BY FARMERS, BY COUNTY

District and County	1983				1984			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousand Dollars				Thousand Dollars			
Becker	19,168	41,482	6,655	67,305	17,985	42,662	8,590	69,237
Clay	84,180	20,667	16,740	121,587	77,921	21,853	20,996	120,770
Clearwater	6,888	13,889	833	21,610	6,502	14,816	1,508	22,826
Kittson	51,015	5,249	15,881	72,145	47,102	5,181	32,350	84,633
Mahnomen	10,953	9,348	5,568	25,869	10,119	9,058	7,700	26,877
Marshall	90,160	11,265	26,272	127,697	72,756	11,094	47,117	130,967
Norman	66,688	14,272	17,126	98,086	61,589	13,803	29,904	105,296
Pennington	22,363	10,636	6,835	39,834	20,646	11,163	13,414	45,223
Polk	159,020	30,073	31,909	221,002	135,774	30,374	50,144	216,292
Red Lake	17,397	8,711	5,178	31,286	16,066	8,405	10,378	34,849
Roseau	39,664	19,798	8,820	68,282	36,624	20,796	22,748	80,168
Northwest	567,496	185,390	141,817	894,703	503,084	189,205	244,849	937,138
Beltrami	6,336	12,974	1,011	20,321	5,918	12,484	1,780	20,182
Cass	3,071	12,131	419	15,621	2,856	11,804	1,165	15,825
Hubbard	5,669	6,143	690	12,502	5,859	6,175	653	12,687
Itasca	2,242	5,400	110	7,752	2,161	5,313	426	7,900
Koochiching	1,234	3,589	196	5,019	1,151	3,676	434	5,261
Lake of the Woods	4,297	2,825	1,099	8,221	3,992	2,791	2,322	9,105
North Central	22,849	43,062	3,525	69,436	21,937	42,243	6,780	70,960
Northeast	4,247	10,684	379	15,310	4,013	10,899	731	15,643
Big Stone	24,633	18,410	7,008	50,051	22,768	18,357	5,386	46,511
Chippewa	58,594	21,877	10,487	90,958	54,140	21,514	3,727	79,381
Douglas	11,583	42,685	3,513	57,781	10,798	41,155	3,091	55,044
Grant	34,984	18,478	8,406	61,868	32,358	18,264	4,740	55,362
Lac Qui Parle	46,715	30,093	11,996	88,804	43,135	30,277	5,938	79,350
Otter Tail	40,215	120,155	9,465	169,835	37,259	119,807	8,984	166,050
Pope	25,376	39,431	7,558	72,365	24,203	37,807	4,453	66,463
Stevens	34,249	42,508	9,094	85,851	31,659	42,718	6,329	80,706
Swift	55,838	33,608	15,430	104,876	51,773	36,352	6,785	94,910
Traverse	36,842	10,018	7,652	54,512	34,014	9,895	6,987	50,896
Wilkin	58,838	9,271	10,890	78,999	54,389	9,239	8,270	71,898
Yellow Medicine	61,032	39,028	13,694	113,754	56,366	39,002	5,131	100,499
West Central	488,899	425,562	115,193	1,029,654	452,862	424,387	69,821	947,070
Benton	6,197	46,524	1,844	54,565	5,839	48,008	3,782	57,629
Carver	10,921	57,927	1,751	70,599	10,559	54,746	2,471	67,776
Kandiyohi	48,860	89,471	11,275	149,606	45,775	99,780	7,675	153,230
McLeod	35,536	56,447	5,511	97,494	33,776	54,026	3,593	91,395
Meeker	35,315	66,060	7,125	108,500	33,151	68,932	5,353	107,436
Morrison	9,147	83,377	2,754	95,278	8,509	84,645	4,193	97,347
Renville	118,452	49,476	15,258	183,186	111,197	49,367	4,153	164,717
Scott	16,023	33,810	2,318	52,151	15,197	32,227	2,456	49,880
Sherburne	17,199	19,232	1,827	38,258	16,730	20,544	1,417	38,691
Sibley	50,427	68,720	7,242	126,389	47,516	68,437	4,072	120,025
Stearns	22,869	196,961	6,715	226,545	21,388	197,244	11,493	230,125
Todd	11,813	79,726	2,419	93,958	10,918	77,957	4,589	93,464
Wadena	3,833	25,124	1,068	30,025	3,640	26,559	1,732	31,931
Wright	20,893	64,836	2,819	88,548	19,848	62,055	4,178	86,081
Central	407,485	937,691	69,926	1,415,102	384,043	944,527	61,157	1,389,727

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

District and County	1983				1984			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousand Dollars				Thousand Dollars			
Aitkin	6,335	14,001	204	20,540	5,897	14,683	794	21,374
Anoka	11,969	8,590	1,018	21,577	15,413	9,032	532	24,977
Chisago	7,661	24,658	1,878	34,197	7,947	24,364	1,417	33,728
Crow Wing	2,284	15,963	501	18,748	2,245	17,703	1,006	20,954
Hennepin	15,461	22,981	877	39,319	18,518	21,960	1,034	41,512
Isanti	9,313	19,050	2,953	31,316	8,711	19,370	1,916	29,997
Kanabec	3,528	22,707	735	26,970	3,262	21,544	2,113	26,919
Mille Lacs	4,151	30,961	917	36,029	3,843	29,660	3,096	36,599
Pine	5,532	36,508	1,006	43,046	5,237	35,584	2,320	43,141
Washington	16,294	15,823	1,569	33,686	20,037	15,533	930	36,500
Selected Counties	5,476	12,640	254	18,370	7,641	12,033	694	20,368
East Central	88,004	223,882	11,912	323,798	98,751	221,466	15,852	336,069
Cottonwood	66,150	62,882	12,022	141,054	61,158	63,752	4,062	128,972
Jackson	76,111	67,973	12,408	156,492	70,298	67,793	3,833	141,924
Lincoln	18,316	38,557	5,920	62,793	16,917	37,926	3,464	58,307
Lyon	48,086	66,831	10,935	125,852	44,432	67,465	4,849	116,746
Murray	44,077	63,977	9,817	117,871	40,702	63,482	3,777	107,961
Nobles	60,127	77,004	9,807	146,938	55,648	77,092	4,569	137,309
Pipestone	19,871	43,097	5,084	68,052	18,359	42,338	2,115	62,812
Redwood	88,005	63,489	15,646	167,140	81,856	63,167	4,455	149,478
Rock	31,371	64,889	8,157	104,417	29,295	64,700	3,313	97,308
Southwest	452,114	548,699	89,796	1,090,609	418,665	547,715	34,437	1,000,817
Blue Earth	88,319	51,298	13,287	152,904	82,122	50,775	3,891	136,788
Brown	55,700	56,556	7,312	119,568	52,304	56,056	3,623	111,983
Faribault	98,453	55,878	15,694	170,025	91,894	55,835	4,733	152,462
Freeborn	87,979	69,095	15,653	172,727	82,389	68,582	7,723	158,694
Le Sueur	37,791	41,306	5,151	84,248	35,295	40,148	3,606	79,049
Martin	91,942	66,004	15,890	173,836	85,707	65,935	7,390	159,032
Nicollet	46,340	45,882	6,622	98,844	43,375	44,710	3,111	91,196
Rice	30,238	62,961	6,057	99,256	28,336	62,927	3,548	94,811
Steele	41,075	42,605	7,489	91,169	38,845	41,794	3,984	84,623
Waseca	50,965	32,592	10,051	93,608	47,744	31,518	4,339	83,601
Watsonwan	53,334	34,990	8,835	97,159	49,792	34,468	2,925	87,185
South Central	682,136	559,167	112,041	1,353,344	637,803	552,748	48,873	1,239,424
Dakota	38,900	39,336	5,942	84,178	42,688	38,269	3,611	84,568
Dodge	41,631	49,620	7,089	98,340	40,524	49,558	5,013	95,095
Fillmore	34,994	106,972	11,757	153,723	32,555	104,970	7,267	144,792
Goodhue	38,751	92,400	8,373	139,524	37,183	88,946	7,660	133,789
Houston	9,436	67,115	2,577	79,128	8,855	65,001	3,225	77,081
Mower	65,461	63,847	14,698	144,006	61,683	62,901	6,225	130,809
Olmsted	33,010	69,408	8,955	111,373	32,004	68,414	4,982	105,400
Wabasha	17,658	64,172	4,011	85,841	17,312	61,451	4,080	82,843
Winona	14,958	81,532	3,741	100,231	14,405	78,961	5,345	98,711
Southeast	294,799	634,402	67,143	996,344	287,209	618,471	47,408	953,088
***Minnesota	3,008,029	3,568,539	611,732	7,188,300	2,808,367	3,551,661	529,908	6,889,936

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.

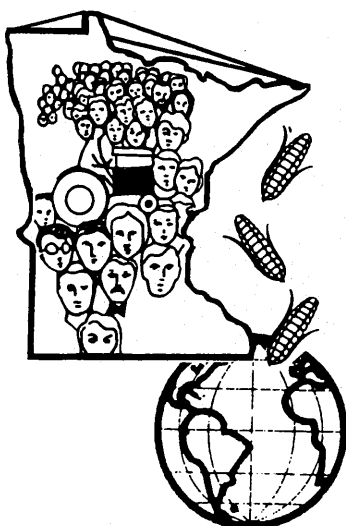
SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPARTMENT OF COMMERCE, WASHINGTON, D.C.

NOTE: County estimates on farm income are currently undergoing revision by the U.S. Department of Commerce; 1985 county data will therefore not be available until the spring of 1988. This issue of Agricultural Statistics repeats the 1984 data; the 1988 issue will carry 1985-86.

MINNESOTA CASH RECEIPTS FROM FARM MARKETINGS

Commodity	1983 1/		1984 1/		1985	
	Dollars	Percent Of Total	Dollars	Percent Of Total	Dollars	Percent Of Total
	<u>000</u>	<u>Pct.</u>	<u>000</u>	<u>Pct.</u>	<u>000</u>	<u>Pct.</u>
CROPS 2/						
FEED CROPS						
Corn.....	821,826	12.9	696,367	11.4	1,072,472	16.6
Oats.....	51,934	0.9	51,548	0.8	45,231	0.7
Barley.....	103,392	1.6	88,906	1.5	129,581	2.0
Hay.....	58,055	0.9	45,631	0.7	47,453	0.7
FOOD GRAINS						
Wheat.....	443,995	7.0	309,023	5.1	477,959	7.4
Rye.....	11,210	0.2	12,961	0.2	7,364	0.1
OIL CROPS						
Soybeans.....	1,125,410	17.7	1,083,577	17.8	898,479	13.9
Flaxseed.....	5,588	0.1	3,886	0.1	3,444	0.1
Sunflowers.....	49,859	0.8	33,612	0.6	24,648	0.5
VEGETABLE CROPS						
Potatoes.....	50,386	0.8	80,999	1.3	65,234	1.0
Sweet Corn (Processing).....	26,378	0.4	41,095	0.7	40,614	0.6
Green Peas (Processing).....	18,377	0.3	24,883	0.4	30,905	0.5
Sugarbeets.....	165,035	2.6	153,636	2.5	153,636	2.4
Dry Beans.....	12,295	0.2	10,924	0.2	13,606	0.2
All Seed Crops 3/.....	6,222	0.1	5,149	0.1	3,551	0.1
Apples.....	4,109	0.1	3,360	0.1	4,568	0.1
Greenhouse & Nursery.....	44,083	0.7	45,853	0.8	45,853	0.7
Floriculture.....	5/	5/	21,161	0.3	24,022	0.4
Other Crops & Veg. 4/.....	38,430	0.6	15,915	0.3	12,923	0.2
TOTAL CROPS.....	3,036,584	47.6	2,728,486	44.8	3,101,543	48.0
LIVESTOCK PRODUCTS						
MEAT ANIMALS						
Cattle & Calves.....	835,367	13.1	882,523	14.5	926,225	14.3
Hogs.....	741,410	11.6	726,857	11.9	721,367	11.1
Sheep & Lambs.....	15,480	0.2	14,447	0.2	16,386	0.3
DAIRY PRODUCTS.....	1,402,049	22.0	1,290,333	21.2	1,285,735	19.8
POULTRY AND EGGS						
Turkeys.....	158,263	2.5	229,818	3.8	250,772	3.9
Broilers.....	30,866	0.5	39,104	0.6	38,333	0.6
Farm Chickens.....	2,844	*	4,288	0.1	3,053	*
Eggs.....	101,879	1.6	123,627	2.0	83,125	1.3
Wool.....	823	*	1,040	*	737	*
Miscellaneous Other						
Livestock & Products 6/..	48,306	0.8	47,836	0.8	44,364	0.7
TOTAL LIVESTOCK.....	3,337,287	52.4	3,359,873	55.2	3,370,127	52.0
TOTAL ALL CROPS AND LIVESTOCK.....	6,373,871	100.0	6,088,359	100.0	6,471,670	100.0

1/ Revised. 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. 4/ Asparagus, green lima beans, snap beans, cabbage, onions, carrots, cucumbers, miscellaneous vegetables, mushrooms, other fruits, field and crops. 5/ Data for 1983 included under "Other Crops and Vegetables". 6/ Mink, goats, horses, mules, ducks, geese, honey, beeswax, turkey eggs and other livestock. *Less than .05%. NOTE: Percents may not add to totals because of rounding.



Exports

Based on Minnesota's farm output, the state's ag exports totaled \$1.27 billion in fiscal 1986 versus \$1.65 billion in 1985.

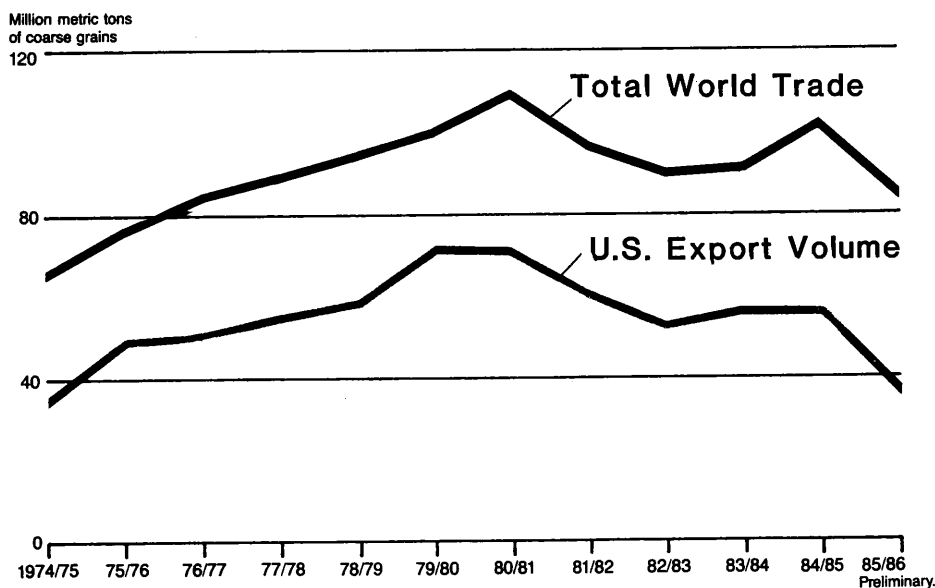
Shown at the right is the value of these exports by commodity group. These shares are derived from Minnesota's contribution to U.S. production and/or sales. They are not actual exports but reflect Minnesota's important stake in the national export market.

1986 MINN. AG EXPORTS

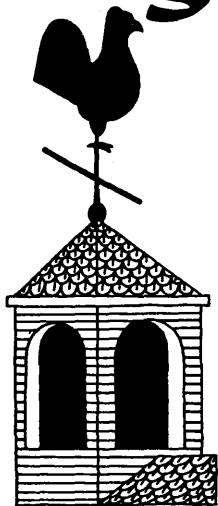
WORTH \$1.27 BIL.

SOYBEANS & PRODUCTS.....	\$424.9 Mil.
FEEDGRAINS.....	\$389.0 Mil.
WHEAT & PRODUCTS.....	\$152.9 Mil.
DAIRY PRODUCTS.....	\$ 51.1 Mil.
FEEDS & FODDERS.....	\$ 47.8 Mil.
VEGETABLES.....	\$ 44.0 Mil.
HIDES & SKINS.....	\$ 40.7 Mil.
LIVE ANIMALS & MEAT (Excl. Poultry).....	\$ 39.3 Mil.
FATS, OILS, GREASES..	\$ 14.6 Mil.
SUNFLOWER SEED & OIL.....	\$ 12.9 Mil.
SEEDS.....	\$ 9.5 Mil.
POULTRY.....	\$ 8.7 Mil.
OTHER.....	\$ 33.5 Mil.
TOTAL.....	\$1,268.9 Mil.

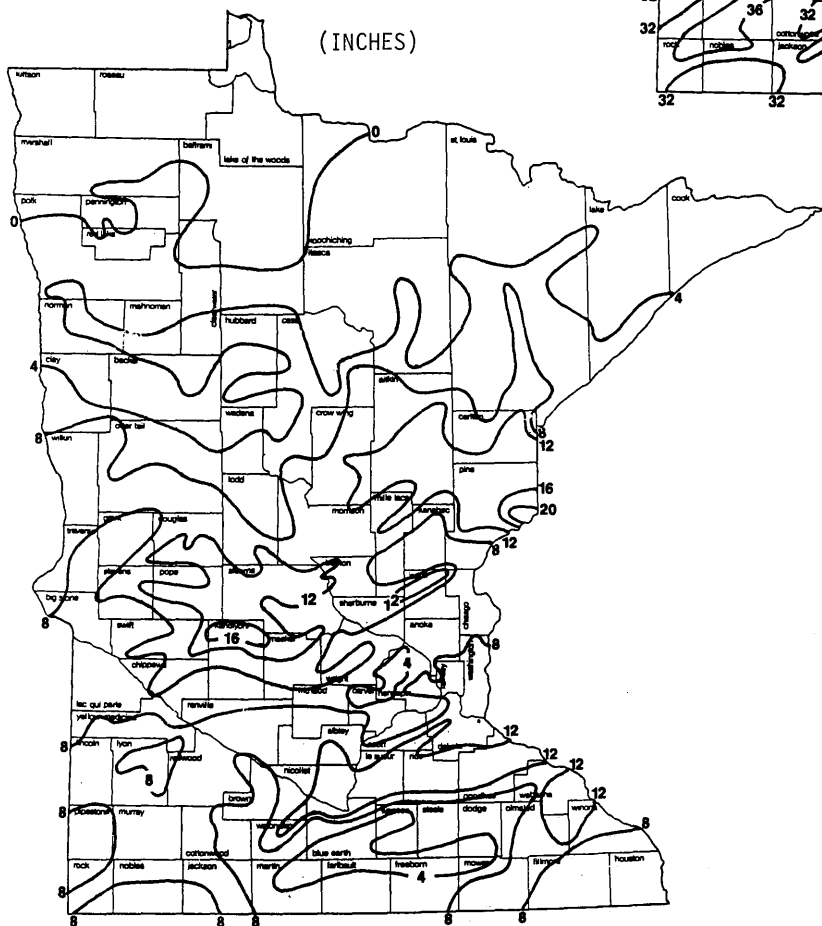
A WEAK WORLD MARKET HAS BEEN MAJOR PROBLEM FOR U.S. COARSE GRAIN EXPORTS IN THE 1980'S



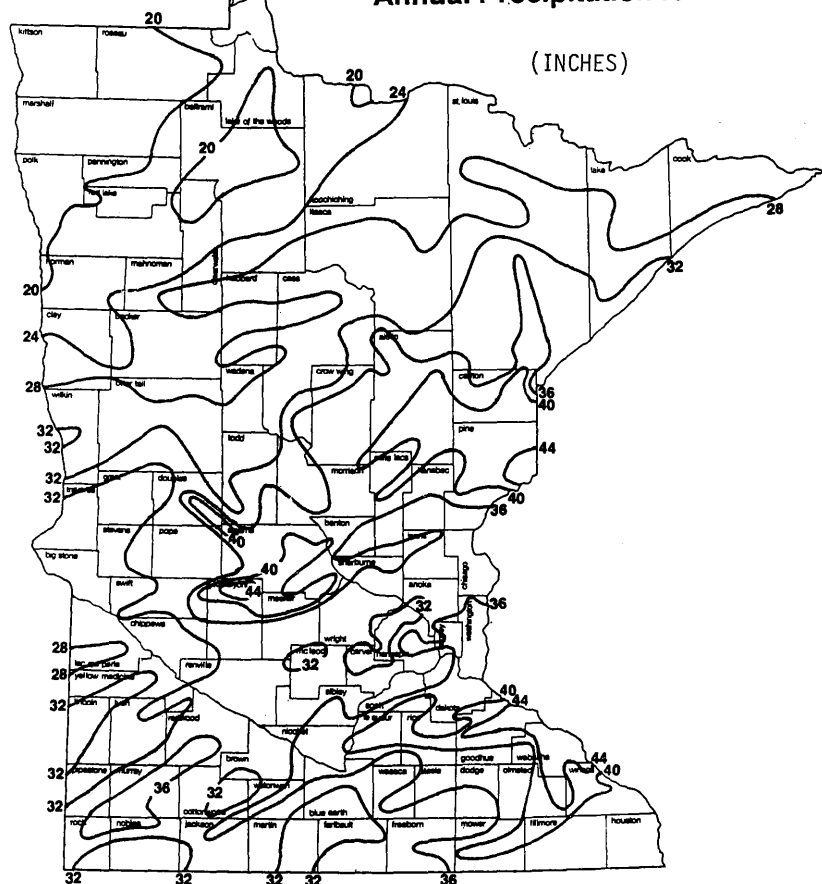
Climatic Summary



**Annual Precipitation for 1986
Departure from 1951-80 Normals**



Annual Precipitation for 1986



The precipitation maps for 1986 show very wet conditions in the southern two-thirds of the state. Departures of greater than 12 inches above normal precipitation were common in this area. The northern half of Kandiyohi county (central district) had departures of greater than 16 inches above normal.

The observations used to prepare the maps were supplied by the National Weather Service Coop. observers. For the stations that report weekly on our Crop-Weather Survey, Rosemount had the greatest recorded amount of precipitation, at 41.08 inches, and International Falls had the least amount, at 16.05 inches.

Maps By:
James Zandlo
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	Millie 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, 1859-1869; 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, 1937-1985. Precipitation data began 1836. Snowfall data began 1859. Other data based on observations at Minneapolis-St. Paul International Airport, mostly 1945-1970.

Temperature Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

Mean												
Normal 1951-1980	11.2	17.5	29.2	46.0	58.5	68.1	73.1	70.6	60.6	49.6	33.2	19.2
Normal 1941-1970	12.2	16.5	28.3	45.1	57.1	66.9	71.9	70.2	60.0	50.0	32.4	18.6
155-year adjusted	11.2	15.0	28.1	44.3	56.9	66.2	71.0	68.5	59.3	47.5	31.2	17.0
Mean Maximum												
Normal 1951-1980	19.9	26.4	37.5	56.0	69.4	78.5	83.4	80.9	71.0	59.7	41.1	24.3
Normal 1941-1970	21.2	25.9	36.9	55.5	67.9	77.1	82.4	80.8	70.7	60.7	40.6	26.6
155-year adjusted	20.7	24.8	37.5	54.9	69.0	77.3	82.6	80.0	70.6	58.3	40.0	26.2
Mean Minimum												
Normal 1951-1980	2.4	8.5	20.8	36.0	47.6	57.7	62.7	60.3	50.2	39.4	25.3	11.7
Normal 1941-1970	3.2	7.1	19.6	34.7	46.3	56.7	61.4	59.6	49.3	39.2	24.2	10.6
155-year adjusted	1.6	5.2	18.6	33.8	45.9	55.1	59.5	57.0	48.0	36.7	22.3	7.8
Hottest Temp.	59	61	83	95	106	104	108	103	104	91	77	63
Year	1846	1896	1910	1980	1934	1934	1936	1936	1931	1847	1933	1939/82
Coldest Temp.	-41	-40*	-32	1	18	34	41	34	17	7	-23	-39
Year	1888	1838	1862	1843	1967	1852	1842	1832	1945	1853	1822	1879
Warmest Month**	26.7	31.5	43.7	54.8	66.4	73.1	78.9	75.8	68.1	58.8	41.8	30.8
Year	1944	1954	1878	1839	1934	1933	1936	1947	1851	1963	1830	1877
Coldest Month**	-6.0	-2.9	3.0	31.2	47.5	54.0	64.6	62.1	51.3	35.8	18.6	1.4
Year	1875	1936	1843	1857	1907	1842	1915	1860	1866	1925	1880	1831
Percent Days with												
maximum over 32	26	35	70	97	100	100	100	100	99	76	35	
maximum over 50	1	1	16	63	95	99	100	100	99	81	21	2
maximum over 70	0	0	1	15	49	82	98	91	58	24	2	0
maximum over 90	0	0	0	1	3	11	25	20	6	0	0	0
minimum under 50	100	100	99	94	63	18	2	7	52	89	99	100
minimum under 32	99	99	83	36	2	0	0	0	2	20	75	95
minimum under 10	62	53	19	1	0	0	0	0	0	10	41	
minimum under 0	39	31	7	0	0	0	0	0	0	2	20	
minimum under -15	10	6	0	0	0	0	0	0	0	0	2	

Precipitation

Normal 1951-1980	.82	.85	1.71	2.05	3.20	4.07	3.51	3.64	2.50	1.85	1.29	.87
Normal 1941-1970	.73	.84	1.68	2.04	3.37	3.94	3.69	3.05	2.73	1.78	1.20	.89
Mean (1.35 Years)	.86	.84	1.43	2.29	3.37	4.12	3.34	3.33	3.00	1.88	1.37	.94
Most in 24 hours	1.21	1.90	1.90	2.71	5.12	5.25	7.80	7.27	6.10	2.83	2.52	1.70
Date and Year	24/1967	24/1930	31/1843	26/1888	31/1877	29/1877	27/1892	30/1977	23/1841	3/1860	11/1940	14/1891
Mean Snowfall (110 Years)	9.0	7.7	9.6	3.1	.2	0	0	0	T	.5	5.1	7.3
Most Snow												
One Date	17.2	10.5	14.7	14.0	3.0	0	0	0	1.7	5.5	16.2	12.0
Date and Year	22/1982	10/1909	22/1984	28/1907	1/1935	-	-	-	26/1942	29/1905	11/1940	28/1982
Wettest Month	4.34	3.25	4.75	5.40	10.33	11.67	11.87	9.31	10.61	6.42	5.75	4.27
Year	1881	1922	1865	1975	1906	1874	1892	1977	1869	1911	1857	1982
Driest Month	0	T	.02	.18	.21	.02	.11	.20	.27	0	.02	T
Year	1853	1864	1853	1848	1934	1863	1936	1925	1882	1842	1939	1943

Humidity	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Mean absolute (g/m ³)	2.0	2.1	3.2	5.0	7.4	10.6	13.4	12.4	9.2	6.1	3.9	2.5
Mean Vapor pressure (mb)	3.0	3.1	4.0	6.5	9.8	14.5	18.4	17.0	12.2	7.9	4.9	3.2
Mean relative (%)	73	72	71	62	61	66	68	69	70	68	74	76
Mean dew point	5.7	9.9	20.3	31.8	43.1	54.7	60.4	59.3	49.8	39.3	25.1	12.6
Mean relative (%)†												
at midnight	72	73	73	70	70	74	77	78	81	76	79	77
at 6 am	73	74	77	76	77	80	82	85	87	83	82	79
at noon	67	65	64	55	54	55	55	56	60	60	67	72
at 6 pm	68	65	63	54	52	53	54	56	62	63	71	74

Cloudiness

Mean sky cover (%) 58	56	62	60	59	55	46	45	49	49	64	65	
at midnight	54	53	64	56	52	48	36	33	38	41	57	62
at 6 am	59	51	60	55	59	61	46	49	47	40	55	64
at noon	64	64	70	66	66	60	49	50	52	50	71	73
at 6 pm	56	62	67	59	64	57	47	46	51	51	65	66
Mean days clear †† 8	8	7	7	7	7	7	11	11	10	11	5	6
Mean days												
ptly cldy ††	8	7	8	8	9	11	11	11	9	7	7	7
Mean days cldy †† 15	13	16	15	15	12	9	9	11	13	18	18	

Sunshine

Mean % of possible 50	56	57	58	59	63	72	68	60	55	41	40	
first hour after												
sunrise	32	35	32	42	42	45	49	35	40	40	27	
noon hour	63	69	71	72	73	78	84	82	70	62	53	51
last hour before												
sunset	40	42	41	32	35	35	43	44	42	40	35	32
% sunniest month	75	75	79	81	83	88	90	85	84	80	72	75
Year	1912	1943	1910	1931	1934	1933	1936	1969	1967	1953	1939	1943
% least sunny												
month	23	25	29	35	31	41	43	46	27	34	13	20
Year	1907	1897	1904	1947	1915	1915	1915	1951	1965	1898	1972	1947

Degree Days

Mean Heating												
1951-1980	1668	1330	1110	570	238	41	12	16	160	488	954	1420
1941-1970	1637	1358	1138	597	271	65	11	21	173	472	978	1438
Mean Cooling												
1951-1980	0	0	0	0	36	134	263	190	28	7	0	0
1941-1970	0	0	0	0	26	122	225	182	23	7	0	0

Other

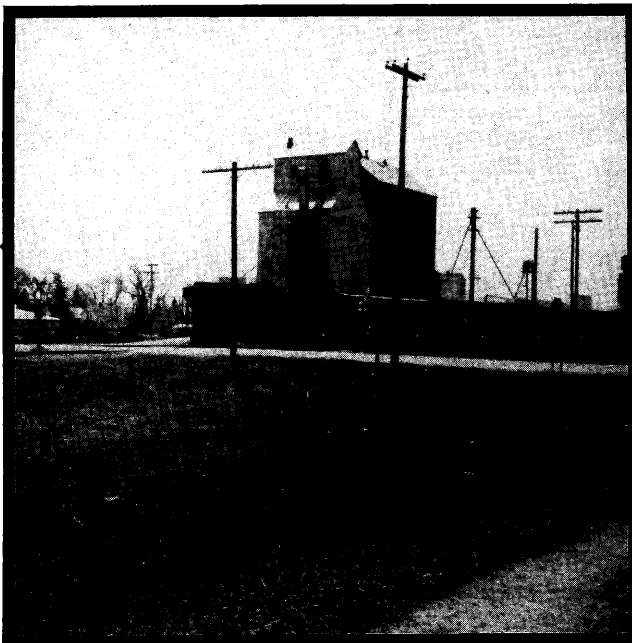
Thunderstorm days 0	0	1	2	6	8	7	7	5	2	1	0	
Mean barometer												
100 years	30.12	30.11	30.04	29.98	29.94	29.91	29.95	29.97	29.99	30.01	30.05	30.08
Mean density (g/m ³)	1309	1296	1258	1215	1187	1164	1153	1160	1185	1212	1253	1291
Mean Wind 1945- 1970 (mph)	9.2	9.4	9.9	11.1	10.5	9.5	8.2	8.1	8.8	9.2	9.9	9.1
Highest wind (mph)	53	52	51	52	61	63	92	110	49	73	60	52
% time with dense fog	1.9	1.8	1.5	.5	.5	.3	.3	.5	.8	.9	1.1	2.4
% time with haze	5.7	6.8	4.1	2.3	1.3	1.1	2.0	1.8	1.8	2.8	4.1	4.9
% time with blowing snow	1.3	1.4	1.0	1.0	.2	0	0	0	0	0	.7	.8

* May have been colder—mercury frozen in thermometer
 **155-year adjusted value.
 † 1960-1974.
 †† 1939-1974.



SECTION 2

CROPS



Crop Summary



CORN YIELDS REACH RECORD 122 BUSHELS/ACRE

Minnesota CORN producers wrapped up 1986 with record high corn yields. Averaging 122 bushels per acre, corn production totaled 707.6 million bushels, 2% below 1985.

Minnesota's south central district was the leader in corn production, with over 183 million bushels, and average corn yield, at 139 bushels per acre. The southwest district was second in production while the southeast ranked second in yields.

Last year's SOYBEAN production totaled 170.4 million bushels, up 6% from 1985. Yields came in at 35.5 bushels per acre, up 3.5 bushels from 1985.

For 1986, the leading district in soybean output was the south central, with 43.9 million bushels; the southwest followed closely, with 42.8 million. Average yields were highest in the south central.

Minnesota's 1986 WHEAT crop totaled 103.7 million bushels, down 27% from 1986. Spring wheat fell short of the 1985 record, averaging 37 bushels per acre.

The leading spring wheat district was the northwest, accounting for 64% of the state's production. The south central and southeast districts, however, reported higher yields.

OAT production of 43.4 million bushels fell 44% from 1985. Yields averaged 51 bushels, down 19 bushels from 1985.

Minnesota BARLEY production dropped 22% to 55.0 million bushels. Yields were 11 bushels lower, at 55 bushels per acre.

RYE output of 1.6 million bushels was down a sharp 52% from 1985. Yields, however, were up 2 bushels per 32 bushels/acre.

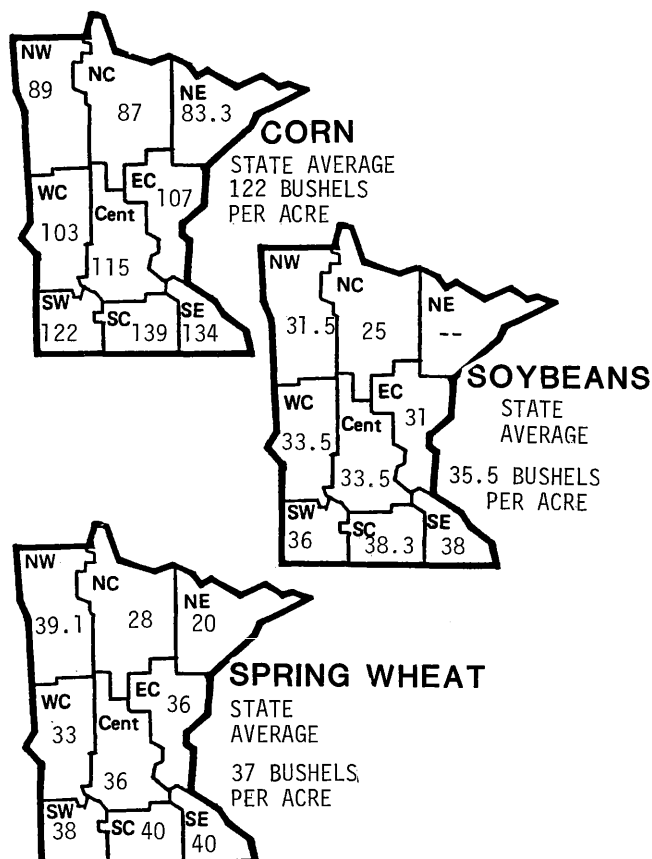
Despite less acreage, ALL SUNFLOWER production was 14% above 1985, at 226.2 million bushels. Yields averaged 1,508 pounds/acre, up a sharp 605 pounds.

FLAX producers reported a 43% drop in production, at 544,000 bushels. Yields of 16 bushels per acre were lower than 1985's 19.0.

ALL HAY production in Minnesota at 9.68 million tons was up 21% from 1985. Producers reported record-high yields.

The state's DRY BEAN output of 1,007,000 hundredweight topped 1985 by 16%. Yields gained 250 pounds to 1,650 pounds/acre.

1986 AVERAGE CROP YIELDS BY DISTRICT



MINNESOTA & U.S. CROP PRODUCTION RECORDS

Crop	Plantings (000 Acres)		Yield Per Acre		Production (000)	
CORN:						
Minnesota	7,700	1981	122.0 Bu.	1986	744,700 Bu.	1981
United States	113,024	1932	119.3 Bu.	1986	8,876,706 Bu.	1985
SOYBEANS:						
Minnesota	5,300	1984	36.0 Bu.	1978	172,920 Bu.	1984
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	610,497 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	155,271 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	18.9 Tons	1978	5,194 Tons	1986
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	1,369 Lbs.	1986	7,296,110 Lbs.	1979

1/ Harvested acres.

MINNESOTA STOCKS & CROP PRICE RECORDS

Crop	Farm Stocks (000)	Off-Farm Stocks (000)	High Monthly Price	Low Monthly Price
CORN	820,000 Bu. Dec. 1, 1986	207,267 Bu. Dec. 1, 1986	\$3.34 Bu. October 1974	\$0.13 Bu. February 1933
SOYBEANS	130,000 Bu. Dec. 1, 1986	102,329 Bu. Dec. 1, 1986	\$10.00 Bu. June 1973	\$0.65 Bu. August 1939
ALL WHEAT	175,000 Bu. Sep. 1, 1986	101,732 Bu. Sep. 1, 1986	\$5.38 Bu. February 1974	\$0.33 Bu. December 1932
BARLEY	88,668 Bu. Oct. 1, 1985	33,651 Bu. Oct. 1, 1970	\$3.82 Bu. November 1974	\$0.16 Bu. Feb., March 1933
OATS	208,670 Bu. Oct. 1, 1945	78,566 Bu. Oct. 1, 1971	\$2.04 Bu. March 1981	\$0.10 Bu. October 1932
FLAX	6,695 Bu. Oct. 1, 1950	21,538 Bu. Oct. 1, 1949	\$10.80 Bu. March, Aug. 1974	\$0.82 Bu. August 1932
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.

MINNESOTA CROP 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
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CORN FOR GRAIN

	<u>1,000 Acres</u> ^{1/}	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.</u>	<u>1,000 Dols.</u>
1982	7,300	6,500	113.0	734,500	2.63	1,931,735
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	2.25	1,630,125
1986	6,400	5,800	122.0	707,600	1.40	990,640

CORN FOR SILAGE

		<u>1,000 Acres</u>	<u>Tons</u>	<u>1,000 Tons</u>		
1982	-----	730	13.5	9,855	----	----
1983	-----	650	11.5	7,475	----	----
1984	-----	700	12.0	8,400	----	----
1985	-----	750	12.5	9,375	----	----
1986	-----	450	13.5	6,075		

SOYBEANS

	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.</u>	<u>1,000 Dols.</u>
1982	4,950	4,830	35.0	169,050	5.81	982,181
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	4.96	793,600
1986	4,900	4,800	35.5	170,400	4.55	775,320

OATS

	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.</u>	<u>1,000 Dols.</u>
1982	1,700	1,530	64.0	97,920	1.36	133,171
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	1.25	54,188

BARLEY

	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.</u>	<u>1,000 Dols.</u>
1982	900	880	58.0	51,040	2.04	104,122
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	1.84	130,548
1986	1,200	1,000	55.0	55,000	1.35	74,250

RYE

	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.</u>	<u>1,000 Dols.</u>
1982	120	100	33.0	3,300	2.31	7,623
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	1.80	5,940
1986	100	50	32.0	1,600	1.45	2,320

1/ Acreage planted to corn is for "all purposes". 2/ Season average prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate but exclude deficiency payments, if any. 1986 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						
	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.1/</u>	<u>1,000 Dols.</u>
1982	3,240	3,184	39.8	126,809	3.75	475,451
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	3.25	463,221
1986	2,965	2,814	36.8	103,666	2.35	243,253
SPRING WHEAT (OTHER THAN DURUM)						
	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.1/</u>	<u>1,000 Dols.</u>
1982	3,070	3,020	40.0	120,800	3.75	453,000
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	3.26	424,941
1986	2,750	2,650	37.0	98,050	2.35	230,418
DURUM WHEAT						
	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.1/</u>	<u>1,000 Dols.</u>
1982	80	78	39.0	3,042	3.83	11,651
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	3.29	5,646
1986	35	34	39.0	1,326	2.40	3,182
WINTER WHEAT						
	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.1/</u>	<u>1,000 Dols.</u>
1982	90	86	34.5	2,967	3.64	10,800
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	3.15	32,634
1986	180	130	33.0	4,290	2.25	9,653
FLAXSEED						
	<u>1,000 Acres</u>	<u>1,000 Acres</u>	<u>Bushels</u>	<u>1,000 Bushels</u>	<u>Dols.Per Bu.1/</u>	<u>1,000 Dols.</u>
1982	120	110	15.0	1,650	5.20	8,580
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	3.55	1,931
SUGARBEETS						
	<u>Acres</u>	<u>Acres</u>	<u>Tons</u>	<u>Tons</u>	<u>Dols.Per Ton 2/</u>	<u>1,000 Dols.</u>
1982	253,000	252,000	18.8	4,738,000	34.30	162,513
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	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.

2/ Excludes Sugar Act payments. NA = Not Available.

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

Crop Year	Acres Planted	Acres 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.
1982	540	508	1,329	675,240	9.38	63,337
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	6.88	15,573
OIL SUNFLOWERS						
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1982	505	475	1,350	641,250	9.31	59,700
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	6.35	12,002
NON-OIL SUNFLOWERS						
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1982	35	33	1,030	33,990	10.70	3,637
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	9.60	3,571
ALL HAY						
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1982	-----	2,870	2.88	8,264	67.50	557,820
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	53.50	517,613
ALFALFA HAY						
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1982	-----	1,950	3.20	6,240	-----	-----
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	-----	-----
ALL OTHER HAY						
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1982	-----	920	2.20	2,024	-----	-----
1983	-----	930	2.20	2,046	-----	-----
1984	-----	900	2.20	1,980	-----	-----
1985	-----	900	2.20	1,980	-----	-----
1986	-----	900	2.30	2,070	-----	-----

1/ 1986 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
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ALL POTATOES

	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1982	77,700	70,600	190	13,401	3.95	52,617
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	4.35 1/	66,234

FALL POTATOES

	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1982	71,000	64,000	180	11,520	3.80	43,776
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	NA	NA

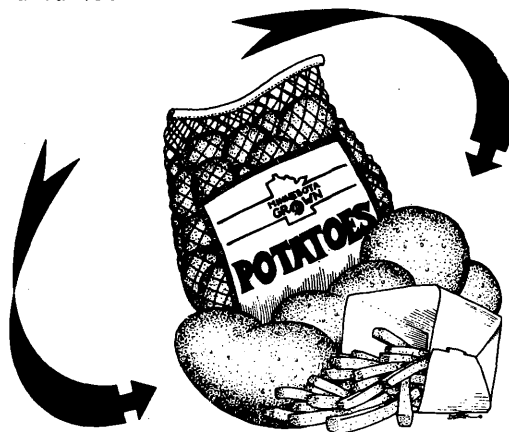
SUMMER POTATOES

	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1982	6,700	6,600	285	1,881	4.70	8,841
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	NA	NA

DRY EDIBLE BEANS

	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1982	95,000	73,000	1,300	949	12.40	11,768
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	23.10	23,262

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						
	<u>Acres</u>	<u>Acres</u>	<u>Tons 1/</u>	<u>Tons 1/</u>	<u>Dols. Per Ton</u>	<u>1,000 Dols.</u>
1982	121,500	119,300	5.73	683,590	56.30	38,486
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
GREEN PEAS FOR PROCESSING						
	<u>Acres</u>	<u>Acres</u>	<u>Tons 2/</u>	<u>Tons 2/</u>	<u>Dols. Per Ton</u>	<u>1,000 Dols.</u>
1982	65,100	60,800	1.60	97,280	236.00	22,958
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
ONIONS						
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols. 3/</u>
1982	1,000	800	210	168	4.89	689
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	9.09 4/	1,600
CARROTS FOR FRESH MARKET & PROCESSING						
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 Cwt.</u>	<u>Dols. Per Cwt.</u>	<u>1,000 Dols.</u>
1982	1,800	1,500	370	555	7.23	4,013
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	6.80 4/	3,263
COMMERCIAL APPLES						
Crop Year	Acreage Planted	Acreage Harvested	Utilized Production		Season Average Price	Farm Value Of Utilized Production
			<u>Mil.Lbs.</u>		<u>Cents Per Lb.</u>	<u>1,000 Dols.</u>
1982	---	---	24.0		19.0	4,559
1983	---	---	21.0		20.3	4,256
1984	---	---	15.0		23.5	3,518
1985	---	---	21.0		22.0	4,612
1986	---	---	18.0		24.7 4/	4,454

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

4/ Preliminary.

MINNESOTA CROP MARKETINGS: PERCENT BY MONTHS

CORN MARKETINGS

Crop Marketing Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1982-1983	4	14	9	7	8	6	6	7	12	9	9	9
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

SOYBEAN MARKETINGS

Crop Marketing Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1982-1983	5	9	9	6	7	6	5	7	7	9	16	14
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

ALL WHEAT MARKETINGS

Crop Marketing Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1982-1983	9	20	8	5	7	5	4	7	11	9	8	7
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

OATS MARKETINGS

1982-1983	10	33	9	3	3	6	6	4	5	7	7	7
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

BARLEY MARKETINGS

1982-1983	14	16	4	5	7	7	4	11	8	6	9	9
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

FLAX MARKETINGS

1982-1983	3	41	17	17	13	2	1	1	1	2	1	1
1983-1984	2	42	16	12	11	2	2	2	4	5	1	1
1984-1985	0	9	22	42	4	4	0	8	1	6	2	2
1985-1986	1	2	12	29	13	1	8	19	4	5	4	2

ALL HAY MARKETINGS

Crop Marketing Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1982-1983	10	8	11	7	5	6	6	9	13	12	8	5
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

MINNESOTA GRAIN AND HAY STOCKS 1/

Year	On Farms				All Storage Positions			
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
<u>1,000 Bushels</u>				<u>1,000 Bushels</u>				
CORN STOCKS								
1983	763,880	616,980	484,770	257,075	934,247	759,975	622,235	415,712
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	290,000	794,652	624,284	534,284	420,008
1987	820,000	700,000			1,027,267	913,230		
ALL WHEAT STOCKS								
1983	112,860	92,571	71,013	110,544	154,142	132,240	104,418	157,508
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	175,000	221,155	200,767	187,538	276,732
1987	156,000	130,000			241,262	221,733		
OATS STOCKS 2/								
1983	62,669	44,064	31,334	76,950	75,542	52,975	37,642	93,893
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	
BARLEY STOCKS 2/								
1983	46,957	38,280	33,686	54,325	67,071	57,361	50,809	80,465
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	
SOYBEAN STOCKS								
	Jan. 1	Apr. 1	June 1	Sep. 1	Jan. 1	Apr. 1	June 1	Sep. 1
1983	116,645	91,287	67,620	16,905	164,930	136,984	104,971	44,335
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
1987	130,000	112,000			232,329	211,577		
HAY STOCKS								
	Jan. 1	May 1		OFF-FARM HAY STOCKS NOT ESTIMATED				
	<u>1,000 Tons</u>							
1983	5,206	1,405						
1984	4,906	1,497						
1985	5,908	1,435						
1986	4,802	1,280						
1987	6,773 3/	1,548						

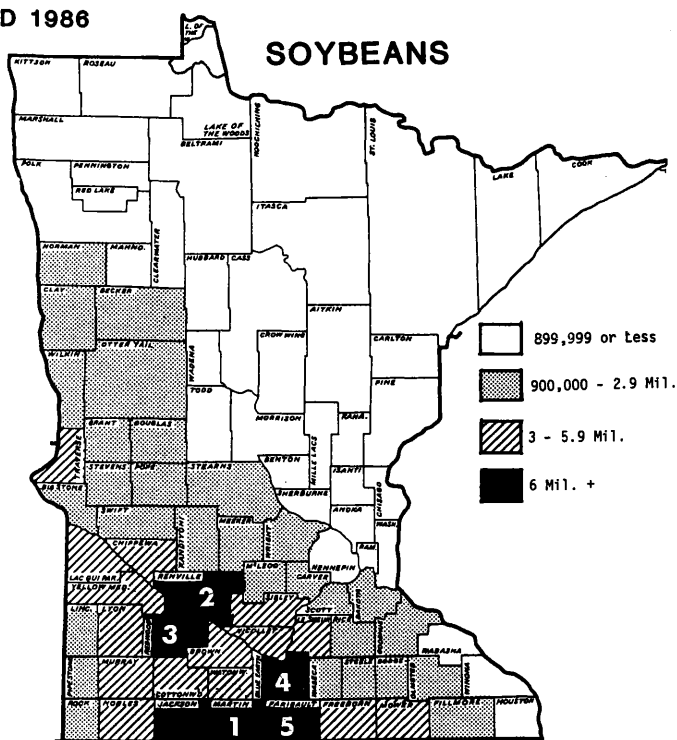
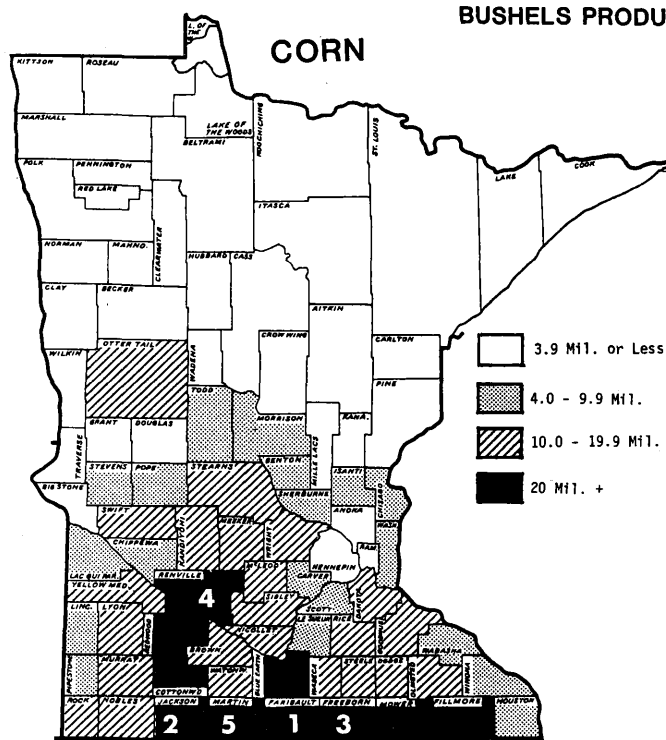
1/ Starting September 1, 1986, reference dates were changed as follows: Jan. 1 becomes Dec. 1, April 1, becomes Mar. 1, June 1 unchanged and Oct. 1 becomes Sept. 1.

2/ Estimates are annual starting June 1, 1986.

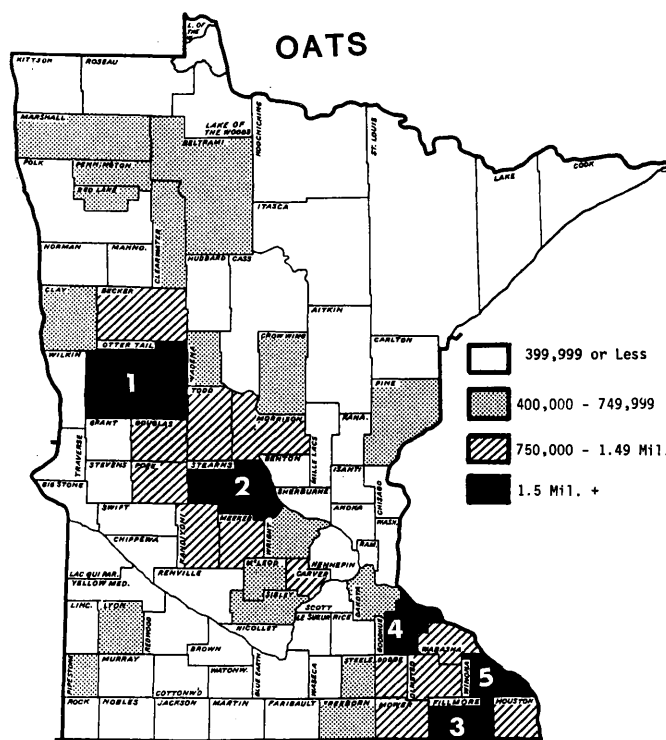
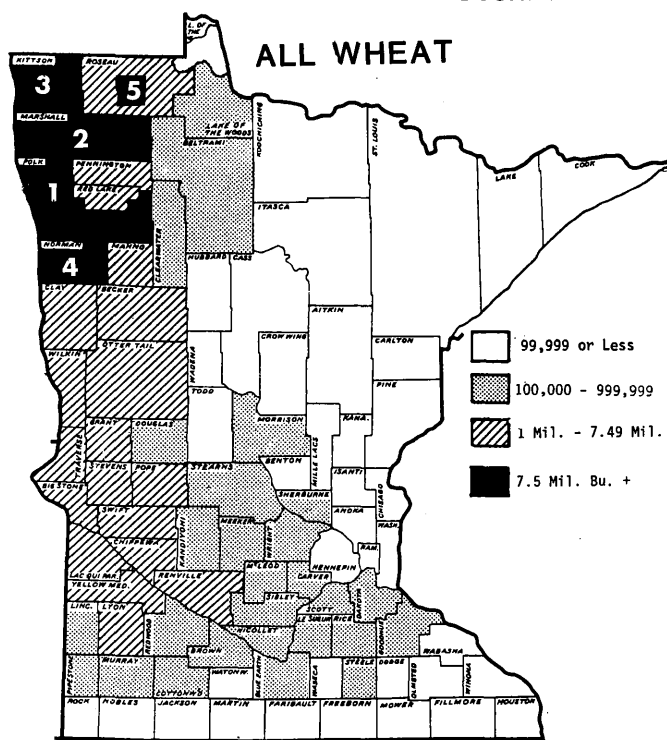
3/ Starting Jan. 1, 1987, hay stocks reference date was changed to Dec. 1.

Geographic Distribution of Major Minnesota Crops in 1986

BUSHELS PRODUCED 1986



BUSHELS PRODUCED 1986



CORN: ACREAGE PLANTED ALL PURPOSES, HARVESTED FOR GRAIN ,YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	* ACREAGE * PLANTED		* ACREAGE * HARVESTED		* YIELD PER * HARVESTED ACRE*		* PRODUCTION	
	1985	1986	1985	1986	1985	1986	1985	1986

	- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
BECKER	29,100	26,600	8,900	15,600	59.0	83.0	525,100	1,294,800
CLAY	45,800	44,200	33,400	38,800	75.0	96.0	2,505,000	3,724,800
CLEARWATER	7,200	7,500	1,100	2,800	55.0	72.0	60,500	201,600
KITSON	3,400	2,300	100	200	50.0	74.0	5,000	14,800
MAHOMEN	14,400	12,900	2,500	8,300	55.0	81.0	137,500	672,300
MARSHALL	17,600	9,500	7,300	7,200	48.0	77.0	350,400	554,400
NORMAN	26,700	26,300	12,200	18,600	58.0	83.0	707,600	1,543,800
PENNINGTON	6,800	3,200	1,800	2,200	53.0	69.0	95,400	151,800
POLK	41,200	35,700	25,300	28,800	62.0	84.0	1,568,600	2,419,200
RED LAKE	20,000	15,300	7,900	9,800	45.0	71.0	355,500	695,800
ROSEAU	5,900	4,700	1,200	800	45.0	60.0	54,000	48,000
<u>NORTHWEST</u>	218,100	188,200	101,700	133,100	62.6	85.1	6,364,600	11,321,300
BELTRAMI	7,800	6,800	800	2,000	48.0	86.0	38,400	172,000
CASS	5,400	5,700	3,600	3,300	50.0	83.0	180,000	273,900
HUBBARD	9,200	8,300	7,500	7,100	60.0	95.0	450,000	674,500
ITASCA	700	800	200	200	60.0	69.0	12,000	13,800
KOOCHICHING	1,800	1,500	400	400	55.0	90.0	22,000	36,000
LAKE OF THE WOODS	1,100	1,200	200	500	44.0	98.0	8,800	49,000
<u>NORTH CENTRAL</u>	26,000	24,300	12,700	13,500	56.0	90.3	711,200	1,219,200
ST LOUIS	600	600	300	500	64.0	75.0	19,200	37,500
<u>NORTHEAST</u>	600	600	300	500	64.0	75.0	19,200	37,500
BIG STONE	48,000	44,400	42,700	40,900	100.0	87.0	4,270,000	3,558,300
CHIPPEWA	107,200	96,000	100,500	92,400	119.0	104.0	11,959,500	9,609,600
DOUGLAS	56,700	48,200	35,300	35,400	85.0	89.0	3,000,500	3,138,000
GRANT	32,700	29,300	27,500	25,800	86.0	100.0	2,365,000	2,580,000
LAC QUI PARLE	97,900	89,700	90,500	85,500	113.0	113.0	10,226,500	9,661,500
OTTER TAIL	167,100	146,500	115,000	115,700	77.0	99.0	8,855,000	11,454,300
POPE	73,400	66,900	62,900	57,300	91.0	102.0	5,723,900	5,844,600
STEVENS	100,700	84,200	90,100	78,400	99.0	110.0	8,919,900	8,624,000
SWIFT	135,800	130,100	125,300	124,600	105.0	106.0	13,156,500	13,207,600
TRAVERSE	33,300	27,100	30,100	25,100	101.0	98.0	3,040,100	2,459,800
WILKIN	46,300	34,400	39,400	33,100	86.0	89.0	3,388,400	2,945,900
YELLOW MEDICINE	153,400	141,400	143,700	136,900	120.0	119.0	17,244,000	16,291,100
<u>WEST CENTRAL</u>	1,052,500	938,200	903,000	851,100	102.0	105.0	92,149,300	89,374,700
BENTON	62,500	47,700	51,100	40,100	97.0	107.0	4,956,700	4,290,700
CARVER	72,900	62,300	56,300	50,600	119.0	123.0	6,699,700	6,223,800
KANDIYOHI	146,200	133,300	135,900	126,400	110.0	109.0	14,949,000	13,777,600
MCLEOD	116,200	99,200	103,500	90,800	122.0	121.0	12,627,000	10,986,800
MEEKER	118,400	110,200	104,400	103,400	116.0	109.0	12,110,400	11,270,600
MORRISON	104,100	90,200	79,900	70,700	94.0	96.0	7,510,600	6,756,400
RENVILLE	203,400	184,100	195,100	177,700	130.0	129.0	25,363,000	22,923,300
SCOTT	48,600	40,700	42,400	37,100	118.0	137.0	5,003,200	5,082,700
SHERBURNE	41,400	35,500	36,200	31,900	112.0	127.0	4,054,400	4,051,300
SIBLEY	137,000	129,300	128,000	123,600	134.0	133.0	17,152,000	16,438,800
STEARNS	226,200	195,700	160,300	136,000	100.0	105.0	16,030,000	14,280,000
TODD	133,400	116,800	83,900	83,100	82.0	96.0	6,879,800	7,977,600
WADENA	36,500	27,500	19,600	19,100	71.0	93.0	1,391,600	1,776,300
WRIGHT	121,100	106,200	104,800	90,600	112.0	111.0	11,737,600	10,056,600
<u>CENTRAL</u>	1,567,900	1,378,700	1,301,400	1,181,100	112.5	115.1	146,465,000	135,892,500

CORN: ACREAGE PLANTED ALL PURPOSES, HARVESTED FOR GRAIN ,YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES,
MINNESOTA, 1985-86 (CONT'D)

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1985	1986	1985	1986	1985	1986	1985	1986
	- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
AITKIN	4,700	4,900	1,600	2,300	60.0	83.0	96,000	190,900
ANOKA	35,300	27,800	31,100	26,600	94.0	93.0	2,923,400	2,473,800
CARLTON	2,300	1,800	0	400	0.0	70.0	0	28,000
CHISAGO	51,200	46,500	45,300	42,500	95.0	103.0	4,303,500	4,377,500
CROW WING	18,600	11,200	11,900	7,900	63.0	90.0	749,700	711,000
HENNEPIN	36,000	33,700	33,200	31,500	119.0	118.0	3,950,800	3,717,000
ISANTI	68,600	54,900	60,200	51,700	93.0	107.0	5,598,600	5,531,900
KANABEC	32,500	29,700	16,400	21,000	90.0	104.0	1,476,000	2,184,000
MILLE LACS	43,400	35,100	29,900	28,100	89.0	96.0	2,661,100	2,697,600
PINE	38,300	35,500	19,300	24,000	79.0	92.0	1,524,700	2,208,000
RAMSEY	1,100	1,100	800	1,000	120.0	103.0	96,000	103,000
WASHINGTON	52,100	46,100	47,100	43,500	118.0	132.0	5,557,800	5,742,000
EAST CENTRAL	384,100	328,300	296,800	280,500	97.5	106.8	28,937,600	29,964,700
COTTONWOOD	168,200	151,800	155,300	146,000	126.0	138.0	19,567,800	20,148,000
JACKSON	212,600	186,900	198,600	180,500	124.0	134.0	24,626,400	24,187,000
LINCOLN	97,500	88,000	86,000	70,400	106.0	92.0	9,116,800	6,476,800
LYON	164,800	150,300	151,600	144,000	115.0	118.0	17,434,000	16,992,000
MURRAY	149,200	131,900	136,800	125,000	114.0	122.0	15,595,200	15,250,000
NOBLES	171,000	152,000	158,400	142,300	112.0	111.0	17,740,800	15,795,300
PIPESTONE	107,200	98,600	89,900	91,800	105.0	101.0	9,439,500	9,271,800
REDWOOD	200,100	172,100	188,900	167,300	128.0	132.0	24,179,200	22,083,600
ROCK	122,900	113,200	110,900	107,300	110.0	127.0	12,199,000	13,627,100
SOUTHEAST	1,393,500	1,244,800	1,276,400	1,174,600	117.4	122.5	149,898,700	143,831,600
BLUE EARTH	184,400	155,200	174,700	149,800	133.0	137.0	23,235,100	20,522,600
BROWN	126,200	110,200	114,700	104,200	133.0	135.0	15,255,100	14,067,000
FARIBAUT	195,400	179,800	185,100	173,200	140.0	143.0	25,914,000	24,767,600
FREEBORN	209,700	179,200	198,600	174,400	125.0	134.0	24,825,000	23,369,600
LESUEUR	81,700	69,300	74,700	67,100	128.0	136.0	9,561,600	9,125,600
MARTIN	183,900	160,000	173,000	155,000	141.0	146.0	24,393,000	22,630,500
NICOLLET	97,400	81,400	90,200	77,900	137.0	138.0	12,357,400	10,750,200
RICE	116,300	89,100	104,600	83,400	111.0	139.0	11,610,600	11,592,600
STEELE	133,200	108,900	122,000	105,100	116.0	130.0	14,152,000	13,663,000
WASECA	129,000	113,700	120,900	110,000	129.0	134.0	15,596,100	14,740,000
WATONWAN	109,700	92,700	103,500	89,200	138.0	141.0	14,283,000	12,577,200
SOUTH CENTRAL	1,566,900	1,339,500	1,462,000	1,289,300	130.8	137.9	191,182,900	177,805,900
DAKOTA	101,200	91,100	88,400	83,300	112.0	141.0	9,900,800	11,745,300
DODGE	113,000	101,600	103,000	95,800	117.0	127.0	12,051,000	12,166,600
FILLMORE	193,400	167,300	173,100	157,600	107.0	135.0	18,521,700	21,276,000
GOODHUE	130,900	121,900	112,100	112,500	114.0	134.0	12,779,400	15,075,000
HOUSTON	66,700	53,300	50,400	45,100	123.0	148.0	6,199,200	6,674,800
MOWER	192,400	168,100	175,600	162,400	117.0	130.0	20,545,200	21,112,000
OLMSTED	132,100	118,900	107,800	97,800	113.0	129.0	12,181,400	12,616,200
WABASHA	76,800	63,700	65,000	58,100	119.0	142.0	7,735,000	8,250,200
WINONA	83,900	71,500	70,300	63,700	126.0	145.0	8,857,800	9,236,500
SOUTHEAST	1,090,400	957,400	945,700	876,300	115.0	134.8	108,771,500	118,152,600
MINNESOTA	7,300,000	6,400,000	6,300,000	5,800,000	115.0	122.0	724,500,000	707,600,000

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	ACREAGE HARVESTED		*	YIELD PER HARVESTED ACRE		*	PRODUCTION	
	1985	1986		1985	1986		1985	1986
	- ACRES -			- TONS -			- TONS -	
BECKER	17,500	10,200		7.4	10.7		130,000	108,900
CLAY	8,200	4,000		9.0	11.8		73,900	47,300
CLEARWATER	4,000	3,800		5.7	7.6		22,600	29,000
KITTSO	500	1,200		6.4	7.7		3,200	9,200
MAHOMEN	5,800	4,100		9.3	10.7		53,700	43,800
MARSHALL	2,100	1,900		11.3	10.7		23,700	20,400
NORMAN	10,400	6,900		8.6	10.4		89,900	71,900
PENNINGTON	900	500		9.1	10.8		8,200	5,400
POLK	7,700	5,900		10.1	11.3		77,700	66,400
RED LAKE	4,500	3,600		9.5	10.7		42,600	38,600
ROSEAU	3,100	3,200		6.6	10.4		20,400	33,400
<u>NORTHWEST</u>	64,700	45,300		8.4	10.5		545,900	474,300
BELTRAMI	4,500	4,500		6.8	13.5		30,800	60,700
CASS	1,300	2,300		7.9	13.2		10,300	30,400
HUBBARD	1,300	1,100		8.5	12.4		11,000	13,600
KOOCHICHING	1,200	1,100		6.3	13.5		7,600	14,900
OTHER COUNTIES	400	700		8.3	10.9		3,300	7,600
<u>NORTH CENTRAL</u>	8,700	9,700		7.2	13.1		63,000	127,200
<u>NORTHEAST</u>	300	0		9.3	0.0		2,800	0
BIG STONE	4,400	2,700		10.5	14.9		46,000	40,300
CHIPPEWA	4,900	1,900		12.8	11.2		62,700	21,300
DOUGLAS	17,000	10,700		10.3	13.9		174,400	148,500
GRANT	4,000	3,000		9.6	12.1		38,400	36,400
LAC QUI PARLE	4,900	2,900		14.4	15.6		70,800	45,300
OTTER TAIL	44,000	27,700		9.0	12.3		396,900	340,400
POPE	8,400	7,600		12.0	14.1		101,000	106,800
STEVENS	8,000	3,000		10.5	14.3		84,100	42,800
SWIFT	5,200	2,600		11.8	10.2		61,400	26,600
TRAVERSE	2,300	1,500		16.5	17.1		38,000	25,600
WILKIN	3,900	700		11.5	12.3		44,700	8,600
YELLOW MEDICINE	6,900	2,500		11.0	12.6		75,900	31,500
<u>WEST CENTRAL</u>	113,900	66,800		10.5	13.1		1,194,300	874,100
BENTON	9,600	6,800		12.7	12.3		121,900	83,700
CARVER	14,200	9,600		13.4	13.3		190,000	127,500
KANDIYOHI	6,900	4,600		12.7	12.3		87,800	56,500
MCLEOD	9,300	6,800		17.0	14.4		158,000	98,200
MEEKER	11,600	4,700		11.2	12.4		130,300	58,100
MORRISON	21,200	17,600		11.9	12.6		252,700	221,600
RENVILLE	4,700	2,800		17.0	15.2		79,900	42,600
SCOTT	5,200	3,000		15.0	14.3		78,200	42,900
SHERBURNE	4,200	3,100		12.4	13.7		52,200	42,400
SIBLEY	6,100	3,300		17.1	18.4		104,600	60,600
STEARNS	60,500	51,700		13.0	13.1		785,700	676,100
TODD	41,500	26,800		9.3	12.5		385,400	335,100
WADENA	14,100	8,100		6.6	9.8		93,000	79,400
WRIGHT	13,800	13,000		13.9	15.1		191,400	196,300
<u>CENTRAL</u>	222,900	161,900		12.2	13.1		2,711,100	2,121,000

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86 (CONT'D)

DISTRICT AND COUNTY	ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1985	1986	1985	1986	1985	1986
	- ACRES -		- TONS -		- TONS -	
AITKIN	1,900	2,300	8.2	5.2	15,600	12,000
ANOKA	3,200	900	6.9	9.2	22,200	8,300
CARLTON	1,900	900	11.0	11.3	20,900	10,200
CHISAGO	4,600	3,200	15.8	12.7	72,700	40,500
CROW WING	3,400	2,500	7.9	10.6	26,700	26,400
HENNEPIN	1,800	1,800	14.5	12.4	26,100	22,300
ISANTI	4,300	2,000	14.2	12.9	60,900	25,700
KANABEC	14,700	7,900	10.0	11.9	147,100	94,000
MILLE LACS	11,000	6,300	11.7	14.7	129,200	92,700
PINE	16,700	10,400	9.8	12.2	164,400	127,000
OTHER COUNTIES	1,900	2,200	12.0	15.5	22,800	34,000
EAST CENTRAL	65,400	40,400	10.8	12.2	708,600	493,100
COTTONWOOD	10,400	4,000	17.6	15.5	182,700	62,000
JACKSON	8,500	3,400	17.2	16.9	145,800	57,400
LINCOLN	9,600	4,200	14.1	11.7	135,800	49,200
LYON	9,000	4,500	12.9	12.0	116,000	54,100
MURRAY	8,600	5,300	17.2	14.4	147,600	76,300
NOBLES	8,200	3,700	14.8	11.6	121,100	43,000
PIPESTONE	9,600	5,300	11.2	12.7	107,700	67,100
REDWOOD	8,000	2,600	16.6	14.7	132,400	38,100
ROCK	9,700	4,400	17.6	17.0	170,800	74,700
SOUTHWEST	81,600	37,400	15.4	14.0	1,259,900	521,900
BLUE EARTH	6,900	1,700	11.4	15.2	78,700	25,800
BROWN	9,000	4,200	17.3	16.1	156,100	67,600
FARIBAULT	7,300	2,000	18.0	15.9	131,400	31,800
FREEBORN	7,700	2,000	16.1	17.7	124,000	35,400
LESUEUR	5,700	800	13.8	14.3	78,800	11,400
MARTIN	6,200	1,800	16.6	14.2	102,900	25,500
NICOLLET	5,400	2,000	15.6	14.8	84,300	29,500
RICE	9,900	4,000	12.8	13.6	126,300	54,500
STEELE	9,200	1,700	15.0	12.9	138,400	21,900
WASECA	5,600	1,300	17.0	15.3	95,200	19,900
WATONWAN	4,500	1,200	19.8	17.8	89,300	21,400
SOUTH CENTRAL	77,400	22,700	15.6	15.2	1,205,400	344,700
DAKOTA	8,400	6,500	15.1	14.1	126,600	91,900
DODGE	6,600	3,600	15.4	17.8	101,900	64,000
FILLMORE	16,600	7,700	14.4	17.0	239,000	130,900
GOODHUE	16,600	7,800	14.0	17.9	231,800	139,700
HOUSTON	15,100	7,500	16.0	18.1	241,000	135,600
MOWER	10,600	3,500	17.3	16.8	182,900	58,900
OLMSTED	19,000	18,000	12.2	17.2	232,400	309,700
WABASHA	10,500	4,600	13.9	15.1	145,800	69,300
WINONA	11,700	6,600	15.6	18.0	182,600	118,700
SOUTHEAST	115,100	65,800	14.6	17.0	1,684,000	1,118,700
MINNESOTA	750,000	450,000	12.5	13.5	9,375,000	6,075,000

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	* ACREAGE * PLANTED		* ACREAGE * HARVESTED		* YIELD PER * HARVESTED ACRE		* PRODUCTION	
	1985	1986	1985	1986	1985	1986	1985	1986
	- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
BECKER	41,900	34,700	39,100	34,500	15.0	30.0	586,500	1,035,000
CLAY	83,100	70,800	81,200	69,800	23.0	35.0	1,867,600	2,443,000
CLEARWATER	500	500	400	500	19.0	22.0	7,600	11,000
KITTSO	3,100	1,500	2,500	1,400	16.0	21.0	40,000	29,400
MAHNOMEN	13,500	24,000	11,100	23,700	10.0	26.0	111,000	616,200
MARSHALL	33,200	26,000	31,500	25,800	20.0	27.0	630,000	696,600
NORMAN	48,300	58,900	47,100	58,400	18.0	31.0	847,800	1,810,400
PENNINGTON	3,100	1,500	2,900	1,500	19.0	25.0	55,100	37,500
POLK	40,100	25,400	36,100	25,200	21.0	31.0	758,100	781,200
RED LAKE	4,800	4,400	4,600	4,400	11.0	29.0	50,600	127,600
ROSEAU	1,300	1,300	1,300	1,100	9.0	23.0	11,700	25,300
<u>NORTHWEST</u>	272,900	249,000	257,800	246,300	19.0	30.9	4,966,000	7,613,200
<u>NORTH CENTRAL</u>	800	600	700	500	13.0	22.6	9,400	11,300
BIG STONE	67,500	67,400	66,800	65,800	31.0	35.0	2,070,800	2,303,000
CHIPPENAW	105,300	98,800	104,200	96,600	34.0	33.0	3,542,800	3,187,800
DOUGLAS	28,300	33,000	27,900	32,200	26.0	31.0	725,400	998,200
GRANT	88,400	85,200	86,600	82,700	23.0	32.0	1,991,800	2,646,400
LAC QUI PARLE	121,100	104,300	118,600	102,600	31.0	35.0	3,676,600	3,591,000
OTTER TAIL	46,800	39,500	45,900	38,900	27.0	35.0	1,239,300	1,361,500
POPE	38,200	36,900	37,800	36,000	27.0	30.0	1,020,600	1,080,000
STEVENS	90,100	83,700	87,200	82,400	29.0	32.0	2,528,800	2,636,800
SWIFT	103,700	91,300	102,200	89,000	29.0	31.0	2,963,800	2,759,000
TRAVERSE	87,700	100,900	86,500	98,800	33.0	33.0	2,854,500	3,260,400
WILKIN	84,300	82,200	82,600	81,000	29.0	34.0	2,395,400	2,754,000
YELLOW MEDICINE	163,800	150,700	161,700	148,900	35.0	34.0	5,659,500	5,062,600
<u>WEST CENTRAL</u>	1,025,200	973,900	1,008,000	954,900	30.0	33.1	30,669,300	31,640,700
BENTON	5,600	7,600	5,400	7,000	29.0	30.0	156,600	210,000
CARVER	27,400	24,400	26,700	24,200	32.0	38.0	854,400	919,600
KANDIYOH	102,500	89,000	101,300	87,500	30.0	31.0	3,039,000	2,712,500
MCLEOD	82,500	83,500	80,300	82,200	33.0	34.0	2,649,900	2,794,800
MEEKER	83,500	76,100	82,100	74,400	29.0	32.0	2,380,900	2,380,800
MORRISON	4,200	5,000	4,100	5,000	29.0	31.0	118,900	155,000
RENVILLE	241,400	225,900	238,700	218,900	35.0	34.0	8,354,500	7,442,600
SCOTT	34,800	33,400	34,000	33,300	32.0	38.0	1,088,000	1,265,400
SHERBURNE	13,300	13,500	13,000	13,400	34.0	40.0	442,000	536,000
SIBLEY	121,700	118,500	120,500	115,300	36.0	36.0	4,338,000	4,150,800
STEARNS	27,500	37,000	26,700	35,000	30.0	31.0	801,000	1,085,000
TODD	7,600	7,200	6,900	6,100	19.0	33.0	131,100	201,300
WADENA	2,000	2,500	1,900	2,500	20.0	30.0	38,000	75,000
WRIGHT	50,200	59,000	49,200	58,500	33.0	35.0	1,623,600	2,047,500
<u>CENTRAL</u>	804,200	782,600	790,800	763,300	33.0	34.0	26,015,900	25,976,300

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86 (CONT'D)

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1985	1986	1985	1986	1985	1986	1985	1986
	- ACRES -		- ACRES -		- BUSHELS -		- BUSHELS -	
ANOKA	9,500	10,300	9,100	10,100	23.0	29.0	209,300	292,900
CHISAGO	19,900	17,400	19,600	17,100	25.0	30.0	490,000	513,000
HENNEPIN	13,100	10,600	13,000	10,500	32.0	30.0	416,000	315,000
ISANTI	13,400	15,500	13,000	15,400	24.0	31.0	312,000	477,400
KANABEC	1,200	1,000	1,100	1,000	23.0	30.0	25,300	30,000
MILLE LACS	3,300	2,900	3,200	2,900	27.0	29.0	86,400	84,100
PINE	3,000	3,300	2,900	3,300	25.0	29.0	72,500	95,700
RAMSEY	2,000	1,500	1,900	1,500	31.0	36.0	58,900	54,000
WASHINGTON	20,300	19,800	20,100	19,600	31.0	35.0	623,100	686,000
EAST CENTRAL	85,700	82,300	83,900	81,400	27.0	31.3	2,293,500	2,548,100
COTTONWOOD	161,800	153,900	158,400	151,300	33.0	36.0	5,227,200	5,446,800
JACKSON	179,500	172,900	177,700	170,900	34.0	36.0	6,041,800	6,152,400
LINCOLN	85,200	80,800	83,200	71,300	28.0	30.0	2,329,600	2,139,000
LYON	137,200	130,900	134,300	129,100	36.0	35.0	4,834,800	4,518,500
MURRAY	153,400	149,900	148,400	146,600	32.0	34.0	4,748,800	4,984,400
NOBLES	169,400	169,700	166,900	157,100	29.0	31.0	4,840,100	4,870,100
PIPESTONE	67,100	72,600	66,200	72,000	30.0	31.0	1,985,000	2,232,000
REDWOOD	226,600	206,800	223,900	205,000	35.0	35.0	7,836,500	7,175,000
ROCK	82,800	82,500	82,000	81,700	34.0	32.0	2,788,000	2,614,400
SOUTHWEST	1,263,000	1,220,000	1,241,000	1,185,000	33.0	33.9	40,631,800	40,132,600
BLUE EARTH	179,800	176,300	172,200	173,100	37.0	40.0	6,371,400	6,924,000
BROWN	121,700	114,900	120,200	112,200	37.0	38.0	4,447,400	4,263,600
FARIBAULT	150,000	152,500	148,600	150,800	36.0	42.0	5,349,600	6,333,600
FREEBORN	121,900	121,600	120,300	120,300	34.0	41.0	4,090,200	4,932,300
LESUEUR	79,700	76,800	78,900	75,600	37.0	40.0	2,919,300	3,024,000
MARTIN	188,000	183,400	186,300	181,800	36.0	44.0	6,706,800	7,999,200
NICOLLET	88,300	81,100	86,500	79,300	38.0	38.0	3,287,000	3,013,400
RICE	47,200	43,900	46,200	43,500	30.0	41.0	1,386,000	1,783,500
STEELE	74,500	71,700	73,700	70,700	32.0	39.0	2,358,400	2,757,300
WASECA	71,100	63,400	70,300	62,100	36.0	40.0	2,530,800	2,484,000
WATONWAN	94,800	91,800	93,800	89,600	39.0	41.0	3,658,200	3,673,600
SOUTH CENTRAL	1,217,000	1,177,400	1,197,000	1,159,000	36.0	40.7	43,105,100	47,188,500
DAKOTA	66,200	68,500	65,200	67,500	31.0	40.0	2,021,200	2,700,000
DODGE	64,400	61,000	62,600	60,200	29.0	37.0	1,815,400	2,227,400
FILLMORE	45,600	33,300	44,900	33,100	27.0	35.0	1,212,300	1,158,500
GOODHUE	47,300	42,600	46,100	42,200	30.0	39.0	1,383,000	1,645,800
HOUSTON	4,000	2,200	3,700	2,200	37.0	41.0	136,900	90,200
MOWER	140,700	142,000	137,000	141,000	29.0	36.0	3,973,000	5,076,000
OLMSTED	38,300	44,500	37,300	43,400	27.0	37.0	1,007,100	1,605,800
WABASHA	16,500	12,900	16,100	12,800	32.0	40.0	515,200	512,000
WINONA	8,200	7,200	7,900	7,200	31.0	38.0	244,900	273,600
SOUTHEAST	431,200	414,200	420,800	409,600	29.0	37.3	12,309,000	15,289,300
MINNESOTA	5,100,000	4,900,000	5,000,000	4,800,000	32.0	35.5	160,000,000	170,400,000

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ALL WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1985-86 (CONT'D)

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1985	1986	1985	1986	1985	1986	1985	1986
	- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
AITKIN	800	700	800	600	34.3	27.5	27,400	16,500
ANOKA	700	600	600	500	35.0	34.0	21,000	17,000
HENNEPIN	2,400	1,600	2,100	1,400	40.2	37.1	84,500	52,000
ISANTI	700	500	700	500	32.9	30.2	23,000	15,100
MILLE LACS	1,000	700	900	600	33.1	27.7	29,800	16,600
WASHINGTON	2,100	1,400	1,800	1,100	42.5	39.0	76,500	42,900
OTHER COUNTIES	1,500	1,300	1,500	1,100	31.9	29.2	47,800	32,100
EAST CENTRAL	9,200	6,800	8,400	5,800	36.9	33.1	310,000	192,200
COTTONWOOD	4,400	6,100	4,200	5,900	52.4	41.7	220,100	245,900
JACKSON	1,000	2,100	900	2,000	49.8	39.8	44,800	79,600
LINCOLN	26,700	25,000	25,500	20,400	51.7	36.0	1,318,700	734,400
LYON	30,900	28,400	30,000	27,700	53.9	39.0	1,617,900	1,081,600
MURRAY	12,400	15,200	11,900	14,200	48.9	41.0	582,200	581,500
NOBLES	3,200	2,800	3,200	2,300	51.3	36.7	164,000	84,500
PIPESTONE	4,600	4,800	4,600	4,600	46.8	35.0	215,400	161,000
REDWOOD	10,700	13,300	10,100	11,400	48.2	38.0	486,400	433,200
ROCK	500	600	500	500	48.4	35.0	24,200	17,500
SOUTHWEST	94,400	98,300	90,900	89,000	51.4	38.4	4,673,700	3,419,200
BLUE EARTH	3,600	3,500	3,000	2,500	48.0	40.8	144,000	102,000
BROWN	5,800	7,500	5,600	6,500	52.0	37.2	291,400	241,900
FARIBAULT	1,300	1,600	1,300	1,400	52.9	40.1	68,800	56,200
FREEBORN	1,100	1,300	700	1,200	52.3	37.0	36,600	44,400
LESUEUR	8,000	10,400	7,000	8,700	50.7	41.7	355,000	362,700
MARTIN	700	900	700	900	52.9	36.1	37,000	32,500
NICOLLET	5,100	9,400	4,900	8,400	54.1	41.1	265,000	345,600
RICE	2,400	2,800	2,400	2,700	44.1	43.6	105,900	117,600
STEELE	4,300	6,900	4,200	6,600	52.9	41.9	222,300	276,500
WASECA	1,600	3,000	1,600	1,600	55.5	46.1	88,800	73,800
WATONWAN	1,000	1,300	900	1,100	51.9	36.7	46,700	40,400
SOUTH CENTRAL	34,900	48,600	32,300	41,600	51.4	40.7	1,661,500	1,693,600
DAKOTA	7,200	6,800	6,900	5,300	41.8	41.5	288,600	219,800
DODGE	1,600	1,100	1,600	800	41.3	39.0	66,000	31,200
GOODHUE	3,600	3,700	3,500	3,200	43.9	40.3	153,500	128,800
MOWER	1,900	2,000	1,900	1,900	48.5	40.1	92,200	76,100
OLMSTED	1,200	1,200	1,200	1,100	47.0	43.2	56,400	47,500
WABASHA	700	700	700	600	42.3	41.0	29,600	24,600
WINONA	600	700	600	700	42.0	39.7	25,200	27,800
OTHER COUNTIES	1,100	1,100	1,000	1,000	45.0	41.2	45,000	45,300
SOUTHEAST	17,900	17,300	17,400	14,700	43.5	40.9	756,500	601,100
MINNESOTA	2,835,000	2,965,000	2,683,000	2,814,000	53.1	36.8	142,426,000	103,666,000

SPRING WHEAT (OTHER THAN DURUM): ACREAGE, YIELD AND PRODUCTION,

BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	ACREAGE PLANTED		*	ACREAGE HARVESTED		*	YIELD PER HARVESTED ACRE		*	PRODUCTION	
	1985	1986	*	1985	1986	*	1985	1986	*	1985	1986

	- ACRES -			- ACRES -			- BUSHELS -			- BUSHELS -	
BECKER	42,800	50,600		42,700	49,800		50.0	33.0		2,135,000	1,643,400
CLAY	120,200	129,300		119,500	126,000		57.0	37.0		6,811,500	4,662,000
CLEARWATER	15,500	16,800		14,900	16,500		34.0	28.0		506,600	462,000
KITTSO	216,500	251,500		202,500	240,800		57.0	39.0		11,542,500	9,391,200
MAHONOMEN	24,200	28,600		23,400	27,300		50.0	36.0		1,170,000	982,800
MARSHALL	266,100	291,800		259,000	283,700		61.0	43.0		15,799,000	12,199,100
NORMAN	167,500	205,200		166,000	200,300		59.0	38.0		9,794,000	7,611,400
PENNINGTON	75,800	83,800		75,700	82,800		49.0	33.0		3,709,300	2,732,400
POLK	298,900	356,300		297,300	345,200		60.0	44.0		17,838,000	15,188,800
RED LAKE	52,300	70,200		50,900	68,500		52.0	30.0		2,646,800	2,055,000
ROSEAU	152,500	142,200		124,500	137,100		45.0	35.0		5,602,500	4,798,500
<u>NORTHWEST</u>	1,432,300	1,626,300		1,376,400	1,578,000		56.3	39.1		77,555,200	61,726,600
BELTRAMI	6,700	5,300		5,400	5,100		25.0	23.0		135,000	117,300
CASS	400	600		400	500		26.0	28.0		10,400	14,000
HUBBARD	800	600		800	600		40.0	29.0		32,000	17,400
ITASCA	500	600		500	200		26.0	25.0		13,000	5,000
KOOCHICHING	1,600	1,800		1,200	1,300		31.0	33.0		37,200	42,900
LAKE OF THE WOODS	12,000	13,800		9,200	12,600		37.0	30.0		340,400	378,000
<u>NORTH CENTRAL</u>	22,000	22,700		17,500	20,300		32.5	28.3		568,000	574,600
ST LOUIS	600	600		600	400		33.0	30.0		19,800	12,000
<u>NORTHEAST</u>	600	600		600	400		33.0	30.0		19,800	12,000
BIG STONE	51,700	57,200		51,400	56,100		54.0	28.0		2,775,600	1,570,800
CHIPPEWA	68,500	67,500		67,900	66,000		57.0	37.0		3,870,300	2,442,000
DOUGLAS	15,000	17,600		14,700	16,500		45.0	31.0		661,500	511,500
GRANT	75,700	82,700		74,100	77,100		53.0	32.0		3,927,300	2,467,200
LAC QUI PARLE	95,200	93,600		92,700	91,000		55.0	38.0		5,098,500	3,458,000
OTTER TAIL	80,600	90,300		78,700	86,200		56.0	34.0		4,407,200	2,930,800
POPE	26,600	29,500		26,300	28,000		48.0	36.0		1,262,400	1,008,000
STEVENS	59,100	65,100		57,800	63,400		52.0	31.0		3,005,600	1,965,400
SWIFT	53,600	64,700		52,000	62,100		47.0	35.0		2,444,000	2,173,500
TRAVERSE	105,400	122,200		104,600	118,300		53.0	26.0		5,543,800	3,075,800
WILKIN	103,000	115,500		101,100	111,100		58.0	30.0		5,863,800	3,333,000
YELLOW MEDICINE	51,100	55,400		49,200	53,800		58.0	41.0		2,853,600	2,205,800
<u>WEST CENTRAL</u>	785,500	861,300		770,500	829,600		54.1	32.7		41,713,600	27,141,800
CARVER	3,300	4,000		3,200	3,900		55.0	45.0		176,000	175,500
KANDIYOHI	15,600	17,200		15,500	16,500		52.0	37.0		806,000	610,500
MCLEOD	10,500	12,100		10,400	11,300		53.0	38.0		551,200	429,400
MEEKER	4,500	5,000		4,500	4,600		52.0	37.0		234,000	170,200
MORRISON	2,800	3,100		2,800	2,900		37.0	32.0		103,600	92,800
RENVILLE	24,300	26,700		24,100	25,300		55.0	41.0		1,325,500	1,037,300
SCOTT	4,400	4,700		4,400	4,200		45.0	40.0		198,000	168,000
SHERBURNE	1,400	1,700		1,400	1,600		34.0	31.0		47,600	49,600
SIBLEY	6,700	7,400		6,600	6,800		56.0	37.0		369,600	251,600
STEARNS	4,400	5,100		4,300	4,900		45.0	37.0		193,500	181,300
TODD	1,700	1,600		1,500	1,400		43.0	30.0		64,500	42,000
WRIGHT	1,900	2,200		1,700	2,200		46.0	35.0		78,200	77,000
OTHER COUNTIES	700	800		700	600		32.7	27.2		22,900	16,300
<u>CENTRAL</u>	82,200	91,600		81,100	86,200		51.4	38.3		4,170,600	3,301,500

SPRING WHEAT (OTHER THAN DURUM): ACREAGE, YIELD AND PRODUCTION,
BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86 (CONT'D)

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1985	1986	1985	1986	1985	1986	1985	1986
	- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
AITKIN	600	600	600	500	35.0	27.0	21,000	13,500
HENNEPIN	500	500	500	500	41.0	32.0	20,500	16,000
OTHER COUNTIES	1,800	1,900	1,800	1,600	33.8	33.4	60,800	53,400
EAST CENTRAL	2,900	3,000	2,900	2,600	35.3	31.9	102,300	82,900
COTTONWOOD	4,000	5,700	3,900	5,600	53.0	42.0	206,700	235,200
JACKSON	700	1,900	700	1,900	52.0	40.0	36,400	76,000
LINCOLN	25,400	23,900	24,800	20,000	52.0	36.0	1,289,600	720,000
LYON	30,500	28,000	29,600	27,400	54.0	39.0	1,598,400	1,068,600
MURRAY	12,000	15,000	11,500	14,100	49.0	41.0	563,500	578,100
NOBLES	2,400	2,100	2,400	2,000	53.0	37.0	127,200	74,000
PIPESTONE	4,400	4,600	4,400	4,500	47.0	35.0	206,800	157,500
REDWOOD	8,900	11,800	8,700	11,000	49.0	38.0	426,300	418,000
ROCK	400	500	400	500	50.0	35.0	20,000	17,500
SOUTHWEST	88,700	93,500	86,400	87,000	51.8	38.4	4,474,900	3,344,900
BLUE EARTH	2,100	2,200	2,000	2,000	50.0	40.0	100,000	80,000
BROWN	4,800	6,500	4,700	6,100	53.0	37.0	249,100	225,700
FARIBAULT	600	1,100	600	1,000	52.0	41.0	31,200	41,000
FREEBORN	600	900	600	900	53.0	37.0	31,800	33,300
LESUEUR	5,600	8,300	5,000	7,200	51.0	41.0	255,000	295,200
MARTIN	500	700	500	700	54.0	35.0	27,000	24,500
NICOLLET	4,500	8,900	4,400	8,100	55.0	41.0	242,000	332,100
RICE	2,000	2,500	2,000	2,400	43.0	44.0	86,000	105,600
STEELE	4,200	6,700	4,100	6,400	53.0	42.0	217,300	268,800
WASECA	1,300	2,700	1,300	1,400	57.0	47.0	74,100	65,800
WATONWAN	800	1,100	700	900	53.0	36.0	37,100	32,400
SOUTH CENTRAL	27,000	41,600	25,900	37,100	52.1	40.5	1,350,600	1,504,400
DAKOTA	1,900	2,200	1,900	2,100	44.0	41.0	83,600	86,100
DODGE	1,000	600	1,000	600	39.0	37.0	39,000	22,200
FILLMORE	500	500	500	500	50.0	43.0	25,000	21,500
GOODHUE	2,300	2,600	2,200	2,200	45.0	41.0	99,000	90,200
MOWER	1,600	1,700	1,600	1,600	49.0	41.0	78,400	65,600
OLMSTED	800	900	800	900	49.0	45.0	39,200	40,500
OTHER COUNTIES	700	900	700	900	44.0	39.1	30,800	35,200
SOUTHEAST	8,800	9,400	8,700	8,800	45.4	41.1	395,000	361,300
MINNESOTA	2,450,000	2,750,000	2,370,000	2,650,000	55.0	37.0	130,350,000	98,050,000

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	* * *	ACREAGE PLANTED	* * *	ACREAGE HARVESTED	* * *	YIELD PER HARVESTED ACRE	* * *	PRODUCTION	
		1985	1986	1985	1986	1985	1986	1985	1986
*****		*****	*****	*****	*****	*****	*****	*****	*****
		- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
BECKER		30,500	33,800	24,100	25,700	53.0	44.0	1,282,000	1,130,800
CLAY		16,200	9,700	11,000	6,100	66.0	71.0	721,600	433,100
CLEARWATER		18,300	11,800	12,800	9,400	58.0	61.0	748,100	573,400
KITSON		15,900	19,000	7,000	3,800	63.0	60.0	437,500	228,000
MAHNOMEN		3,400	2,400	2,700	1,800	58.0	61.0	156,300	109,800
MARSHALL		14,200	29,900	8,700	7,500	68.0	55.0	590,700	412,500
NORMAN		9,200	7,300	6,700	3,300	79.0	67.0	531,700	221,100
PENNINGTON		25,300	15,400	20,300	12,500	77.0	53.0	1,561,000	662,500
POLK		11,500	11,600	8,700	5,200	70.0	63.0	609,300	327,600
RED LAKE		23,800	15,300	17,500	10,200	83.0	57.0	1,444,000	581,400
ROSEAU		18,000	10,100	9,600	6,600	63.0	60.0	606,800	396,000
NORTHWEST		186,300	166,300	129,100	92,100	67.3	55.1	8,689,000	5,076,200
BELTRAMI		14,800	19,600	9,800	12,500	48.0	47.0	471,200	587,500
CASS		13,800	14,000	9,000	5,400	49.0	33.0	439,200	178,200
HUBBARD		10,000	7,900	8,100	1,600	49.0	37.0	399,300	59,200
ITASCA		9,300	18,700	5,700	7,400	46.0	34.0	264,300	251,600
KOOCHICHIING		7,500	10,600	4,900	2,400	41.0	41.0	200,400	98,400
LAKE OF THE WOODS		7,900	12,400	4,200	7,400	43.0	52.0	182,300	384,800
NORTH-CENTRAL		63,300	83,200	41,700	36,700	46.9	42.5	1,956,700	1,559,700
ST LOUIS		9,300	7,700	5,000	1,800	53.0	36.0	263,000	64,800
OTHR COUNTIES		200	500	0	100	0	31.0	0	3,100
NORTHEAST		9,500	8,200	5,000	1,900	53.0	35.7	263,000	67,900
BIG STONE		17,500	7,600	10,200	4,000	88.0	45.0	894,500	180,000
CHIPPEWA		11,100	14,100	7,700	3,200	82.0	60.0	629,300	192,000
DOUGLAS		51,300	44,500	43,700	32,300	65.0	40.0	2,855,000	1,292,000
GRANT		7,200	7,400	5,400	1,900	81.0	59.0	435,200	112,100
LAC QUI PARLE		12,300	10,900	5,500	2,200	86.0	45.0	474,100	99,000
OTTER TAIL		123,400	90,300	97,000	68,900	66.0	50.0	6,440,800	3,445,000
POPE		41,500	29,200	32,700	19,500	71.0	40.0	2,334,800	780,000
STEVENS		11,800	6,700	9,700	3,000	80.0	51.0	778,200	153,000
SWIFT		19,700	8,500	13,300	1,900	67.0	53.0	895,100	100,700
TRAVERSE		6,100	8,300	5,300	3,000	85.0	51.0	448,400	153,000
WILKIN		5,400	5,400	3,400	1,200	76.0	47.0	260,000	56,400
YELLOW MEDICINE		8,500	14,200	4,500	3,200	86.0	54.0	385,600	172,800
WEST CENTRAL		315,800	247,100	238,400	144,300	70.6	46.7	16,831,000	6,736,000
BENTON		17,700	17,800	13,300	10,100	65.0	34.0	860,900	343,400
CARVER		19,400	18,500	16,200	14,900	77.0	62.0	1,245,000	923,800
KANDIYOHI		29,900	29,700	22,900	16,500	72.0	59.0	1,650,000	973,500
MCLEOD		17,800	18,200	13,900	11,200	77.0	55.0	1,068,900	616,000
MEEKER		23,800	28,600	17,300	16,600	79.0	54.0	1,373,600	896,400
MORRISON		38,300	37,300	31,400	22,000	71.0	44.0	2,242,000	968,000
RENVILLE		9,400	9,300	6,600	3,000	87.0	64.0	575,200	192,000
SCOTT		13,500	8,700	8,300	4,300	76.0	52.0	632,200	223,600
SHERBURNE		4,600	4,600	3,400	2,600	58.0	56.0	198,200	145,600
SIBLEY		15,800	20,100	9,900	8,700	75.0	70.0	741,500	609,000
STEARNS		111,900	108,400	88,600	77,500	70.0	40.0	6,237,400	3,100,000
TODD		53,800	42,200	40,000	28,600	64.0	34.0	2,544,000	972,400
WADENA		14,800	15,100	11,500	10,900	54.0	38.0	622,100	414,200
WRIGHT		23,200	17,100	17,900	10,900	71.0	42.0	1,269,100	457,800
CENTRAL		393,900	375,600	301,200	237,800	70.6	45.6	21,260,100	10,835,700

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86 (CONT'D)

DISTRICT *	ACREAGE *		ACREAGE *		YIELD PER *		PRODUCTION *	
AND *	PLANTED *		HARVESTED *		HARVESTED ACRE *			
COUNTY *	1985	1986 *	1985	1986 *	1985	1986 *	1985	1986

	- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
AITKIN	5,000	4,200	3,400	2,200	61.0	43.0	206,500	94,600
ANOKA	4,400	7,700	3,200	6,000	67.0	52.0	214,700	312,000
CARLTON	8,900	11,700	8,000	4,300	59.0	40.0	474,900	172,000
CHISAGO	6,700	4,600	5,200	2,000	62.0	36.0	321,000	72,000
CROW WING	13,500	15,100	12,000	11,000	60.0	37.0	720,800	407,000
HENNEPIN	7,800	10,000	5,600	7,000	69.0	45.0	383,900	315,000
ISANTI	8,500	7,500	6,000	3,900	65.0	40.0	392,900	156,000
KANABEC	8,100	7,600	5,100	5,100	63.0	45.0	320,800	229,500
MILLE LACS	13,400	11,800	8,700	5,500	66.0	40.0	577,500	220,000
PINE	20,500	24,600	15,500	11,300	58.0	39.0	895,900	440,700
RAMSEY	200	800	100	800	70.0	54.0	7,000	43,200
WASHINGTON	4,700	4,600	3,400	3,200	58.0	46.0	195,800	147,200
EAST CENTRAL	101,700	110,200	76,200	62,300	61.8	41.9	4,711,700	2,609,200
COTTONWOOD	6,800	6,700	3,400	1,000	70.0	52.0	238,300	52,000
JACKSON	12,400	30,400	4,500	1,400	74.0	53.0	333,900	74,200
LINCOLN	12,300	19,100	9,800	8,100	93.0	47.0	915,300	380,700
LYON	23,300	36,900	15,100	11,100	95.0	57.0	1,440,500	632,700
MURRAY	18,100	21,400	10,200	5,100	85.0	58.0	862,000	295,800
NOBLES	20,500	23,200	11,700	6,800	81.0	45.0	946,500	306,000
PIPESTONE	19,200	26,200	13,800	12,400	80.0	58.0	1,109,500	719,200
REDWOOD	12,000	13,200	6,800	2,400	81.0	60.0	550,300	144,000
ROCK	15,300	14,000	8,400	4,800	81.0	46.0	680,400	220,800
SOUTHWEST	139,900	191,100	83,700	53,100	84.5	53.2	7,076,700	2,825,400
BLUE EARTH	5,100	4,100	1,900	400	81.0	64.0	154,700	25,600
BROWN	14,300	20,800	9,300	6,100	86.0	50.0	802,600	305,000
FARIBAULT	10,200	12,300	2,600	2,000	94.0	53.0	245,400	106,000
FREEBORN	18,800	38,200	9,900	9,900	74.0	60.0	736,600	593,800
LESUEUR	5,400	5,100	3,200	1,900	79.0	62.0	252,200	117,800
MARTIN	8,700	16,400	3,100	1,700	85.0	57.0	264,700	96,900
NICOLLET	11,500	13,100	5,800	3,000	83.0	67.0	483,100	201,000
RICE	13,000	16,700	8,800	6,900	70.0	57.0	615,700	393,300
STEELE	12,400	15,000	8,100	6,300	72.0	66.0	585,100	415,800
WASECA	4,100	7,600	1,800	1,100	84.0	71.0	151,900	78,100
WATONWAN	5,500	11,100	1,500	1,000	90.0	58.0	135,300	58,000
SOUTH CENTRAL	109,000	160,400	56,000	40,300	79.1	59.3	4,427,300	2,391,300
DAKOTA	11,900	14,900	8,600	8,100	62.0	56.0	535,900	453,600
DODGE	18,400	31,800	13,300	19,000	69.0	66.0	923,000	1,254,000
FILLMORE	33,200	36,200	24,500	30,000	70.0	64.0	1,717,300	1,920,000
GOODHUE	37,100	40,400	26,500	27,000	68.0	62.0	1,812,600	1,674,000
HOUSTON	19,500	20,400	13,200	14,300	66.0	62.0	868,800	886,600
MOWER	28,400	30,200	19,700	15,200	75.0	63.0	1,485,400	957,600
OLMSTED	31,900	26,800	26,600	21,400	71.0	57.0	1,899,200	1,219,800
WABASHA	22,800	23,800	19,300	19,900	72.0	62.0	1,397,300	1,233,800
WINONA	27,400	33,400	17,000	26,600	67.0	62.0	1,145,000	1,649,200
SOUTHEAST	230,600	257,900	168,700	181,500	69.9	62.0	11,784,500	11,248,600
MINNESOTA	1,550,000	1,600,000	1,100,000	850,000	70.0	51.0	77,000,000	43,350,000

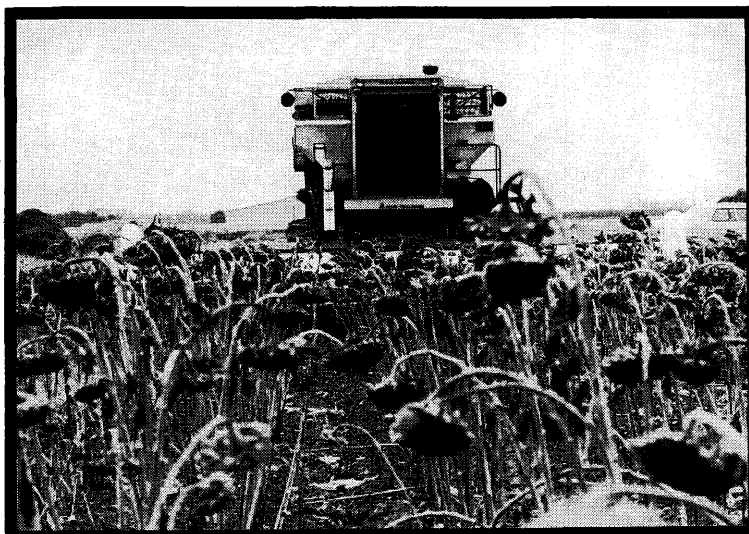
BARLEY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	* ACREAGE PLANTED *		* ACREAGE HARVESTED *		* YIELD PER HARVESTED ACRE *		* PRODUCTION *	
	1985	1986	1985	1986	1985	1986	1985	1986
	- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
BECKER	35,700	41,500	35,700	39,000	62.0	54.0	2,213,400	2,106,000
CLAY	66,500	79,700	58,900	64,800	67.0	60.0	3,946,300	3,888,000
CLEARWATER	4,100	4,800	4,100	4,400	47.0	41.0	192,700	180,400
KITTSO	81,300	85,500	71,000	70,200	74.0	60.0	5,254,000	4,212,000
MAHNOMEN	62,600	61,500	61,000	52,600	54.0	58.0	3,294,000	3,050,800
MARSHALL	155,700	157,400	139,000	127,700	68.0	62.0	9,452,000	7,917,400
NORMAN	126,500	125,900	111,300	58,000	66.0	54.0	7,345,800	3,132,000
PENNINGTON	57,500	55,600	57,500	53,900	63.0	54.0	3,622,500	2,910,600
POLK	211,200	211,600	186,300	170,800	71.0	64.0	13,221,300	10,931,200
RED LAKE	42,400	41,000	41,900	39,000	65.0	50.0	2,723,500	1,950,000
ROSEAU	83,300	79,200	53,600	77,200	54.0	50.0	2,894,400	3,860,000
NORTHWEST	926,800	943,700	820,300	757,600	66.0	58.3	54,159,900	44,138,400
BELTRAMI	3,400	2,700	2,700	2,700	35.0	40.0	94,500	108,000
HUBBARD	2,600	3,000	2,400	3,000	50.0	45.0	120,000	135,000
KOOCHICHING	1,000	1,300	800	800	35.0	43.0	28,000	34,400
LAKE OF THE WOODS	7,000	5,400	4,600	5,400	49.0	50.0	225,400	270,000
OTHER COUNTIES	400	600	400	400	34.0	37.5	13,600	15,000
NORTH CENTRAL	14,400	13,000	10,900	12,300	44.2	45.7	481,500	562,400
ST LOUIS	800	700	800	500	32.0	37.0	25,600	18,500
NORTHEAST	800	700	800	500	32.0	37.0	25,600	18,500
BIG STONE	11,900	9,700	11,600	9,700	69.0	48.0	800,400	465,600
CHIPPEWA	800	1,000	800	1,000	65.0	58.0	52,000	58,000
DOUGLAS	6,800	7,200	5,800	7,200	65.0	37.0	377,000	266,400
GRANT	35,100	32,400	33,100	32,300	65.0	46.0	2,151,500	1,485,800
LAC QUI PARLE	700	700	700	700	75.0	63.0	52,500	44,100
OTTER TAIL	30,600	39,800	27,600	39,400	62.0	49.0	1,711,200	1,930,600
POPE	3,200	3,800	2,900	3,800	62.0	38.0	179,800	144,400
STEVENS	20,600	16,800	19,000	16,800	68.0	41.0	1,292,000	688,800
SWIFT	2,100	2,400	2,000	2,400	65.0	44.0	130,000	105,600
TRAVERSE	39,200	29,400	39,200	27,900	71.0	35.0	2,783,200	976,500
WILKIN	85,100	75,200	80,900	66,500	70.0	47.0	5,663,000	3,125,500
YELLOW MEDICINE	700	900	500	900	75.0	61.0	37,500	54,900
WEST CENTRAL	236,800	219,300	224,100	208,600	68.0	44.8	15,230,100	9,346,200
BENTON	1,200	1,200	1,000	1,000	60.0	35.0	60,000	35,000
MORRISON	700	900	600	800	43.0	39.0	25,800	31,200
STEARNS	3,200	3,800	2,900	3,700	57.0	36.9	165,300	136,500
TODD	2,200	3,000	1,900	2,800	49.0	34.0	93,100	95,200
WADENA	1,100	1,200	1,000	1,200	48.0	37.0	48,000	44,500
OTHER COUNTIES	1,900	2,000	1,800	1,700	60.2	55.0	108,400	93,500
CENTRAL	10,300	12,100	9,200	11,200	54.4	38.9	500,600	435,900
EAST CENTRAL	2,900	2,600	2,700	2,100	48.1	36.8	129,900	77,200
SOUTHWEST	3,200	2,200	3,000	2,000	61.8	50.6	185,500	101,200
SOUTH CENTRAL	1,500	1,400	1,300	1,300	63.7	55.2	82,800	71,700
SOUTHEAST	3,300	5,000	2,700	4,400	57.1	56.5	154,100	248,500
MINNESOTA	1,200,000	1,200,000	1,075,000	1,000,000	66.0	55.0	70,950,000	55,000,000

ALL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1985-86 ^{1/}

DISTRICT AND COUNTY	ACREAGE PLANTED		*	ACREAGE HARVESTED		*	YIELD PER HARVESTED ACRE		*	PRODUCTION	
	1985	1986		1985	1986		1985	1986		1985	1986
	- ACRES -			- ACRES -			- POUNDS -			- POUNDS -	
BECKER	4,300	2,000		4,100	1,500		510	1,480		2,091,000	2,220,000
CLAY	17,800	8,000		16,600	7,600		1,069	1,643		17,749,000	12,490,000
CLEARWATER	5,900	5,400		5,600	5,300		660	1,500		3,696,000	7,950,000
KITTSO	15,500	8,500		13,100	7,800		881	1,497		11,543,500	11,680,000
MAHNOMEN	3,900	2,000		3,200	2,000		510	1,500		1,632,000	3,000,000
MARSHALL	28,700	23,400		26,500	22,900		905	1,617		23,980,700	37,030,000
NORMAN	34,600	13,800		32,400	13,500		973	1,582		31,538,000	21,350,000
PENNINGTON	24,100	22,200		18,800	21,700		837	1,289		15,740,000	27,965,000
POLK	47,900	35,200		45,400	34,400		1,020	1,650		46,312,800	56,760,000
RED LAKE	20,300	15,600		19,200	15,300		740	1,415		14,214,500	21,645,000
ROSEAU	23,500	13,500		17,200	12,700		802	1,317		13,785,000	16,730,000
<u>NORTHWEST</u>	226,500	149,600		202,100	144,700		902	1,512		182,282,500	218,820,000
LAKE OF THE WOODS	3,000	1,000		2,600	1,000		430	1,250		1,118,000	1,250,000
OTHER COUNTIES	3,100	400		2,500	400		618	1,200		1,545,000	480,000
<u>NORTH CENTRAL</u>	6,100	1,400		5,100	1,400		522	1,236		2,663,000	1,730,000
<u>NORTHEAST</u>	500	0		400	0		500	0		200,000	0
OTTER TAIL	2,500	1,300		2,500	1,300		815	1,539		2,037,500	2,000,000
WILKIN	1,700	700		1,700	700		1,097	1,571		1,865,000	1,100,000
OTHER COUNTIES	4,700	900		4,200	900		1,134	1,367		4,762,000	1,230,000
<u>WEST CENTRAL</u>	8,900	2,900		8,400	2,900		1,032	1,493		8,664,500	4,330,000
<u>CENTRAL</u>	1,700	600		1,700	500		1,341	1,350		2,280,000	675,000
<u>EAST CENTRAL</u>	500	0		500	0		1,220	0		610,000	0
<u>SOUTHWEST</u>	300	200		300	200		1,233	1,300		370,000	260,000
<u>SOUTH CENTRAL</u>	100	100		100	100		1,450	1,000		145,000	100,000
<u>SOUTHEAST</u>	400	200		400	200		1,413	1,425		565,000	285,000
MINNESOTA	245,000	155,000		219,000	150,000		903	1,508		197,780,000	226,200,000

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

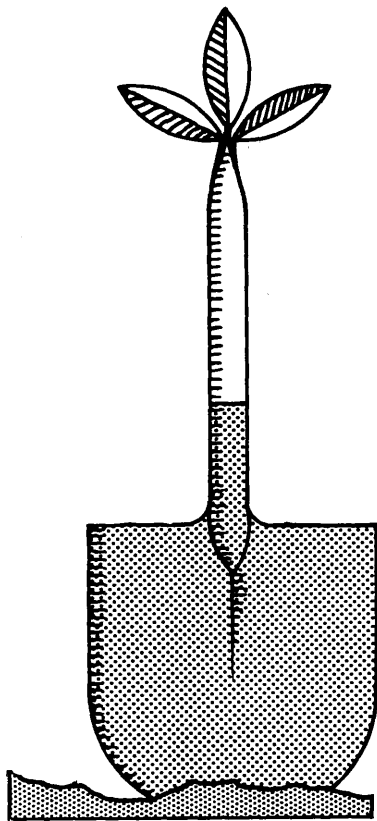


POTATOES: ACREAGE, YIELD AND PRODUCTION, BY SELECTED COUNTIES, MINNESOTA 1985-1986

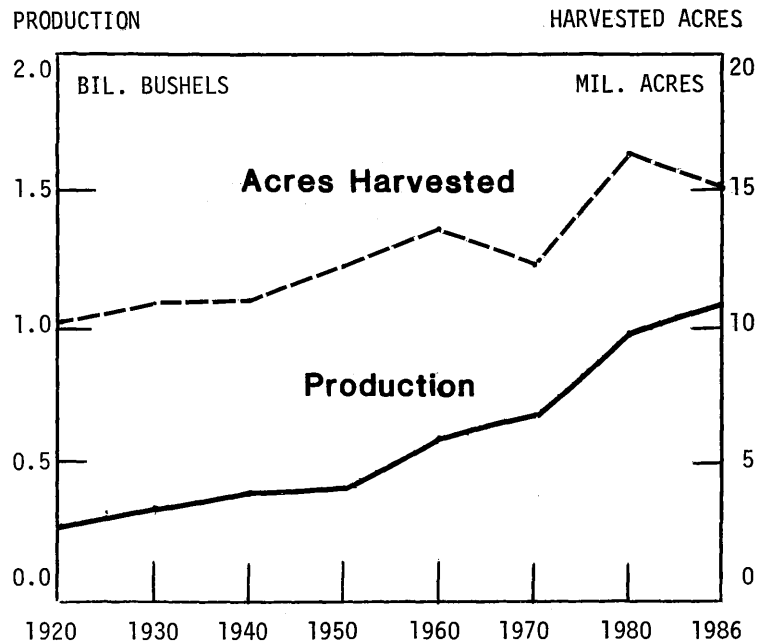
COUNTY	* ACREAGE *		* ACREAGE *		* YIELD PER *		* PRODUCTION *	
	* PLANTED *		* HARVESTED *		* HARVESTED ACRE *		* 1985 1986 *	
	1985	1986	1985	1986	1985	1986	1985	1986
	-ACRES-		-ACRES-		-CWT-		-CWT-	
CLAY	7,900	6,500	6,400	6,200	165	145	1,056,000	899,000
KITTSOON	5,700	4,500	2,600	4,200	115	120	299,000	504,000
MARSHALL	11,800	10,500	9,000	10,000	130	130	1,170,000	1,300,000
NORMAN	1,700	1,300	1,600	1,300	130	130	208,000	169,000
POLK	26,700	24,100	26,200	23,900	180	170	4,716,000	4,063,000
LAKE OF THE WOODS	600	700	300	700	120	150	36,000	105,000
WILKIN	900	800	800	700	155	130	124,000	91,000
SHERBURNE	4,300	5,200	4,200	5,200	290	245	1,218,000	1,274,000
ANOKA	800	700	700	600	230	175	161,000	105,000
HENNEPIN	800	700	800	700	275	250	220,000	175,000
FREEBORN	4,200	3,500	4,100	3,300	210	210	861,000	693,000
OTHER COUNTIES	19,800	19,800	18,800	19,400	312	305	5,864,000	5,915,000
MINNESOTA	85,200	78,300	75,500	76,200	211	201	15,933,000	15,293,000

SUGARBEETS: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1985-86

DISTRICT AND COUNTY	* ACREAGE *		* ACREAGE *		* YIELD PER *		* PRODUCTION *	
	* PLANTED *		* HARVESTED *		* HARVESTED ACRE *		* 1985 1986 *	
	1985	1986	1985	1986	1985	1986	1985	1986
	- ACRES -		- ACRES -		- TONS -		- TONS -	
CLAY	42,700	49,200	42,700	47,900	17.1	18.0	728,200	864,000
KITTSOON	14,800	17,200	14,800	17,200	15.1	14.7	223,400	253,700
MARSHALL	20,500	20,700	20,400	20,700	16.0	16.7	326,700	346,000
NORMAN	24,900	28,000	24,600	27,600	17.9	17.1	441,500	473,000
POLK	75,900	88,900	75,800	88,800	17.5	18.1	1,328,600	1,603,700
<u>NORTHWEST</u>								
CHIPPEWA	19,400	22,200	19,200	21,700	23.3	15.4	446,700	333,400
GRANT	7,900	9,100	7,700	8,800	19.3	14.9	148,400	130,900
LAC QUI PARLE	600	600	600	600	23.0	17.5	13,800	10,500
OTTER TAIL	1,800	1,900	1,700	1,900	20.0	13.3	34,000	25,200
STEVENS	600	800	600	700	22.8	19.6	13,700	13,700
SWIFT	4,300	4,700	4,200	4,500	19.5	12.2	81,800	54,800
TRAVERSE	4,900	4,800	4,900	4,700	21.1	14.0	103,300	65,700
WILKIN	23,800	27,700	23,700	27,400	19.2	15.6	455,800	427,600
YELLOW MED.	1,300	1,800	1,300	1,600	23.8	16.4	30,900	26,200
<u>WEST CENTRAL</u>								
KANDIYOHI	4,500	5,200	4,400	5,100	22.3	15.1	97,900	77,200
MEEKER	600	2,100	500	2,100	21.0	15.0	10,500	31,400
RENNVILLE	26,000	26,100	25,500	25,800	21.1	15.6	538,200	401,200
SIBLEY	700	1,100	700	1,100	21.9	14.8	15,300	16,300
REDWOOD	1,900	2,500	1,800	2,400	19.0	14.0	34,200	33,600
OTHER COUNTIES	900	400	900	400	16.8	14.8	15,100	5,900
<u>SELECTED COUNTIES</u>								
MINNESOTA	278,000	315,000	276,000	311,000	18.4	16.7	5,088,000	5,194,000

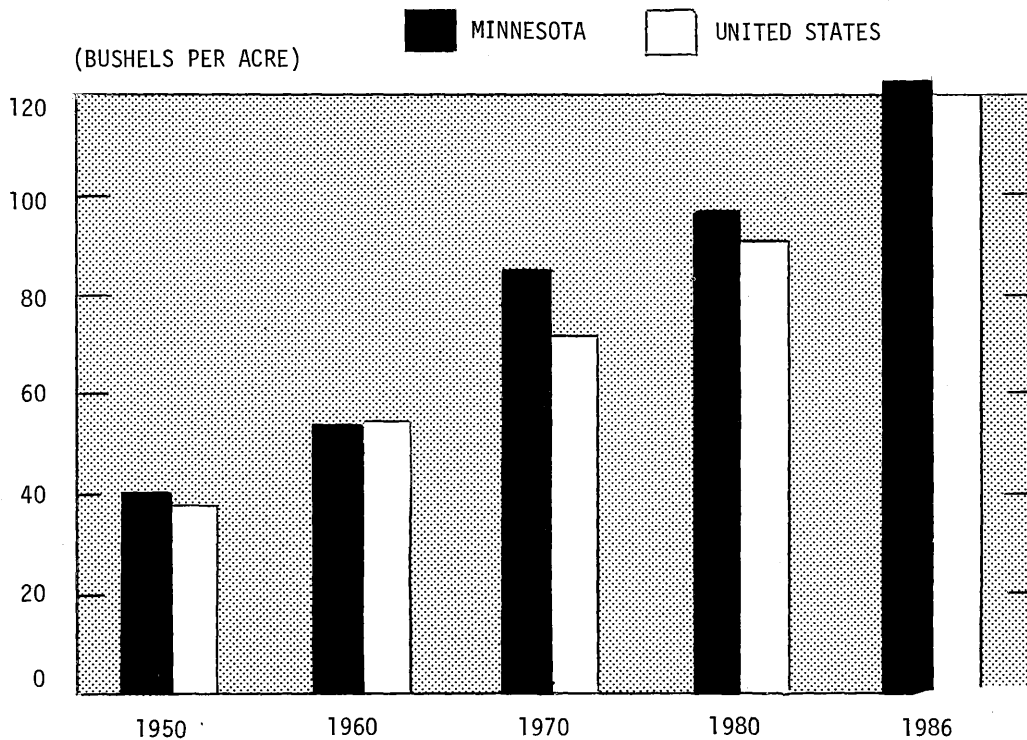


ACRES HARVESTED & PRODUCTION OF MINNESOTA'S MAJOR CROPS*



*Corn, oats, barley, wheat, soybeans.

CORN YIELDS REACH RECORD-HIGH LEVELS IN 1986



ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	ACREAGE		YIELD PER		PRODUCTION	
	HARVESTED		HARVESTED ACRE			
	1985	1986	1985	1986	1985	1986
	- ACRES -		- TONS -		- TONS -	
BECKER	53,200	57,900	3.2	3.0	172,800	174,900
CLAY	18,300	18,600	3.3	3.4	60,000	62,500
CLEARWATER	47,700	51,000	2.0	2.5	97,300	125,200
KITTSO	12,200	12,900	2.0	2.2	24,900	28,700
MAHNOMEN	18,700	18,200	3.3	3.4	62,100	61,800
MARSHALL	31,100	31,500	2.3	2.8	72,200	87,200
NORMAN	16,800	17,200	2.9	3.6	48,300	62,700
PENNINGTON	22,300	25,900	2.2	2.8	49,800	71,900
POLK	41,800	43,500	3.5	3.4	144,300	149,500
RED LAKE	18,000	17,500	2.8	3.5	50,700	61,700
ROSEAU	61,900	64,800	2.5	2.6	156,000	170,800
<u>NORTHWEST</u>	342,000	359,000	2.7	2.9	938,400	1,056,900
BELTRAMI	51,600	58,900	1.6	2.7	82,400	161,500
CASS	48,300	47,500	1.4	2.1	67,900	98,200
HUBBARD	31,300	32,300	1.6	2.1	49,100	69,400
ITASCA	47,700	48,800	1.6	2.0	77,300	95,900
KOOCHICHING	25,600	26,700	1.6	1.8	41,400	49,100
LAKE OF THE WOODS	16,300	16,100	1.5	2.3	25,200	36,500
<u>NORTH CENTRAL</u>	220,800	230,300	1.6	2.2	343,300	510,600
COOK	700	700	1.9	1.6	1,300	1,100
LAKE	1,900	1,800	1.4	1.5	2,600	2,700
ST LOUIS	71,000	74,400	1.4	1.9	100,600	144,900
<u>NORTHEAST DISTRICT</u>	73,600	76,900	1.4	1.9	104,500	148,700
BIG STONE	9,600	10,200	3.8	3.8	36,100	38,900
CHIPPEWA	8,000	9,400	3.6	3.8	29,000	35,400
DOUGLAS	40,300	43,800	3.0	3.5	122,500	151,400
GRANT	9,800	9,500	4.2	4.5	40,800	42,500
LAC QUI PARLE	12,900	13,900	3.2	3.1	41,100	43,600
OTTER TAIL	167,700	171,600	3.5	3.7	593,200	630,500
POPE	26,200	28,300	3.1	3.3	81,600	93,900
STEVENS	7,300	8,500	4.1	4.2	30,200	35,900
SWIFT	13,200	14,500	3.1	3.0	40,600	43,200
TRAVERSE	6,900	6,600	4.1	4.0	28,300	26,400
WILKIN	11,100	11,400	2.4	2.8	26,200	32,100
YELLOW MEDICINE	13,000	14,000	3.7	3.6	48,200	51,000
<u>WEST CENTRAL</u>	326,000	341,700	3.4	3.6	1,117,800	1,224,800
BENTON	36,900	38,400	2.7	3.1	100,600	120,000
CARVER	30,100	30,300	3.8	4.6	115,500	139,100
KANDIYOHI	27,500	29,200	3.2	3.5	88,900	102,300
MCLEOD	22,900	24,100	3.7	4.2	84,100	101,700
MEEKER	24,900	26,300	3.5	3.7	86,700	97,400
MORRISON	84,300	86,000	3.1	3.4	257,300	295,100
RENVILLE	11,400	11,700	3.7	3.8	41,900	44,500
SCOTT	22,700	23,700	3.7	4.8	84,300	114,200
SHERBURNE	17,200	17,800	2.2	3.4	38,000	60,600
SIBLEY	21,200	23,800	4.0	4.2	85,100	100,600
STEARNS	130,200	137,200	3.3	3.8	434,300	519,500
TODD	93,700	96,400	2.8	3.2	266,000	306,800
WADENA	54,900	54,000	2.5	2.9	136,900	157,600
WRIGHT	51,500	54,700	3.4	3.9	173,900	211,600
<u>CENTRAL</u>	629,400	653,600	3.2	3.6	1,993,500	2,371,000

ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86 (CONT'D)

DISTRICT AND COUNTY	* ACREAGE * * HARVESTED		* YIELD PER * * HARVESTED ACRE		* PRODUCTION *	
	1985	1986	1985	1986	1985	1986
	- ACRES -		- TONS -		- TONS -	
AITKIN	70,700	71,800	2.5	2.5	174,800	176,400
ANOKA	13,100	14,200	2.5	3.1	33,400	44,500
CARLTON	55,100	56,300	1.8	2.5	99,500	142,900
CHISAGO	27,300	29,400	3.1	3.1	85,300	91,300
CROW WING	32,400	32,100	1.8	2.0	59,600	62,900
HENNEPIN	21,300	21,600	3.0	3.7	64,400	80,300
ISANTI	23,600	28,200	3.1	4.1	72,900	114,600
KANABEC	43,600	51,100	2.3	3.0	101,800	155,400
MILLE LACS	42,200	43,400	2.9	3.0	123,800	131,700
PINE	88,200	89,900	2.0	2.4	177,900	215,200
RAMSEY	1,100	1,300	2.9	3.2	3,200	4,100
WASHINGTON	21,600	21,600	3.2	3.9	68,100	84,100
<u>EAST CENTRAL</u>	440,200	460,900	2.4	2.8	1,064,700	1,303,400
COTTONWOOD	10,800	11,000	4.3	4.3	45,900	47,100
JACKSON	7,500	7,500	3.7	3.9	27,700	29,300
LINCOLN	24,100	25,200	3.4	3.7	82,000	94,400
LYON	18,900	20,200	3.0	3.8	56,800	76,200
MURRAY	18,900	18,800	3.2	4.4	61,400	83,100
NOBLES	14,200	15,000	3.1	3.8	43,400	56,900
PIPESTONE	19,100	20,300	3.3	3.9	62,500	80,100
REDWOOD	12,200	12,400	3.9	4.1	48,000	50,700
ROCK	14,400	15,500	3.5	3.3	50,900	51,700
<u>SOUTHWEST</u>	140,100	145,900	3.4	3.9	478,600	569,500
BLUE EARTH	5,700	6,600	3.2	4.5	18,100	30,000
BROWN	14,600	15,600	4.4	4.9	63,800	76,500
FARIBAULT	5,600	6,000	4.1	4.3	23,100	25,700
FREEBORN	11,200	11,800	3.9	4.3	43,900	50,400
LESUEUR	15,600	15,600	3.3	4.6	52,100	71,400
MARTIN	8,300	9,400	4.2	4.7	34,500	44,200
NICOLLET	9,900	11,500	3.7	3.8	36,500	43,200
RICE	25,100	27,000	3.4	5.0	85,800	134,400
STEELE	11,900	12,200	3.5	4.2	41,800	51,300
WASECA	8,600	9,000	4.2	4.5	36,300	40,100
WATONWAN	5,000	5,500	3.3	4.4	16,400	24,100
<u>SOUTH CENTRAL</u>	121,500	130,200	3.7	4.5	452,300	591,300
DAKOTA	20,100	22,500	3.3	3.8	65,600	85,300
DODGE	21,400	23,900	3.3	4.2	70,100	101,300
FILLMORE	73,000	81,100	3.4	4.0	249,000	327,100
GOODHUE	66,100	68,400	3.6	4.8	240,100	325,800
HOUSTON	55,900	53,900	3.4	3.9	190,400	212,400
MOWER	19,500	20,300	3.6	4.3	70,300	87,400
OLMSTED	54,300	54,900	3.8	4.2	206,000	231,300
WABASHA	56,800	58,500	3.5	4.3	196,300	248,700
WINONA	64,300	68,000	3.5	4.1	222,100	279,500
<u>SOUTHEAST</u>	431,400	451,500	3.5	4.2	1,509,900	1,898,800
MINNESOTA	2,725,000	2,850,000	2.9	3.4	8,003,000	9,675,000

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT	*	ACREAGE		*	YIELD PER		*
AND	*	HARVESTED		*	HARVESTED ACRE		*
COUNTY	*	1985	1986	*	1985	1986	*

		- ACRES -			- TONS -		
BECKER		39,300	44,500	3.7	3.4	144,400	149,700
CLAY		14,200	14,700	3.8	3.8	54,300	55,900
CLEARWATER		34,500	38,000	2.2	2.7	76,800	103,100
KITTSO		8,400	9,200	2.3	2.4	19,300	22,300
MAHNOMEN		17,000	16,700	3.5	3.5	59,400	58,600
MARSHALL		23,600	24,200	2.5	3.0	58,700	71,900
NORMAN		13,600	13,900	3.2	4.1	43,800	57,000
PENNINGTON		16,000	19,500	2.5	3.1	39,200	60,900
POLK		26,800	28,300	4.2	4.1	111,300	116,000
RED LAKE		12,200	12,000	3.1	4.0	38,200	48,000
ROSEAU		41,900	44,400	2.7	2.9	112,000	130,500
<u>NORTHWEST</u>		247,500	265,400	3.1	3.3	757,400	873,900
BELTRAMI		32,600	39,700	1.8	3.2	59,200	128,400
CASS		12,300	12,200	1.6	3.0	20,100	36,300
HUBBARD		12,700	13,500	2.1	2.5	26,700	34,000
ITASCA		12,400	12,300	2.1	3.1	26,400	38,100
KOOCHICHING		8,800	9,000	1.5	2.1	13,000	18,900
LAKE OF THE WOODS		10,600	10,600	1.6	2.5	17,000	27,000
<u>NORTH CENTRAL</u>		89,400	97,300	1.8	2.9	162,400	282,700
<u>NORTHEAST</u>		7,900	7,800	1.8	2.3	14,100	18,000
BIG STONE		7,200	7,900	4.2	4.4	30,500	34,400
CHIPPEWA		6,700	8,200	3.9	3.9	26,100	31,800
DOUGLAS		33,500	36,900	3.2	3.5	107,200	130,700
GRANT		8,000	7,900	4.4	4.9	35,400	38,900
LAC QUI PARLE		9,100	9,900	3.7	3.8	33,700	37,600
OTTER TAIL		130,900	136,600	3.5	4.0	457,200	546,500
POPE		21,000	23,400	3.4	3.6	70,600	83,200
STEVENS		6,500	7,600	4.4	4.4	28,400	33,500
SWIFT		9,100	9,900	3.5	3.7	31,400	36,700
TRAVERSE		6,100	5,900	4.4	4.1	26,800	24,200
WILKIN		6,400	6,700	2.8	3.7	18,100	24,600
YELLOW MEDICINE		8,200	9,200	3.6	3.6	29,500	33,100
<u>WEST CENTRAL</u>		252,700	270,100	3.6	3.9	894,900	1,055,200
BENTON		21,300	23,200	3.0	3.5	64,700	80,300
CARVER		25,600	26,000	4.1	4.9	103,800	126,400
KANDIYOHI		23,500	25,300	3.4	3.6	80,900	91,100
MCLEOD		18,600	19,900	4.0	4.7	74,000	93,400
MEEKER		20,600	21,900	3.7	3.9	76,300	86,100
MORRISON		49,100	50,500	3.4	4.2	166,800	211,800
RENVILLE		9,200	9,600	3.9	4.1	35,700	39,400
SCOTT		19,700	20,700	3.7	4.9	72,600	101,800
SHERBURNE		13,400	13,800	2.3	3.7	30,400	50,600
SIBLEY		17,300	20,000	4.4	4.7	76,900	94,000
STEARNS		104,400	111,600	3.5	3.9	364,000	435,700
TODD		70,000	72,400	2.9	3.5	206,000	250,700
WADENA		27,900	27,800	3.0	3.4	83,900	93,200
WRIGHT		43,600	46,600	3.6	4.0	157,000	184,700
<u>CENTRAL</u>		464,200	489,300	3.4	4.0	1,593,000	1,939,200

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86 (CONT'D)

DISTRICT AND COUNTY	* * * 1985	ACREAGE HARVESTED 1986	* * * 1985	YIELD PER HARVESTED ACRE 1986	* * * 1985	PRODUCTION 1986
		- ACRES -		- TONS -		- TONS -
AITKIN	10,400	10,500	2.2	3.3	22,700	34,500
ANOKA	9,000	10,100	2.8	3.3	25,200	33,700
CARLTON	14,500	15,300	1.8	3.0	26,400	46,200
CHISAGO	18,700	21,000	3.3	3.4	62,100	71,500
CROW WING	10,300	10,800	2.4	2.7	24,500	29,000
HENNEPIN	18,300	18,800	3.1	3.8	57,600	71,400
ISANTI	16,600	21,000	3.4	4.5	55,700	94,400
KANABEC	19,200	26,000	2.8	3.6	54,600	93,400
MILLE LACS	19,300	21,700	3.4	3.7	66,100	79,800
PINE	31,200	32,200	2.3	2.8	70,200	90,700
RAMSEY	800	1,000	2.9	3.4	2,300	3,400
WASHINGTON	18,600	18,800	3.2	4.2	60,100	78,400
EAST CENTRAL	186,900	207,200	2.8	3.5	527,500	726,400
COTTONWOOD	9,800	9,900	4.4	4.5	43,400	44,600
JACKSON	5,800	5,700	4.1	4.1	24,000	23,500
LINCOLN	19,100	20,400	3.7	4.1	71,300	84,200
LYON	13,700	14,900	3.2	4.3	43,900	64,400
MURRAY	16,800	16,600	3.5	4.5	58,700	75,300
NOBLES	11,700	12,300	3.1	4.0	36,100	48,700
PIPESTONE	14,000	15,500	3.4	4.3	48,100	66,800
REDWOOD	9,900	10,100	4.3	4.3	42,200	43,400
ROCK	10,800	11,900	3.8	3.8	41,000	45,000
SOUTHWEST	111,600	117,300	3.7	4.2	408,700	495,900
BLUE EARTH	4,700	5,500	3.1	4.9	14,700	26,700
BROWN	13,500	14,500	4.5	5.1	60,100	74,400
FARIBAUT	4,100	4,600	4.4	4.6	18,200	21,200
FREEBORN	9,500	10,200	4.2	4.4	39,800	44,500
LESUEUR	13,100	13,400	3.5	5.0	46,000	66,400
MARTIN	6,300	7,300	4.5	5.0	28,100	36,400
NICOLLET	8,700	10,200	3.7	4.0	32,200	41,000
RICE	22,200	24,300	3.4	5.1	76,200	123,600
STEELE	10,600	10,800	3.7	4.5	39,100	48,800
WASECA	7,600	7,900	4.3	4.6	32,500	36,600
WATONWAN	3,700	4,300	3.5	5.0	13,100	21,700
SOUTH CENTRAL	104,000	113,000	3.8	4.8	400,000	541,300
DAKOTA	15,700	18,200	3.2	4.3	50,200	78,200
DODGE	18,200	21,000	3.3	4.4	60,500	92,000
FILLMORE	60,700	68,600	3.4	4.1	205,100	284,300
GOODHUE	60,000	61,900	3.7	4.8	220,500	297,100
HOUSTON	48,400	46,200	3.4	4.2	164,900	193,400
MOWER	16,600	17,500	3.8	4.5	62,400	79,600
OLMSTED	43,800	44,900	3.7	4.4	160,500	195,900
WABASHA	49,500	51,300	3.3	4.4	162,200	226,400
WINONA	47,900	53,000	3.7	4.3	178,700	225,500
SOUTHEAST	360,800	382,600	3.5	4.4	1,265,000	1,672,400
MINNESOTA	1,825,000	1,950,000	3.3	3.9	6,023,000	7,605,000

DRY EDIBLE BEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1985-86

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1985	1986	1985	1986	1985	1986	1985	1986
	- ACRES -		- ACRES -		- POUNDS -		- CWT -	
BECKER	1,600	1,100	1,400	1,100	1,200	1,420	16,800	15,600
CLAY	3,300	2,000	2,300	1,800	1,140	1,540	26,200	27,700
KITTSOON	500	500	300	500	1,400	1,500	4,200	7,500
MARSHALL	9,200	9,700	8,600	9,300	1,290	1,660	110,900	154,400
NORMAN	1,000	1,000	700	900	800	1,410	5,600	12,700
POLK	12,500	14,100	11,900	13,600	1,260	1,750	149,900	237,700
OTHER COUNTIES	700	500	100	500	800	1,400	800	7,000
<u>NORTHWEST</u>	28,800	28,900	25,300	27,700	1,240	1,670	314,400	462,600
CASS	800	500	700	500	1,200	1,300	8,400	6,500
HUBBARD	4,500	4,300	4,300	4,100	1,590	1,860	68,400	76,300
<u>NORTH CENTRAL</u>	5,300	4,800	5,000	4,600	1,540	1,800	76,800	82,800
CHIPPEWA	700	500	700	500	1,710	1,720	12,000	8,600
GRANT	4,000	2,500	3,700	2,100	1,610	1,500	59,600	31,500
LAC QUI PARLE	600	500	600	500	1,420	1,700	8,500	8,500
OTTER TAIL	6,700	6,800	6,300	6,300	1,420	1,490	89,500	93,900
POPE	400	700	400	600	1,750	1,800	7,000	10,800
STEVENS	1,100	1,100	1,000	1,100	1,510	1,890	15,100	20,800
SWIFT	2,400	2,600	2,200	2,400	1,620	1,780	35,600	42,700
TRAVERSE	1,000	1,700	800	1,500	1,450	1,340	11,600	20,100
WILKIN	600	700	600	700	1,050	1,300	6,300	9,100
YELLOW MEDICINE	1,800	1,100	1,700	1,000	1,610	1,620	27,400	16,200
OTHER COUNTIES	900	700	900	600	1,580	1,650	14,200	9,900
<u>WEST CENTRAL</u>	20,200	18,900	18,900	17,300	1,520	1,570	286,800	272,100
BENTON	1,800	1,600	1,700	1,500	1,620	1,720	27,500	25,800
KANDIYOH	900	800	900	800	1,240	1,650	11,200	13,200
MORRISON	1,200	900	1,200	800	1,490	1,700	17,900	13,600
RENVILLE	4,700	4,100	4,200	3,900	1,610	1,600	67,600	62,400
STEARNS	400	600	400	600	1,330	1,650	5,300	9,900
TODD	600	500	600	400	1,470	1,700	8,800	6,800
WADENA	1,200	900	1,100	700	1,260	1,630	13,900	11,400
OTHER COUNTIES	800	700	800	700	1,610	1,810	12,900	12,700
<u>CENTRAL</u>	11,600	10,100	10,900	9,400	1,510	1,660	165,100	155,800
ALL COUNTIES	100	100	100	100	1,000	1,100	1,000	1,100
<u>EAST CENTRAL</u>	100	100	100	100	1,000	1,100	1,000	1,100
LINCOLN	0	600	0	500	0	1,680	0	8,400
REDWOOD	600	500	600	400	1,650	2,300	9,900	9,200
OTHER COUNTIES	300	100	200	100	1,400	2,000	2,800	2,000
<u>SOUTHWEST</u>	900	1,200	800	1,000	1,590	1,960	12,700	19,600
ALL COUNTIES	300	400	300	400	1,470	1,600	4,400	6,400
<u>SOUTH CENTRAL</u>	300	400	300	400	1,470	1,600	4,400	6,400
ALL COUNTIES	800	600	700	500	970	1,320	6,800	6,600
<u>SOUTHEAST</u>	800	600	700	500	970	1,320	6,800	6,600
MINNESOTA	68,000	65,000	62,000	61,000	1,400	1,650	868,000	1,007,000

FLAX: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	ACREAGE PLANTED		ACREAGE HARVESTED		YIELD PER HARVESTED ACRE		PRODUCTION	
	1985	1986	1985	1986	1985	1986	1985	1986

	- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
BECKER	1,500	700	1,400	700	20.0	10.0	28,000	7,000
CLAY	2,600	500	2,500	500	21.0	14.0	52,500	7,000
CLEARWATER	400	600	400	600	18.0	16.0	7,200	9,600
KITTSO	2,700	3,400	2,500	3,400	24.0	24.0	60,000	81,600
MAHNOMEN	2,400	2,100	2,000	2,100	15.0	15.0	30,000	31,500
MARSHALL	6,300	7,000	5,400	6,300	24.0	22.6	129,600	142,600
NORMAN	600	700	500	700	20.0	10.0	10,000	7,000
PENNINGTON	2,400	3,000	2,400	2,900	19.0	11.0	45,600	31,900
POLK	2,900	3,500	2,400	3,500	18.0	17.0	43,200	59,500
RED LAKE	1,200	1,800	1,000	1,800	24.0	12.0	24,000	21,600
ROSEAU	26,200	6,200	19,100	6,100	18.0	11.0	343,800	67,100
NORTHWEST	49,200	29,500	39,600	28,600	19.5	16.3	773,900	466,400
NORTH CENTRAL	2,700	2,000	2,300	1,900	14.3	10.0	32,900	19,000
OTTER TAIL	1,300	1,500	1,300	1,500	21.0	14.0	27,300	21,000
OTHER COUNTIES	2,000	900	2,000	900	21.0	16.2	42,000	14,600
WEST CENTRAL	3,300	2,400	3,300	2,400	21.0	14.8	69,300	35,600
LINCOLN	2,900	600	2,900	600	15.0	20.0	43,500	12,000
PIPESTONE	1,900	500	1,900	500	16.0	22.0	30,400	11,000
SOUTHWEST	4,800	1,100	4,800	1,100	15.4	20.9	73,900	23,000
MINNESOTA	60,000	35,000	50,000	34,000	19.0	16.0	950,000	544,000



RYE: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT	*	ACREAGE	*	ACREAGE	*	YIELD PER	*	PRODUCTION	
AND	*	PLANTED	*	HARVESTED	*	HARVESTED ACRE	*		
COUNTY	*	1985	1986	1985	1986	1985	1986	1985	1986

		- ACRES -		- ACRES -		- BUSHEL -		- BUSHEL -	
BECKER		1,900	1,000	1,600	600	27.0	37.0	43,200	22,200
CLAY		2,800	1,400	2,400	900	27.0	39.0	64,800	35,100
KITTSO		1,700	900	1,300	600	28.0	29.0	36,400	17,400
MAHOMEN		1,900	1,000	1,400	600	20.0	30.0	28,000	18,000
MARSHALL		3,800	1,900	2,400	800	22.0	31.0	52,800	24,800
NORMAN		1,700	900	1,400	400	32.0	30.0	44,800	12,000
PENNINGTON		1,200	600	1,000	400	26.0	32.0	26,000	12,800
POLK		3,000	1,500	2,000	900	30.0	32.0	60,000	28,800
ROSEAU		3,000	1,500	1,800	900	29.0	30.0	52,200	27,000
OTHER COUNTIES		1,700	900	1,300	500	27.3	30.0	35,500	15,000
<u>NORTHWEST</u>		22,700	11,600	16,600	6,600	26.7	32.3	443,700	213,100
<u>NORTH CENTRAL</u>		2,800	1,800	1,400	1,100	25.9	27.1	36,300	29,800
<u>NORTHEAST</u>		100	100	100	100	27.0	30.0	2,700	3,000
BIG STONE		7,200	4,500	5,800	1,700	40.0	37.0	232,000	62,900
CHIPPEWA		800	500	600	300	32.0	32.0	19,200	9,600
DOUGLAS		5,900	3,700	4,700	2,100	30.0	32.0	141,000	67,200
GRANT		2,500	1,600	1,800	1,000	42.0	26.0	75,600	26,000
LAC QUI PARLE		2,100	1,300	1,600	600	34.0	30.0	54,400	18,000
OTTER TAIL		10,300	6,300	6,800	3,900	35.0	35.0	238,000	136,500
POPE		3,200	2,000	2,100	300	27.0	34.0	56,700	10,200
STEVENS		2,700	1,700	2,200	700	30.0	33.0	66,000	23,100
SWIFT		4,900	3,100	3,900	900	32.0	35.0	124,800	31,500
TRAVERSE		5,100	3,200	3,800	1,000	45.0	37.0	171,000	37,000
WILKIN		1,800	1,100	1,500	700	45.0	38.0	67,500	26,600
YELLOW MEDICINE		1,100	700	900	300	40.0	37.0	36,000	11,100
<u>WEST CENTRAL</u>		47,600	29,700	35,700	13,500	35.9	34.1	1,282,200	459,700
BENTON		3,800	3,300	3,400	2,100	25.0	32.0	85,000	67,200
KANDIYOHI		1,500	1,300	1,200	900	31.0	30.0	37,200	27,000
MCLEOD		1,100	900	900	200	31.0	28.0	27,900	5,600
MEEKER		2,000	1,700	1,200	800	28.0	32.0	33,600	25,600
MORRISON		3,300	2,800	2,800	1,300	26.0	32.0	72,800	41,600
RENVILLE		600	500	500	300	30.0	36.0	15,000	10,800
SCOTT		1,700	1,500	1,400	800	30.0	34.0	42,000	27,200
SHERBURNE		14,800	12,800	11,100	7,900	24.0	31.0	266,400	244,900
STEARNS		4,800	4,100	4,300	2,300	26.0	36.0	111,800	82,800
TODD		1,700	1,500	1,400	400	25.0	34.0	35,000	13,600
WADENA		800	700	600	200	28.0	29.0	16,800	5,800
WRIGHT		2,400	2,100	1,900	1,400	27.0	34.0	51,300	47,600
OTHER COUNTIES		900	700	700	500	30.3	32.6	21,200	16,300
<u>CENTRAL</u>		39,400	33,900	31,400	19,100	26.0	32.3	816,000	616,000
AITKIN		1,600	1,200	1,500	600	30.0	35.0	45,000	21,000
ANOKA		3,900	3,000	2,700	1,800	28.0	29.0	75,600	52,200
CARLTON		600	500	500	300	20.0	29.0	10,000	8,700
CHISAGO		5,000	3,800	4,200	2,300	26.0	25.0	109,200	57,500
CROW WING		600	500	400	200	28.0	27.0	11,200	5,400
HENNEPIN		1,000	800	800	200	32.0	30.0	25,600	6,000
ISANTI		6,800	5,300	6,000	2,200	24.0	29.0	144,000	63,800
KANABEC		600	500	500	300	30.0	31.0	15,000	9,300
PINE		600	500	600	300	30.0	30.0	18,000	9,000
OTHER COUNTIES		1,100	900	1,100	400	28.5	31.5	31,400	12,600
<u>EAST CENTRAL</u>		21,800	17,000	18,300	8,600	26.5	28.5	485,000	245,500
<u>SOUTHWEST</u>		3,200	1,700	2,600	800	37.6	32.9	97,700	26,300
<u>SOUTH CENTRAL</u>		4,900	3,000	2,400	0	37.3	0.0	89,400	0
<u>SOUTHEAST</u>		2,500	1,200	1,500	200	31.3	33.0	47,000	6,600
MINNESOTA		145,000	100,000	110,000	50,000	30.0	32.0	3,300,000	1,600,000

SWEET CORN FOR PROCESSING: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

DISTRICT AND COUNTY	* ACREAGE PLANTED 1985	* ACREAGE PLANTED 1986	* ACREAGE HARVESTED 1985	* ACREAGE HARVESTED 1986	* YIELD PER HARVESTED ACRE 1985	* YIELD PER HARVESTED ACRE 1986	* PRODUCTION 1985	* PRODUCTION 1986
	- ACRES -	- ACRES -	- ACRES -	- ACRES -	- TONS -	- TONS -	- TONS -	- TONS -
GRANT	500	500	500	500	5.30	6.00	2,650	3,000
POPE	1,100	1,100	1,100	1,100	5.80	6.00	6,380	6,600
SWIFT	1,000	1,000	1,000	1,000	5.80	6.00	5,800	6,000
OTHER COUNTIES	600	600	600	600	5.30	6.00	3,180	3,600
WEST CENTRAL	3,200	3,200	3,200	3,200	5.63	6.00	18,010	19,200
KANDIYOHI	3,300	3,300	3,300	3,300	6.20	6.50	20,460	21,330
MCLEOD	5,900	6,000	5,000	6,000	5.40	6.00	27,000	36,180
MEEKER	3,300	3,300	3,100	3,300	5.70	5.60	17,670	18,520
RENVILLE	12,600	12,800	11,200	12,300	6.00	6.10	66,780	75,480
SHERBURNE	2,000	2,000	1,800	2,000	7.00	6.60	12,600	13,240
SIBLEY	6,500	6,600	5,900	6,500	6.20	6.30	36,580	41,240
STEARNS	1,700	1,700	1,700	1,700	6.70	6.80	11,390	11,510
WRIGHT	1,300	1,300	1,100	1,300	5.70	5.70	6,270	7,380
OTHER COUNTIES	400	400	400	400	5.60	6.40	2,240	2,570
CENTRAL	37,000	37,400	33,500	36,800	6.00	6.18	200,990	227,450
EAST CENTRAL	200	200	200	200	5.20	5.20	1,030	1,040
REDWOOD	4,400	4,400	4,100	4,300	5.40	6.00	22,140	25,760
OTHER COUNTIES	0	100	0	100	---	6.00	---	600
SOUTHWEST	4,400	4,500	4,100	4,400	5.40	6.00	22,140	26,360
BLUE EARTH	3,300	3,200	3,300	3,100	5.60	5.30	18,480	16,370
BROWN	4,300	4,300	4,300	4,200	5.40	6.40	23,220	26,940
FARIBAULT	10,600	11,000	10,200	10,900	6.20	5.60	63,240	61,440
FREEBORN	2,500	2,500	2,400	2,500	6.40	6.20	15,360	15,580
LESUEUR	2,200	2,200	2,200	2,200	5.90	6.50	12,980	14,260
MARTIN	4,000	3,900	3,800	3,900	6.20	6.00	23,560	23,210
NICOLLET	2,600	2,600	2,500	2,600	6.10	6.40	15,250	16,530
RICE	700	700	600	700	4.70	6.50	2,820	4,550
STEELE	2,200	2,200	2,200	2,200	5.70	5.40	12,540	11,920
WASECA	3,400	3,400	3,400	3,300	5.60	6.50	19,040	21,460
WATONWAN	2,100	2,000	2,100	2,000	5.40	5.70	11,340	11,460
SOUTH CENTRAL	37,900	38,000	37,000	37,600	5.89	5.95	217,830	223,720
DAKOTA	5,100	5,100	5,000	5,000	5.60	6.40	28,000	31,920
DODGE	12,800	13,000	12,200	12,900	5.20	5.10	63,440	65,790
GOODHUE	9,400	9,500	8,800	9,400	5.70	6.10	50,160	57,310
MOWER	5,300	5,400	5,300	5,400	5.80	5.50	30,740	29,880
OLMSTED	4,000	4,000	4,000	3,500	5.60	5.80	22,400	20,150
WABASHA	4,300	4,300	4,200	4,300	5.70	6.40	23,940	27,410
OTHER COUNTIES	800	800	800	800	4.90	5.80	3,910	4,600
SOUTHEAST	41,700	42,100	40,300	41,300	5.52	5.74	222,590	237,060
MINNESOTA	124,400	125,400	118,300	123,500	5.77	5.95	682,590	734,830



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:										
1986.....	MAY 6	MAY 9	MAY 20	MAY 27	JUN 3	OCT 18	OCT 25	NOV 1	NOV 9	NOV 22
1985.....	MAY 1	MAY 6	MAY 9	MAY 15	MAY 22	OCT 19	OCT 27	NOV 5	NOV 12	1/
1982-86.....	MAY 3	MAY 8	MAY 16	MAY 24	JUN 1	OCT 7	OCT 21	OCT 31	NOV 9	NOV 23
Soybeans:										
1986.....	MAY 19	MAY 22	MAY 29	JUN 4	JUN 11	OCT 4	OCT 9	OCT 20	OCT 24	OCT 30
1985.....	MAY 8	MAY 14	MAY 22	MAY 27	JUN 3	OCT 15	OCT 24	OCT 28	NOV 1	NOV 5
1982-86.....	MAY 14	MAY 22	MAY 27	JUN 3	JUN 11	OCT 1	OCT 8	OCT 22	OCT 30	NOV 5
Spring Wheat:										
1986.....	MAY 3	MAY 9	MAY 20	MAY 25	JUN 1	AUG 6	AUG 13	AUG 25	SEP 6	SEP 15
1985.....	APR 16	APR 21	APR 30	MAY 6	MAY 14	AUG 2	AUG 10	AUG 29	SEP 13	SEP 27
1982-86.....	APR 23	APR 29	MAY 6	MAY 17	MAY 26	AUG 4	AUG 11	AUG 19	AUG 30	SEP 12
Oats:										
1986.....	APR 18	APR 27	MAY 8	MAY 22	MAY 28	JUL 26	AUG 4	AUG 9	AUG 19	SEP 3
1985.....	APR 14	APR 20	APR 27	MAY 4	MAY 12	JUL 23	JUL 27	AUG 6	AUG 15	SEP 8
1982-86.....	APR 20	APR 26	MAY 3	MAY 11	MAY 23	JUL 27	AUG 2	AUG 9	AUG 16	AUG 26
Barley:										
1986.....	MAY 3	MAY 16	MAY 22	MAY 27	JUN 2	AUG 2	AUG 11	AUG 19	AUG 26	SEP 4
1985.....	APR 20	APR 26	MAY 2	MAY 7	MAY 19	JUL 28	AUG 3	AUG 12	AUG 30	SEP 14
1982-86.....	APR 25	MAY 1	MAY 8	MAY 20	MAY 28	JUL 29	AUG 3	AUG 11	AUG 20	SEP 1
Flax:										
1986.....	MAY 24	MAY 28	JUN 2	JUN 7	JUN 13	AUG 31	SEP 10	SEP 20	OCT 16	OCT 24
1985.....	MAY 3	MAY 12	MAY 23	JUN 3	JUN 14	AUG 24	SEP 12	OCT 6	OCT 26	2/
1982-86.....	MAY 9	MAY 19	MAY 28	JUN 6	JUN 15	AUG 21	AUG 29	SEP 15	OCT 13	OCT 29
Sunflowers:										
1986.....	MAY 26	MAY 31	JUN 4	JUN 6	JUN 11	OCT 13	OCT 20	OCT 26	OCT 30	NOV 4
1985.....	MAY 13	MAY 20	MAY 26	JUN 6	JUN 13	OCT 21	OCT 26	NOV 2	NOV 9	NOV 19
1982-86.....	MAY 15	MAY 22	MAY 30	JUN 5	JUN 11	OCT 8	OCT 19	OCT 28	NOV 4	NOV 17
Alfalfa Hay: 3/										
1986.....	NOT APPLICABLE					JUN 2	JUN 5	JUN 12	JUN 19	JUN 28
1985.....						MAY 28	JUN 4	JUN 11	JUN 20	JUL 3
1982-86.....						JUN 3	JUN 8	JUN 16	JUN 26	JUL 6
Winter Wheat:										
1986.....	AUG 26	SEP 1	SEP 13	SEP 21	OCT 5	JUL 22	JUL 28	AUG 3	AUG 9	AUG 16
1985.....	SEP 2	SEP 12	SEP 21	OCT 6	OCT 14	JUL 21	JUL 26	AUG 3	AUG 13	4/
1982-86.....	AUG 28	SEP 3	SEP 12	SEP 21	OCT 3	JUL 24	JUL 29	AUG 4	AUG 9	AUG 17
Rye:										
1986.....	AUG 28	SEP 4	SEP 15	SEP 30	OCT 13	JUL 21	JUL 26	AUG 4	AUG 9	AUG 16
1985.....	SEP 1	SEP 10	SEP 19	OCT 4	OCT 14	JUL 21	JUL 28	AUG 3	AUG 11	AUG 28
1982-86.....	AUG 29	SEP 5	SEP 12	SEP 22	OCT 4	JUL 24	JUL 30	AUG 4	AUG 9	AUG 15
Sugarbeets:										
1986.....	MAY 9	MAY 12	MAY 17	MAY 23	MAY 26	SEP 24	OCT 4	OCT 8	OCT 12	OCT 17
1985.....	APR 24	APR 27	MAY 1	MAY 4	MAY 8	SEP 25	OCT 3	OCT 8	OCT 19	OCT 24
1982-86.....	APR 26	APR 30	MAY 6	MAY 13	MAY 22	SEP 23	OCT 4	OCT 13	OCT 23	OCT 28

1/ Last estimate: 85% as of November 30.

2/ Last estimate: 81% as of October 31.

3/ First cutting.

4/ Last estimate: 88% as of August 31.



Paddy Wild Rice

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

Wild rice, Minnesota's official State Grain, is grown as an agricultural crop on 25,000 acres in north central Minnesota. The leading counties are Aitkin, Beltrami, Cass, Clearwater, and Itasca.

In recent years, production increases have primarily been the result of increasing yields rather than increasing acreage. Average yields per acre in 1986 were 200 processed pounds, up from 155 in 1985. Yields of over 500 processed pounds are beginning to be realized by some farmers.

In 1986, cultivated wild rice production totaled about 5,100,000 processed pounds. The value of the 1986 crop was \$11,475,000, at \$2.25 per pound of processed grain.

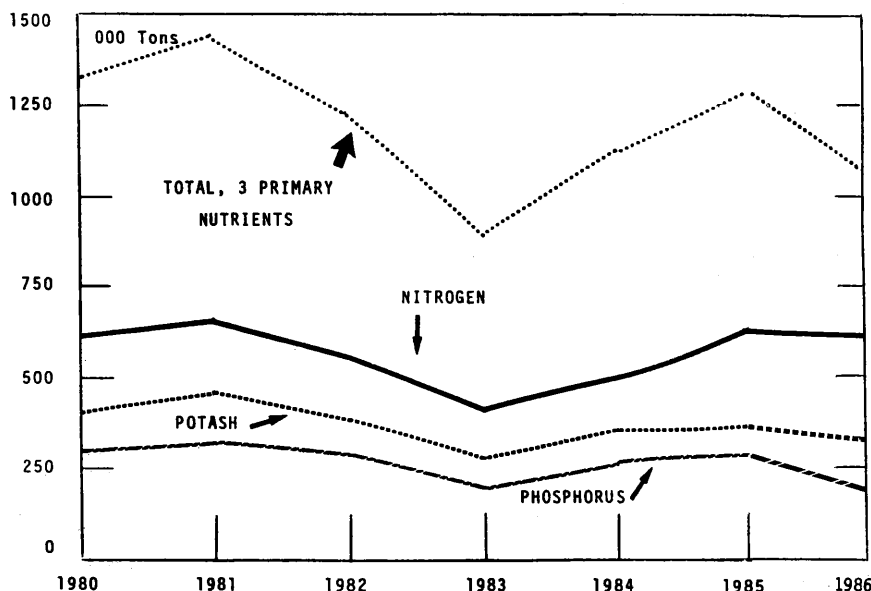
The number of farms producing wild rice in 1986 was 65. About 70% of these farms are family-owned operations. In 1986, these farms purchased production inputs worth nearly \$10 million from their local community businesses.

Fertilizer Use

MINNESOTA'S USE OF PRIMARY NUTRIENTS AS FERTILIZER

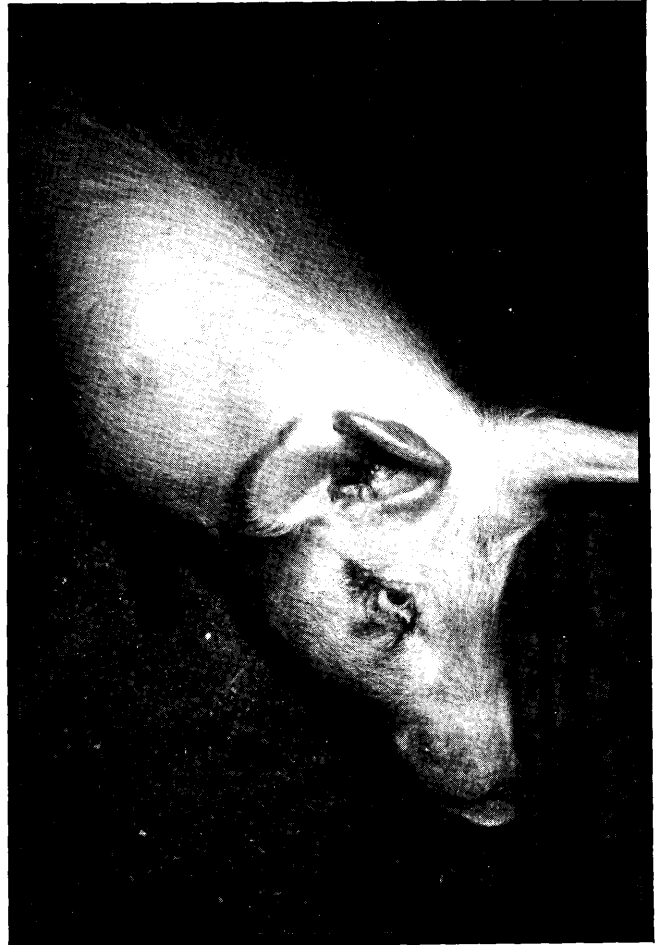
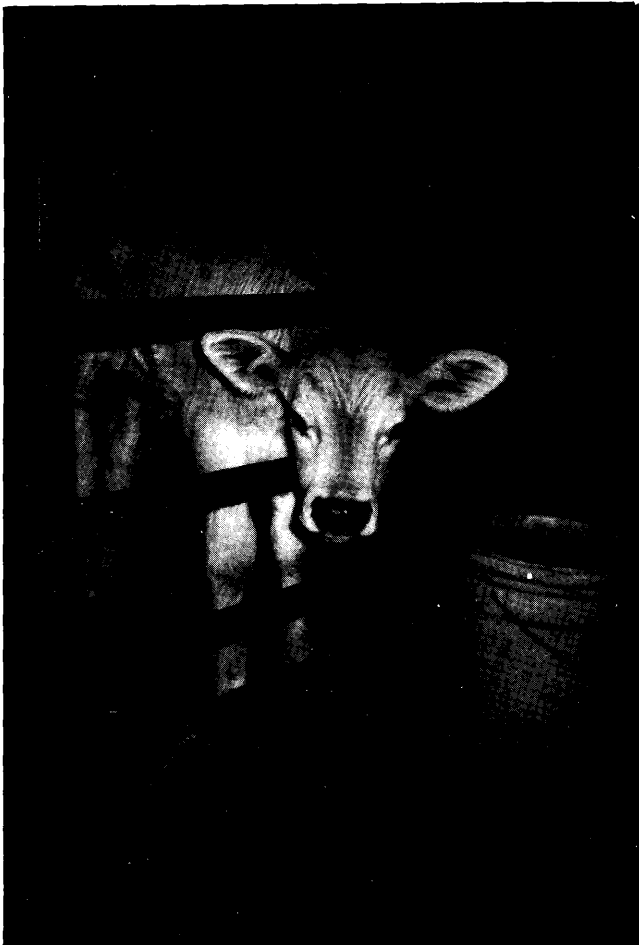
Minnesota fertilizer consumption totaled 1.9 million tons for the year ending June 30, 1986, down 14% from the previous year. Minnesota again was the 6th ranking state in total tonnage. Usage of the primary nutrients is shown on the chart; nitrogen was 14% below 1985 while phosphate fell 19% and potash was down 23%.

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



SECTION 3

LIVESTOCK, DAIRY, POULTRY



Livestock

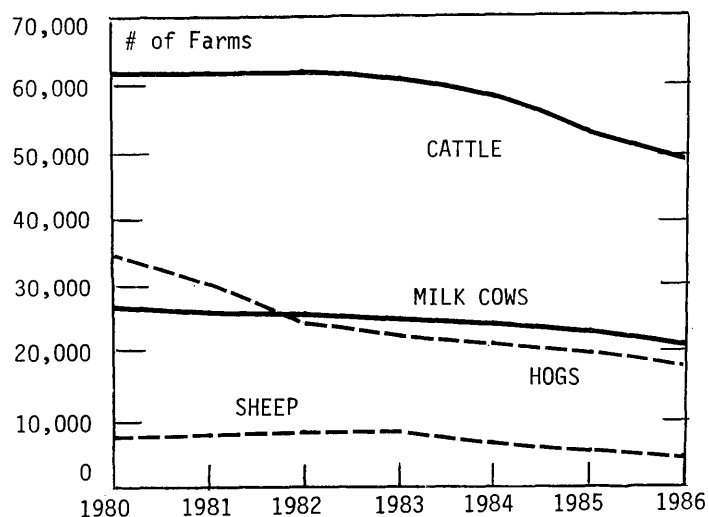


Cattle numbers on Minnesota farms on January 1, 1987 were down 7% from a year earlier and the lowest total since 1930. Meanwhile, sheep and lamb numbers increased 11%. The inventory of all hogs on December 1, 1986 was up 4% and all chickens on farms increased 1%.

The combined value of all livestock and poultry on Minnesota farms was \$1,899 million. All cattle and calves, valued at \$1,465 million, were 1% more than a year ago. The value of hogs on hand December 1, 1986 accounted for \$396 million, up 42%; all sheep and lambs, \$19.8 million, up 23%; and all chickens \$17.9 million, down 22%.

The number of operations with cattle fell 4,000 while milk cows dropped 2,000, hogs declined 1,500 and sheep operations were down 1,200.

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	HOGS	SHEEP
1982	62,000	26,000	24,000	8,600
1983	61,000	25,000	22,000	8,400
1984	58,000	24,000	21,000	7,000
1985	53,000	23,000	19,500	6,000
1986	49,000	21,000	18,000	4,800

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

MINNESOTA LIVESTOCK AND POULTRY -- INVENTORY AND INVENTORY VALUE

Class	Number on Farms			Value per Head			Total Inventory Value		
	1985	1986	1987	1985	1986	1987	1985	1986	1987
	<u>1,000 Head</u>			<u>Dollars</u>			<u>1,000 Dollars</u>		
All Cattle & Calves, Jan. 1.....	3,550	3,400	3,150	460.00	425.00	465.00	1,633,000	1,445,000	1,464,750
Total Cows That Have Calved.	1,310	1,336	1,260						
Beef Cows.....	420	396	405						
Milk Cows.....	890	940	855						
Total Heifers 500 Pounds+...	650	714	690						
Beef Replacement.....	64	62	66						
Milk Replacement.....	387	398	350						
Other.....	199	254	274						
Steers 500 Pounds+.....	716	525	485						
Bulls 500 Pounds+.....	43	37	38						
Steers, Heifers, Bulls, Under 500 Pounds.....	831	788	677						
Cattle & Calves on Feed, Jan. 1.....	370	300	305						
All Hogs & Pigs, Dec. 1 1/...	4,300	4,100	4,260	72.50	68.00	93.00	311,750	278,800	396,180
All Sheep & Lambs, Jan. 1 ...	255	213	237	64.50	75.50	83.50	16,448	16,082	19,790
Stock Sheep.....	185	150	165						
Ewes 1 Year+.....	150	120	130						
Ewe Lambs.....	23	19	23						
Wethers & Rams 1 Year+....	7	6	6						
Wether & Ram Lambs.....	5	5	6						
Sheep & Lambs On Feed.....	70	63	72						
All Chickens, Dec. 1 1/.....	13,800	12,700	12,800	1.90	1.80	1.40	26,220	22,860	17,920
Hens & Pullets of Laying Age	10,050	9,670	10,000						
Pullets 3 Months Old+, Not of Laying Age.....	1,975	1,720	1,260						
Pullets Under 3 Months.....	1,720	1,250	1,485						
Other Chickens.....	55	60	55						
TOTAL.....							1,987,418	1,762,742	1,898,640

1/ December 1 preceding year.

MINNESOTA CATTLE & CALVES DISPOSITION

Year	Inshipments	Marketings 1/		Farm Slaughter 2/ Cattle and Calves	Deaths	
		Cattle	Calves		Cattle	Calves
		<u>1,000 Head</u>				
1982	670	1,842	170	15	58	155
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

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			Calves Born	Marketings 1/	Price Per 100 Lbs.		Cash Re- ceipts 2/	Gross Income 3/
	All Cattle	All Cows That Have Calved	Milk Cows That Have Calved			Cattle	Calves		
	<u>1,000 Head</u>			<u>1,000 Head</u>	<u>1,000 Lbs.</u>	<u>Dollars</u>		<u>1,000 Dols.</u>	<u>1,000 Dols.</u>
1982	3,880	1,490	905	1,300	2,068,290	48.60	60.30	1,008,875	1,028,997
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/ 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
			<u>1,000 Head</u>			<u>1,000 Head</u>			
1982:	January 1...	350	234	112	4	40	106	78	122
	April 1.....	415	266	145	4	9	160	149	93
	July 1.....	405	255	146	4	8	65	164	164
	October 1...	310	205	102	3	9	37	96	165
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

1/ "Other" class not included in "Weight Groups".

ALL CATTLE, CATTLE ON FEED, ALL STOCK SHEEP: JANUARY 1 INVENTORY, BY DISTRICTS AND
COUNTIES, MINNESOTA, 1986-87

District and County	All Cattle and Calves		Cattle and Calves on Feed		All Stock Sheep and Lambs	
	1986		1987		1986	
	Number		Number		Number	
Becker	42,700	43,800	1,700	3,800	1,400	2,200
Clay	23,200	20,800	1,600	1,900	900	900
Clearwater	27,800	28,900	700	1,100	1,800	1,800
Kittson	13,000	14,200	400	400	1,000	1,700
Mahnomen	17,000	18,300	900	800	500	500
Marshall	19,700	18,900	1,200	2,000	2,500	3,100
Norman	20,700	20,100	1,400	1,400	400	400
Pennington	17,200	15,400	800	500	900	1,100
Polk	47,300	44,700	3,400	5,100	3,000	3,000
Red Lake	17,700	18,300	400	800	500	500
Roseau	35,800	32,900	1,200	1,800	2,800	4,000
Northwest	282,100	276,300	13,700	19,600	15,700	19,200
Beltrami	27,100	27,100	700	1,200	1,900	1,900
Cass	28,900	26,500	800	800	1,700	2,000
Hubbard	14,600	15,800	600	500	1,600	1,700
Itasca	18,200	19,300	600	1,100	300	400
Koochiching	13,000	11,700	200	400	600	1,000
Lake of the Woods	7,800	7,100	100	100	300	300
North Central	109,600	107,500	3,000	4,100	6,400	7,300
Cook	300	300	--	--	--	--
Lake	600	700	--	100	200	200
St. Louis	20,600	23,600	600	600	600	800
Northeast	21,500	24,600	600	700	800	1,000
Big Stone	16,400	15,400	1,600	1,500	800	700
Chippewa	14,000	13,300	3,000	1,600	1,800	1,700
Douglas	50,300	47,600	2,700	3,300	1,900	1,800
Grant	16,900	15,800	2,800	3,300	900	900
Lac Qui Parle	35,500	30,900	5,700	7,000	1,400	1,400
Otter Tail	141,000	148,000	5,600	7,000	5,900	5,100
Pope	43,500	50,100	2,600	5,200	900	900
Stevens	28,500	25,300	8,500	9,200	1,400	1,700
Swift	19,600	17,400	2,600	2,100	1,100	1,100
Traverse	13,400	13,600	4,100	4,800	1,200	1,200
Wilkin	9,700	8,600	500	300	400	400
Yellow Medicine	29,200	23,600	5,000	4,400	1,700	1,900
West Central	418,000	409,600	44,700	49,700	19,400	18,800
Benton	42,500	40,300	2,000	1,700	600	600
Carver	59,000	58,300	2,500	2,800	900	900
Kandiyohi	41,700	36,800	4,200	3,300	3,200	4,000
McLeod	43,700	42,000	2,200	2,400	800	800
Meeker	44,300	40,700	2,700	3,200	1,300	1,300
Morrison	90,800	84,100	2,800	3,000	900	1,200
Renville	30,400	29,900	5,800	4,900	5,000	6,100
Scott	37,100	33,700	3,400	3,400	800	1,000
Sherburne	19,200	18,000	1,500	1,800	900	1,100
Sibley	43,400	36,200	3,700	4,000	1,600	1,900
Stearns	187,400	176,300	8,000	8,200	2,100	1,800
Todd	89,000	84,700	2,000	2,600	2,200	2,700
Wadena	33,800	33,700	800	1,200	2,000	1,800
Wright	69,700	66,800	3,900	4,300	1,500	1,900
Central	832,000	781,500	45,500	46,800	23,800	27,100

ALL CATTLE, CATTLE ON FEED, ALL STOCK SHEEP: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

District and County	All Cattle and Calves		Cattle and Calves on Feed		All Stock Sheep and Lambs	
	1986	1987	1986	1987	1986	1987
	Number	Number	Number	Number	Number	Number
Aitkin	22,800	20,600	500	1,100	700	700
Anoka	9,500	8,600	500	500	400	600
Carlton	23,100	21,500	600	400	300	500
Chisago	30,500	29,200	1,300	1,800	400	500
Crow Wing	21,600	19,300	500	700	700	1,100
Hennepin	24,400	23,700	1,200	1,600	700	700
Isanti	20,300	17,900	900	1,600	1,000	1,000
Kanabec	43,600	39,900	1,000	1,800	1,000	900
Mille Lacs	37,000	35,600	1,000	1,400	800	800
Pine	52,100	57,700	700	1,200	2,100	2,300
Ramsey	1,000	800	--	--	100	100
Washington	20,100	19,900	1,500	2,100	1,600	1,600
<u>East Central</u>	306,000	294,700	9,700	14,200	9,800	10,800
Cottonwood	43,100	36,100	11,900	12,500	3,500	4,400
Jackson	33,000	31,200	7,700	6,400	2,900	2,900
Lincoln	47,600	32,100	8,500	7,700	3,100	3,400
Lyon	50,500	38,500	9,600	7,600	3,600	4,100
Murray	47,800	46,200	8,700	9,400	3,600	4,000
Nobles	57,600	47,200	9,900	7,700	4,100	4,600
Pipestone	43,000	29,700	3,900	3,100	5,200	4,900
Redwood	43,300	34,900	10,100	8,500	2,600	2,800
Rock	52,800	44,900	12,400	12,600	2,300	2,700
<u>Southwest</u>	418,700	340,800	82,700	75,500	30,900	33,800
Blue Earth	27,300	22,200	6,200	4,700	2,300	2,500
Brown	38,800	36,900	7,200	7,000	1,900	2,000
Faribault	21,300	20,000	4,400	4,800	2,700	3,000
Freeborn	28,500	22,400	3,000	2,500	4,000	4,000
LeSueur	30,200	29,300	3,400	2,700	1,300	1,300
Martin	29,000	23,600	6,300	3,900	3,200	3,300
Nicollet	24,900	21,700	3,500	2,900	1,100	1,200
Rice	44,800	40,300	3,500	2,900	1,300	1,600
Steele	28,700	24,900	3,100	3,200	1,100	1,200
Waseca	19,500	15,800	1,900	1,200	1,300	1,600
Watonwan	18,100	17,300	3,700	4,600	900	1,200
<u>South Central</u>	311,100	274,400	46,200	40,400	21,100	22,900
Dakota	35,500	43,200	5,200	9,900	1,500	1,400
Dodge	33,000	30,900	3,400	2,700	1,400	1,500
Fillmore	122,000	111,500	8,800	7,800	4,700	5,200
Goodhue	106,600	98,100	7,300	6,400	3,800	4,100
Houston	94,200	80,300	5,900	4,800	1,000	1,100
Mower	33,800	32,100	4,900	4,000	2,500	2,600
Olmsted	92,200	78,800	6,700	7,200	3,000	3,500
Wabasha	88,900	77,800	6,400	5,200	3,400	3,600
Winona	94,800	87,900	5,300	6,000	800	1,100
<u>Southeast</u>	701,000	640,600	53,900	54,000	22,100	24,100
Minnesota	3,400,000	3,150,000	300,000	305,000	150,000	165,000

BEEF COWS, MILK COWS: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87

District	*	Beef Cows		*	Milk Cows	
and	*			*		
County	*	1986	1987	*	1986	1987

		<u>Number</u>			<u>Number</u>	
Becker		5,800	7,800		14,100	12,900
Clay		5,300	5,100		4,000	3,800
Clearwater		8,400	9,500		3,800	4,200
Kittson		4,800	6,900		600	300
Mahnomen		4,000	4,700		2,800	2,600
Marshall		5,100	5,700		2,500	2,300
Norman		4,000	5,500		3,500	3,300
Pennington		3,500	3,800		3,900	3,600
Polk		9,700	10,500		6,600	6,100
Red Lake		4,300	6,400		2,800	2,600
Roseau		8,700	10,100		6,400	5,600
<u>Northwest</u>		63,600	76,000		51,000	47,300
Beltrami		8,600	10,200		4,200	3,900
Cass		8,000	10,800		4,500	4,000
Hubbard		4,000	5,900		1,900	1,700
Itasca		6,100	8,900		1,500	1,400
Koochiching		2,600	4,000		800	600
Lake of the Woods		3,100	3,700		600	400
<u>North Central</u>		32,400	43,500		13,500	12,000
Cook		100	200		--	--
Lake		200	300		--	--
St. Louis		4,500	6,800		3,800	3,500
<u>Northeast</u>		4,800	7,300		3,800	3,500
Big Stone		3,300	3,500		2,600	2,000
Chippewa		2,100	2,200		2,200	1,700
Douglas		4,700	5,400		20,500	19,500
Grant		1,600	1,800		3,300	2,600
Lac Qui Parle		6,600	6,000		4,200	3,200
Otter Tail		12,300	13,400		51,000	49,000
Pope		3,800	5,300		14,500	14,000
Stevens		3,000	2,600		1,600	1,500
Swift		3,700	3,800		4,400	3,700
Traverse		1,600	1,500		1,100	900
Wilkin		1,600	1,600		2,100	1,400
Yellow Medicine		5,000	5,100		3,300	2,700
<u>West Central</u>		49,300	52,200		110,800	102,200
Benton		3,700	3,100		19,000	17,500
Carver		2,100	2,100		23,600	22,100
Kandiyohi		3,000	2,100		13,800	12,400
McLeod		1,500	1,100		21,800	20,100
Meeker		2,800	1,900		17,600	14,900
Morrison		7,600	6,700		38,600	34,600
Renville		2,000	1,800		6,100	5,700
Scott		2,900	2,500		12,900	12,100
Sherburne		2,000	2,000		4,400	4,000
Sibley		2,000	1,700		16,800	13,300
Stearns		6,600	6,500		85,600	82,400
Todd		5,100	5,600		39,000	35,400
Wadena		3,500	4,300		12,800	10,300
Wright		4,900	3,800		28,200	27,400
<u>Central</u>		49,700	45,200		340,200	312,200

BEEF COWS, MILK COWS: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1986-87 (CONT'D)

District and County	Beef Cows		Milk Cows	
	1986	1987	1986	1987
	Number		Number	
Aitkin	5,000	6,400	3,900	3,600
Anoka	1,400	1,400	2,200	1,500
Carlton	3,500	3,500	6,200	6,100
Chisago	4,100	4,700	8,300	7,500
Crow Wing	4,300	5,000	4,500	4,300
Hennepin	2,200	2,300	8,200	8,000
Isanti	2,300	2,000	6,500	6,200
Kanabec	6,000	7,800	10,500	9,900
Mille Lacs	2,900	3,000	15,300	13,800
Pine	7,800	9,900	15,500	14,500
Ramsey	200	300	100	100
Washington	2,700	3,100	3,200	3,100
East Central	42,400	49,400	84,400	78,600
Cottonwood	3,200	2,000	3,700	2,800
Jackson	3,300	3,100	3,200	2,400
Lincoln	5,600	4,900	5,800	4,300
Lyon	6,700	4,900	4,400	3,800
Murray	4,400	3,800	7,900	7,000
Nobles	5,100	3,500	6,400	5,500
Pipestone	6,100	3,700	9,300	7,000
Redwood	4,900	3,100	4,700	4,000
Rock	7,000	4,100	5,600	4,700
Southwest	46,300	33,100	51,000	41,500
Blue Earth	2,800	2,300	2,700	2,700
Brown	1,700	1,600	11,800	11,000
Faribault	1,900	1,300	3,500	3,100
Freeborn	3,500	2,100	7,100	6,200
LeSueur	3,400	4,100	9,700	8,100
Martin	2,500	1,500	3,600	3,100
Nicollet	1,500	900	9,800	7,900
Rice	2,200	1,400	20,400	17,700
Steele	1,600	1,000	11,500	10,700
Waseca	1,700	1,400	7,700	6,600
Watsonwan	1,700	1,200	2,400	2,000
South Central	24,500	18,800	90,200	79,100
Dakota	2,100	2,700	9,000	8,100
Dodge	1,800	1,100	13,200	11,800
Fillmore	23,500	22,800	27,000	24,500
Goodhue	8,300	9,000	36,100	34,100
Houston	12,400	12,000	20,000	18,000
Mower	3,700	3,600	8,700	8,500
Olmsted	12,700	10,900	22,000	19,300
Wabasha	10,100	9,000	25,800	24,000
Winona	8,400	8,400	33,300	30,300
Southeast	83,000	79,500	195,100	178,600
Minnesota	396,000	405,000	940,000	855,000

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
	<u>1,000 Head</u>	<u>1,000 Head</u>	<u>1,000 Head</u>			
1982: March.....	3,870	530	1,269	875	698	498
June.....	3,780	578	1,304	794	592	512
September...	3,950	573	1,520	888	550	419
December....	4,000	550	1,415	915	672	448
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	1,410	890	790	520
December....	4,260	535	1,400	960	795	570
1987: March.....	4,100	530	1,430	870	690	580

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					
	<u>1,000 Head</u>		<u>1,000 Head</u>		<u>1,000 Head</u>		<u>1,000 Head</u>				
1982	450	3,345	475	3,588	925	6,933	217	7,030	20	400	4,000
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

1/ Excludes interfarm sales.

2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA HOG PRODUCTION AND INCOME

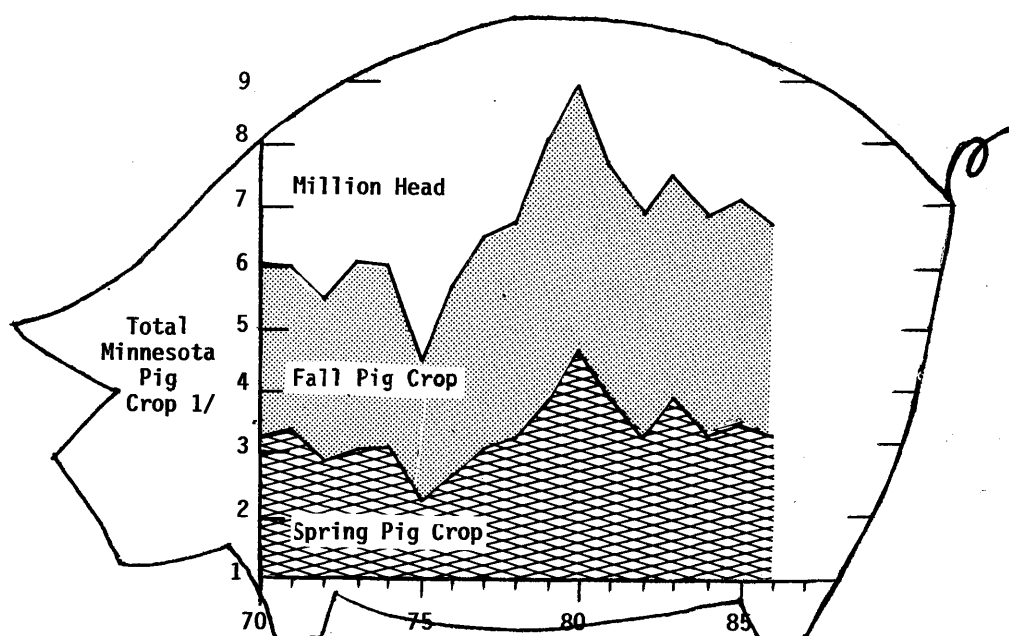
Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Cash Receipts 3/	Gross Income 4/
	<u>1,000 Pounds</u>		<u>Dollars</u>	<u>1,000 Dollars</u>	
1982	1,539,700	1,582,145	52.60	844,522	851,591
1983	1,626,788	1,564,300	46.90	741,410	747,151
1984	1,488,512	1,510,990	47.50	726,857	733,490
1985	1,572,043	1,601,561	44.40	721,397	726,656
1986	1,479,217	1,460,285	50.70	750,234	755,809

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.



1/ Fall pig crop is for June through 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/
1982	144	542,300	143,600
1983	148	553,800	142,100
1984	156	591,600	146,900
1985	160	571,200	146,300
1986 2/			

1/ Females bred to produce kits the following year.

2/ Not available at time of publication.

MINNESOTA HOGS AND PIGS, BY DISTRICTS AND COUNTIES

District and County	All Hogs		Annual Farrowings		Annual Pig Crop	
	Dec. 1					
	1985	1986	1985	1986	1985	1986
	Number		Number		Number	
Becker	8,700	7,400	2,600	2,200	20,200	16,800
Clay	12,800	11,100	2,900	2,700	22,500	20,600
Clearwater	2,500	1,800	1,400	900	10,900	6,900
Kittson	1,700	1,800	700	700	5,400	5,400
Mahnomen	4,100	4,300	1,600	1,500	12,400	11,500
Marshall	7,400	5,900	2,600	2,200	20,200	16,800
Norman	8,200	7,800	2,200	2,100	17,100	16,000
Pennington	4,900	4,700	1,900	1,700	14,700	13,000
Polk	11,900	10,700	3,400	3,000	26,400	22,900
Red Lake	3,500	3,900	1,000	1,100	7,800	8,400
Roseau	4,000	3,400	1,400	1,200	10,900	9,200
Northwest	69,700	62,800	21,700	19,300	168,500	147,500
Beltrami	8,200	7,800	2,400	2,200	18,600	16,600
Cass	9,400	6,000	2,800	2,000	21,700	15,100
Hubbard	9,000	9,400	2,700	2,500	21,000	18,900
Itasca	4,900	2,600	1,900	1,200	14,800	9,000
Koochiching	1,200	1,700	400	400	3,100	3,000
Lake of the Woods	1,200	900	500	400	3,900	3,000
North Central	33,900	28,400	10,700	8,700	83,100	65,600
Cook	--	--	--	--	--	--
Lake	--	--	--	--	--	--
St. Louis	2,800	1,800	800	500	6,200	3,900
Northeast	2,800	1,800	800	500	6,200	3,900
Big Stone	33,900	29,800	8,100	6,700	64,200	54,000
Chippewa	52,000	54,000	10,600	10,300	84,000	83,000
Douglas	17,500	16,600	5,400	4,500	42,800	36,200
Grant	19,000	18,300	5,400	4,900	42,800	39,500
Lac Qui Parle	47,000	53,700	11,100	11,800	87,900	95,100
Otter Tail	44,100	49,500	16,000	14,700	126,700	118,400
Pope	24,600	21,500	6,600	6,000	52,300	48,300
Stevens	52,000	43,900	12,800	11,100	101,400	89,400
Swift	40,700	46,900	8,400	8,900	66,500	71,700
Traverse	17,500	18,000	2,800	3,000	22,200	24,200
Wilkin	15,200	15,800	2,900	3,100	23,000	25,000
Yellow Medicine	63,000	60,000	11,900	10,900	94,300	87,800
West Central	426,500	428,000	102,000	95,900	808,100	772,600
Benton	29,500	35,100	10,400	11,300	81,900	92,200
Carver	35,500	37,000	6,800	7,100	53,500	57,900
Kandiyohi	65,800	69,500	16,300	17,400	128,300	142,000
McLeod	53,300	52,500	11,500	10,800	90,500	88,100
Meeker	73,700	82,600	17,200	17,400	135,400	142,000
Morrison	43,000	39,600	17,200	15,800	135,400	128,900
Renville	109,700	126,100	20,800	23,100	163,700	188,500
Scott	29,500	33,000	4,900	5,000	38,600	40,800
Sherburne	21,000	14,100	5,100	4,400	40,100	35,900
Sibley	108,000	91,000	20,800	17,700	163,700	144,400
Stearns	118,000	126,000	33,100	32,900	260,500	268,500
Todd	29,500	34,900	11,900	11,500	93,700	93,800
Wadena	16,500	19,600	5,900	5,700	46,400	46,500
Wright	37,000	43,400	11,300	11,700	88,900	95,500
Central	770,000	804,400	193,200	191,800	1,520,600	1,565,000

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

District and County	All Hogs, Dec. 1		Annual Farrowings		Annual Pig Crop	
	1985	1986	1985	1986	1985	1986
	Number		Number		Number	
Aitkin	1,700	1,000	700	400	5,500	3,000
Anoka	8,500	9,800	1,400	1,400	10,900	10,400
Carlton	1,200	800	200	200	1,600	1,500
Chisago	9,800	11,000	2,300	2,300	18,000	17,100
Crow Wing	5,300	7,500	2,500	2,700	19,500	20,100
Hennepin	9,200	7,900	1,800	1,800	14,100	13,400
Isanti	13,100	10,700	3,800	3,200	29,700	23,800
Kanabec	13,400	14,500	3,300	3,300	25,800	24,500
Mille Lacs	8,700	10,600	3,200	3,700	25,000	27,500
Pine	5,700	7,900	1,800	2,100	14,100	15,600
Ramsey	800	500	100	100	800	700
Washington	8,700	8,400	1,500	1,500	11,700	11,200
East Central	86,100	90,600	22,600	22,700	176,700	168,800
Cottonwood	80,000	88,000	13,900	13,800	110,800	106,900
Jackson	148,700	159,700	25,500	23,600	203,400	182,800
Lincoln	53,000	55,000	11,300	10,300	90,100	79,800
Lyon	91,000	106,500	19,000	18,700	151,500	144,900
Murray	97,000	87,300	17,200	16,700	137,200	129,400
Nobles	135,000	163,200	27,600	28,500	220,100	220,800
Pipestone	53,800	52,400	10,700	10,100	85,300	78,200
Redwood	118,000	129,500	23,000	22,800	183,400	176,600
Rock	95,000	104,800	17,000	16,800	135,600	130,100
Southwest	871,500	946,400	165,200	161,300	1,317,400	1,249,500
Blue Earth	129,000	140,600	22,000	21,800	177,700	175,600
Brown	122,500	123,700	18,800	17,200	151,900	138,600
Faribault	128,500	114,200	24,000	21,200	193,900	170,800
Freeborn	141,000	146,100	28,000	25,800	226,200	207,900
LeSueur	72,700	74,500	15,500	15,000	125,200	120,800
Martin	162,000	191,700	36,000	36,400	290,900	293,300
Nicollet	110,000	95,000	21,900	18,500	176,900	149,000
Rice	94,000	95,000	20,500	19,100	165,600	153,900
Steele	66,800	72,800	12,900	12,200	104,200	98,300
Waseca	68,000	74,100	15,400	15,200	124,400	122,500
Watonswan	80,000	78,900	16,000	14,600	129,300	117,600
South Central	1,174,500	1,206,600	231,000	217,000	1,866,200	1,748,300
Dakota	44,000	46,000	9,200	8,900	71,400	72,600
Dodge	59,000	55,000	12,000	10,600	93,200	86,500
Fillmore	134,000	150,800	28,100	27,900	218,200	227,700
Goodhue	65,000	65,600	13,900	12,800	108,000	104,400
Houston	62,000	63,500	11,800	10,600	91,600	86,500
Mower	141,100	144,800	28,700	25,900	222,900	211,300
Olmsted	53,000	57,100	11,600	10,600	90,100	86,500
Wabasha	55,000	55,400	11,600	10,500	90,100	85,700
Winona	51,900	52,800	10,900	10,000	84,700	81,600
Southeast	665,000	691,000	137,800	127,800	1,070,200	1,042,800
Minnesota	4,100,000	4,260,000	885,000	845,000	7,017,000	6,764,000

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				
	<u>1,000 Head</u>			<u>1,000 Head</u>		<u>. 1,000 Dollars</u>	
1982	335	60	275	245	305	14,716	15,126
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	---	---	-----	-----

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

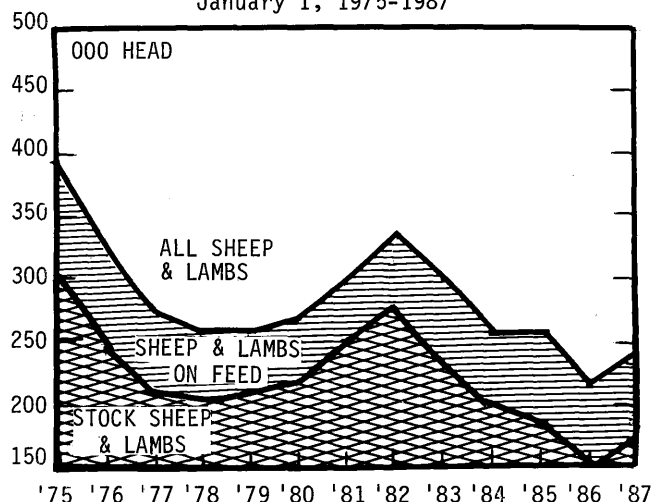
Year	Sheep Shorn 1/	Weight Per Fleece	Production Total	Annual Average Price Per Pound 2/	Value
	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1982	310	7.3	2,264	48	1,087
1983	305	6.9	2,110	39	823
1984	285	7.0	1,985	54	1,072
1985	240	7.0	1,675	44	737
1986	250	6.5	1,629	45	733

1/ Includes sheep shorn at commercial feeding yards.

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



MINNESOTA SHEEP AND LAMBS
January 1, 1975-1987

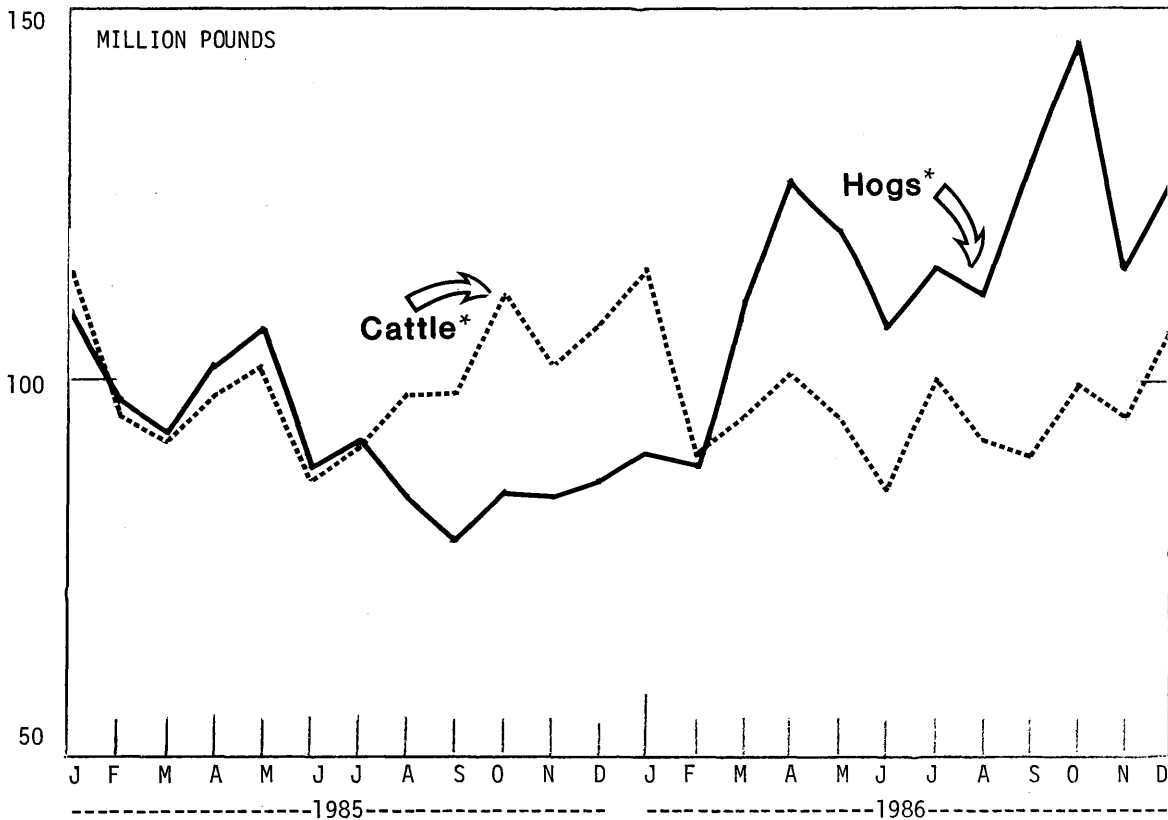


MINNESOTA COMMERCIAL LIVESTOCK SLAUGHTER

Month	CATTLE						CALVES					
	Number Slaughtered		Liveweight				Number Slaughtered		Liveweight			
			Average Weight		Total Weight				Average Weight		Total Weight	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
	1,000 Head		Pounds		1,000 Pounds		1,000 Head		Pounds		1,000 Pounds	
January.....	97.7	99.3	1,159	1,163	113,281	115,428	0.4	0.3	202	203	83	71
February....	80.8	76.9	1,181	1,182	95,448	90,838	0.3	0.3	212	205	69	51
March.....	78.6	80.1	1,183	1,189	92,957	95,255	0.3	0.3	233	234	80	69
April.....	82.4	86.3	1,195	1,164	98,429	100,468	0.4	0.5	222	202	80	92
May.....	85.9	84.1	1,197	1,130	102,819	95,034	0.4	0.3	207	191	73	67
June.....	75.0	74.7	1,186	1,145	88,978	85,581	0.3	0.3	242	218	70	56
July.....	78.7	88.7	1,170	1,130	91,998	100,259	0.3	0.3	228	240	62	68
August.....	83.3	82.8	1,168	1,131	97,244	93,599	0.3	0.3	219	214	65	58
September...	83.1	78.4	1,170	1,149	97,242	90,059	0.3	0.3	206	216	61	61
October.....	97.2	85.9	1,161	1,162	112,879	99,855	0.4	0.3	209	228	82	66
November....	88.9	83.0	1,164	1,153	103,469	95,766	0.4	0.3	207	240	79	63
December....	94.0	92.9	1,149	1,162	108,034	107,860	0.4	0.3	232	240	91	74
ANNUAL TOTAL.....	1,025.5	1,013.2	1,173	1,155	1,202,777	1,170,001	4.1	3.7	218	218	894	797
	HOGS						SHEEP AND LAMBS					
January.....	454.0	379.8	242	237	109,859	90,041	38.0	32.5	118	120	4,497	3,886
February....	404.3	375.9	241	236	97,360	88,792	31.5	24.6	119	121	3,766	2,960
March.....	393.1	470.9	239	236	93,947	111,152	34.9	24.5	122	120	4,272	2,928
April.....	427.4	544.7	240	237	102,618	128,916	32.9	23.8	123	119	4,050	2,828
May.....	443.7	508.1	243	236	107,595	119,942	29.9	22.6	117	122	3,492	2,753
June.....	369.1	460.9	242	236	89,135	108,587	28.0	24.5	111	111	3,107	2,722
July.....	392.6	491.2	236	235	92,685	115,416	44.3	32.4	111	111	4,928	3,606
August.....	358.9	483.9	235	233	84,509	112,956	43.8	33.8	112	114	4,904	3,868
September...	330.9	544.7	236	237	77,969	129,181	38.2	33.9	112	115	4,264	3,915
October.....	360.4	606.0	236	240	85,171	145,716	44.6	34.3	115	115	5,122	3,961
November....	355.0	475.5	238	242	84,594	115,069	35.7	27.9	118	116	4,213	3,238
December....	368.7	520.5	238	243	87,880	126,484	35.6	32.2	119	118	4,244	3,792
ANNUAL TOTAL.....	4,658.1	5,862.1	239	238	1,113,322	1,392,253	437.4	347.1	116	117	50,861	40,459

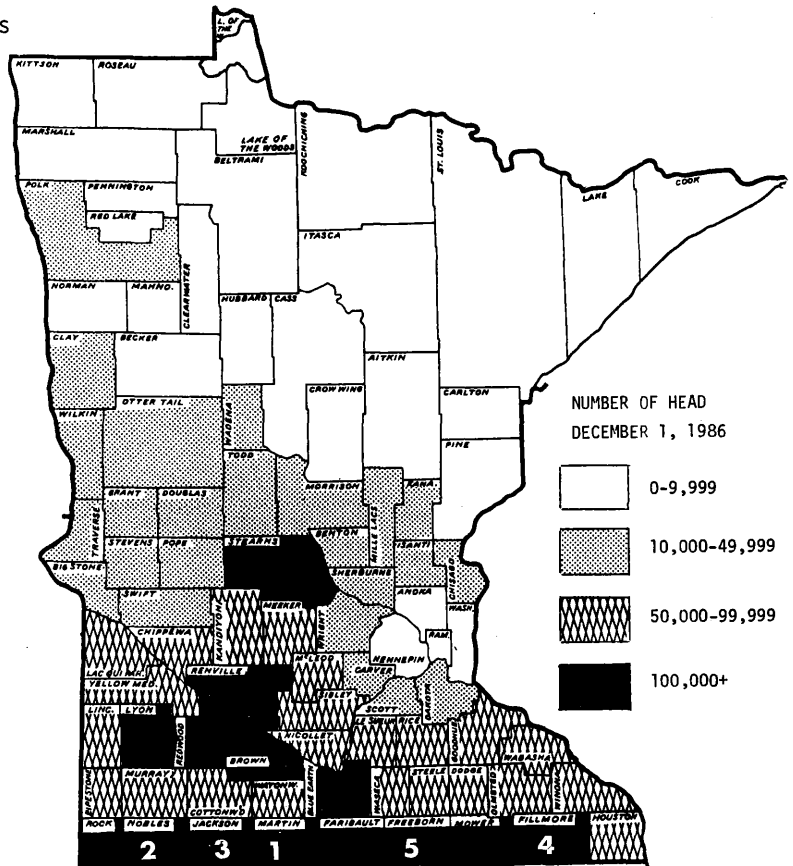
Note: Totals may not add due to rounding.

MINNESOTA'S BEEF & PORK PRODUCTION

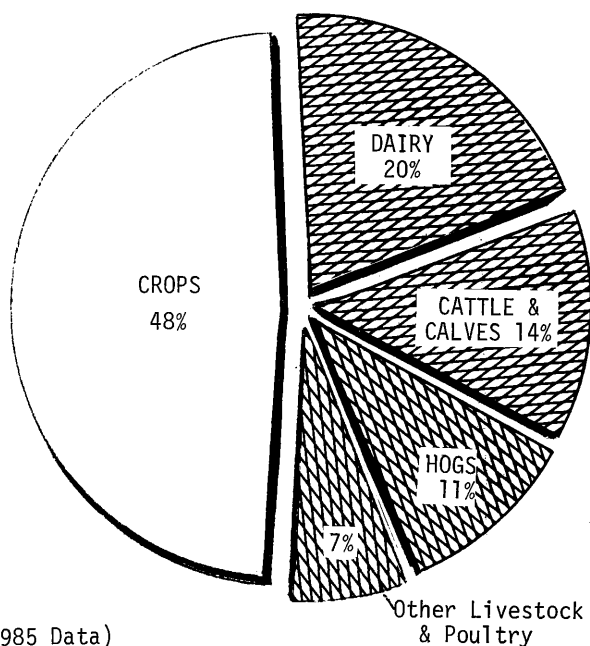


*Total liveweight of cattle and hogs commercially slaughtered.

GEOGRAPHIC DISTRIBUTION OF MINNESOTA HOGS



**LIVESTOCK, DAIRY, POULTRY
ACCOUNT FOR 52% OF TOTAL
CASH RECEIPTS IN MINNESOTA**

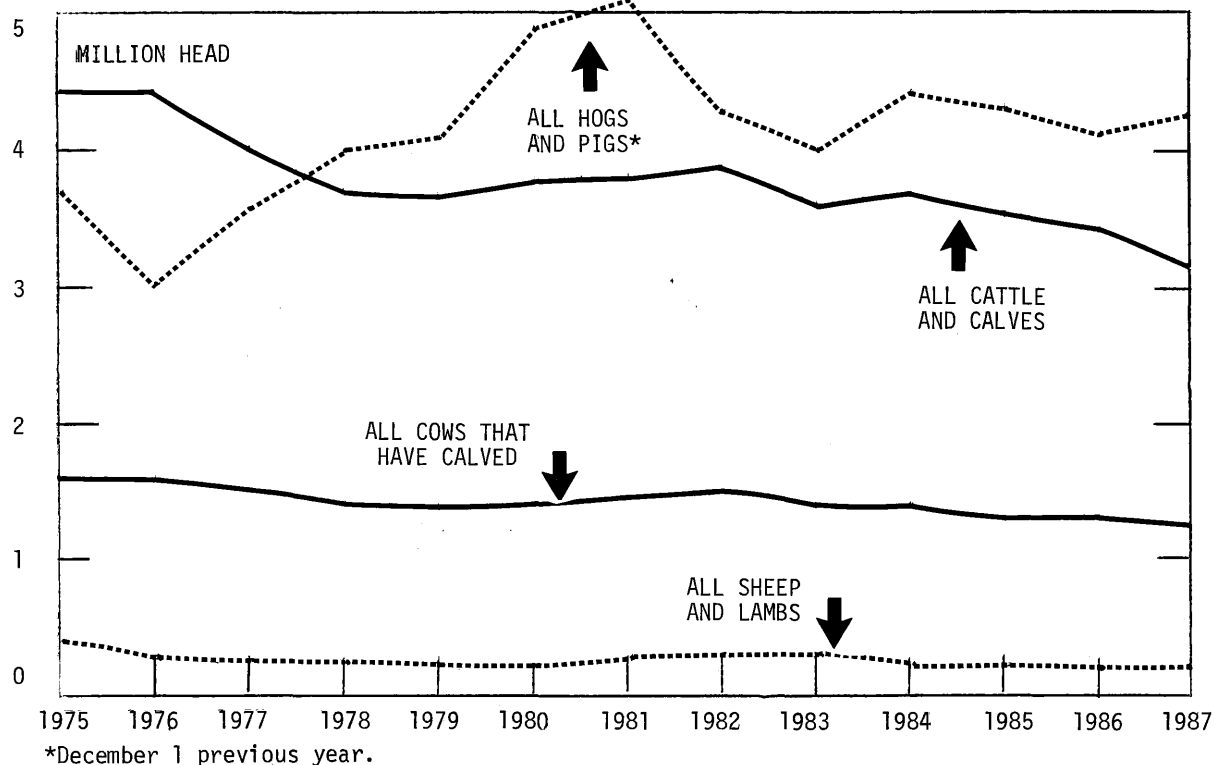


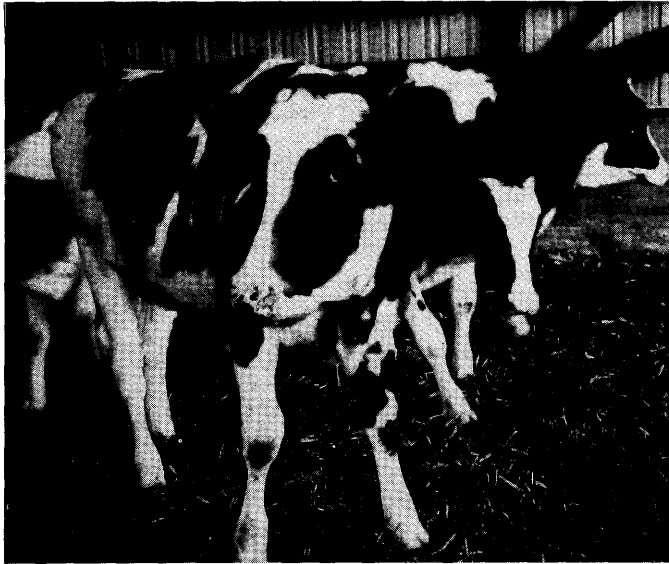
Price spreads for beef stabilize while pork spread widens

Meat	Retail price per pound	Farm value ¹	Farm-to-retail price spread	Farm value share of retail price
	Dollars		Percent	
Choice beef:				
1980	2.38	1.45	0.93	61
1981	2.39	1.39	1.00	58
1982	2.42	1.40	1.02	58
1983	2.38	1.36	1.02	57
1984	2.40	1.40	1.00	58
1985	2.33	1.27	1.06	55
1986	2.31	1.24	1.06	54
Pork:				
1980	1.39	.63	.76	45
1981	1.52	.70	.82	46
1982	1.75	.88	.87	50
1983	1.70	.77	.93	45
1984	1.62	.77	.85	48
1985	1.62	.71	.91	44
1986	1.78	.82	.96	46

¹For quantity of live animal equivalent to 1 retail pound; for beef, 2.4 pounds and for pork, 1.7 pounds, minus byproduct allowance.

LIVESTOCK ON MINNESOTA FARMS, JANUARY 1





Dairy

Minnesota's milk production totaled 10.6 billion pounds in 1986, 2% less than 1985. The state's share of national production in 1986 was 7%. The 12-month average number of milk cows was 891 versus 915 in 1985.

The average milk per cow was 11,912 in 1986, up 65 pounds from 1985.

The count of plant patrons selling milk or cream in June 1986 totaled 20,345. This compares with the totals of 22,168 for June 1985 and 23,247 for June 1984.

MINNESOTA MILK PRODUCTION, DISPOSITION, AND INCOME

Year	Total Milk Produced	Disposition of Milk Produced			Cash Receipts	Gross Producer Income
		Used on Farm Where Produced		Sale of Wholesale Milk		
		Fed to Calves	Consumed in Farm Household			
	<u>Mil.Lbs.</u>	<u>Million Pounds</u>			<u>1,000 Dollars</u>	
1982	10,341	50	21	10,270	1,333,046	1,335,772
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	240	24	10,350	1,226,475	1,229,319

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
	<u>1,000 Pounds</u>					<u>1,000 Gallons</u>		
1982	179,226	567,430	501,619	188,193	291,547	35,137	6,065	1,567
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

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
1982 1/	910	910	910	910	910	910	900	900	900	890	890	890	903
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

MILK PRODUCTION ON FARMS
(Million Pounds)

1982 1/	883	842	960	950	997	965	860	789	745	775	755	820	10,341
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

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

1982	3.73	3.68	3.66	3.65	3.60	3.55	3.51	3.50	3.64	3.75	3.75	3.72	3.65
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

BUTTER MANUFACTURED
(Million Pounds)

1982 1/	15.8	14.8	16.7	16.4	16.8	16.2	14.7	13.6	13.5	13.2	13.3	14.4	179.2
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

AMERICAN CHEESE MANUFACTURED
(Million Pounds)

1982 1/	43.6	40.6	45.6	44.4	45.5	44.7	41.5	35.0	37.4	40.9	39.5	43.0	501.6
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

1/ Monthly totals in 1982 derived, consistent with previously published quarterly estimates.

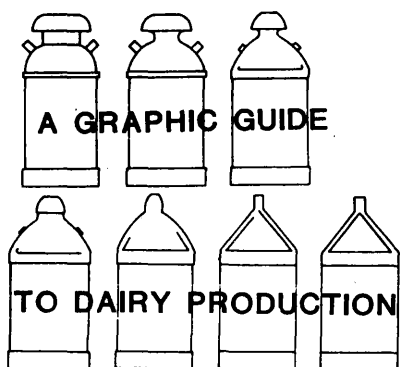
DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY DISTRICTS AND COUNTIES,
MINNESOTA, 1985-86

District and County	* Annual Average Milk * Cows on Farms * 1985	* Annual Average * 1986	* Annual Average * Production per Cow * 1985	* 1986	* Total * Production * 1985	1986

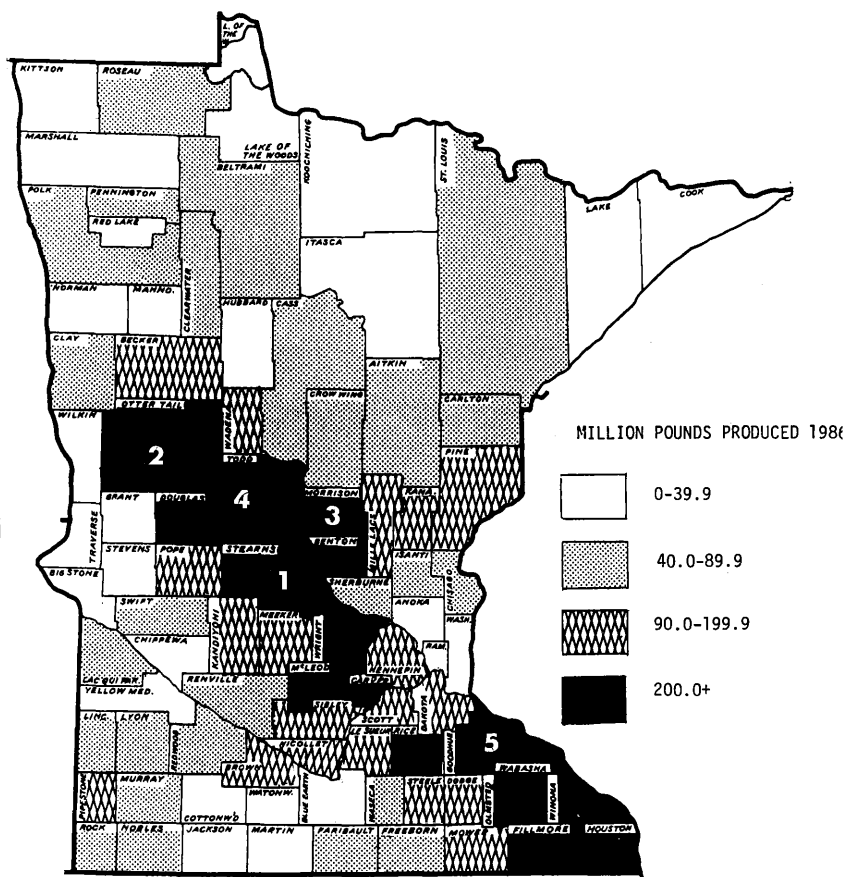
	Number		Thousand Pounds		Thousand Pounds	
Becker	13,700	13,600	12.4	12.5	170,000	170,000
Clay	4,000	3,900	12.3	12.3	49,000	48,000
Clearwater	3,900	3,900	11.5	11.5	45,000	45,000
Kittson	600	500	11.7	12.0	7,000	6,000
Mahnomen	3,000	2,800	11.0	11.1	33,000	31,000
Marshall	2,600	2,500	11.2	11.2	29,000	28,000
Norman	3,600	3,500	10.8	11.1	39,000	39,000
Pennington	3,700	3,700	11.1	11.1	41,000	41,000
Polk	6,800	6,600	11.3	11.4	77,000	75,000
Red Lake	3,000	2,800	11.3	11.4	34,000	32,000
Roseau	6,300	6,200	11.6	11.8	73,000	73,000
Northwest	51,200	50,000	11.7	11.8	597,000	588,000
Beltrami	4,100	4,000	11.0	11.0	45,000	44,000
Cass	4,400	4,200	10.7	10.7	47,000	45,000
Hubbard	1,700	1,700	11.8	11.8	20,000	20,000
Itasca	1,400	1,400	10.7	10.7	15,000	15,000
Koochiching	800	700	10.0	10.0	8,000	7,000
Lake of the Woods	600	500	10.0	10.0	6,000	5,000
North Central	13,000	12,500	10.8	10.9	141,000	136,000
Cook	--	--	--	--	--	--
Lake	--	--	--	--	--	--
St. Louis	3,600	3,500	11.4	11.4	41,000	40,000
Northeast	3,600	3,500	11.4	11.4	41,000	40,000
Big Stone	2,600	2,400	10.4	10.4	27,000	25,000
Chippewa	1,800	1,700	11.1	11.2	20,000	19,000
Douglas	20,400	20,100	11.5	11.6	235,000	234,000
Grant	3,400	3,100	11.8	11.9	40,000	37,000
Lac Qui Parle	4,100	3,800	11.0	11.1	45,000	42,000
Otter Tail	49,300	49,100	11.9	12.0	589,000	587,000
Pope	14,600	14,400	11.8	11.9	173,000	171,000
Stevens	1,700	1,600	11.2	11.3	19,000	18,000
Swift	4,300	4,100	11.6	11.7	50,000	48,000
Traverse	1,200	1,100	10.0	10.0	12,000	11,000
Wilkin	1,400	1,400	11.4	11.4	16,000	16,000
Yellow Medicine	3,500	3,200	11.7	11.9	41,000	38,000
West Central	108,300	106,000	11.7	11.8	1,267,000	1,246,000
Benton	18,300	18,000	11.9	11.9	217,000	215,000
Carver	21,300	21,200	12.2	12.3	260,000	260,000
Kandiyohi	12,900	12,700	12.3	12.4	159,000	157,000
McLeod	20,800	20,500	12.4	12.4	258,000	255,000
Meeker	15,000	14,900	12.3	12.3	184,000	184,000
Morrison	37,800	37,000	12.2	12.3	463,000	454,000
Renville	5,800	5,700	12.1	12.1	70,000	69,000
Scott	12,400	12,300	12.2	12.3	151,000	151,000
Sherburne	4,500	4,300	11.8	11.9	53,000	51,000
Sibley	16,600	16,000	12.1	12.1	201,000	194,000
Stearns	83,300	83,000	12.1	12.2	1,011,000	1,009,000
Todd	38,100	37,200	11.7	11.7	444,000	436,000
Wadena	12,500	11,700	11.8	11.9	148,000	139,000
Wright	27,700	27,500	12.4	12.5	344,000	343,000
Central	327,000	322,000	12.1	12.2	3,963,000	3,917,000

DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY DISTRICTS AND COUNTIES,
MINNESOTA, 1985-86 (CONT'D)

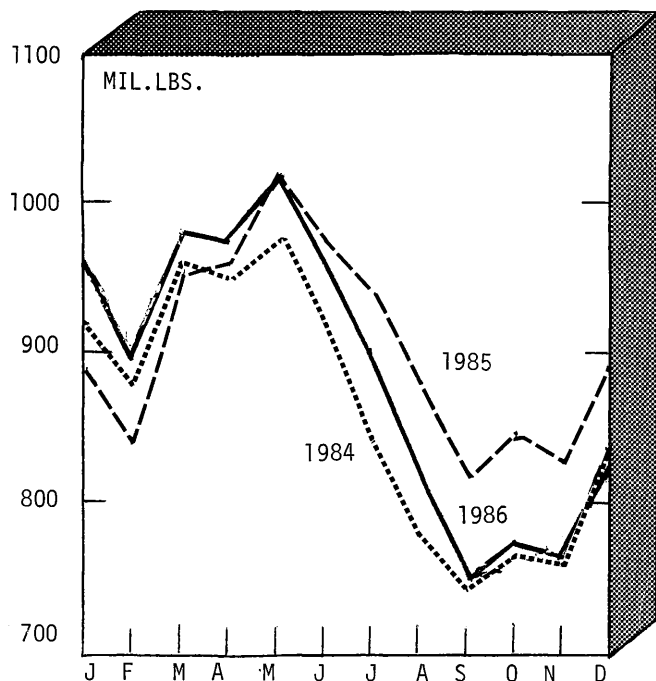
District and County	* Annual Average Milk * Cows on Farms		* Annual Average * Production per Cow		* Total * Production	
	1985	1986	1985	1986	1985	1986
	Number	Number	Thousand Pounds	Thousand Pounds	Thousand Pounds	Thousand Pounds
Aitkin	4,200	3,900	11.7	11.8	49,000	46,000
Anoka	1,500	1,500	12.7	12.7	19,000	19,000
Carlton	6,200	6,200	11.3	11.3	70,000	70,000
Chisago	8,200	8,000	11.1	11.1	91,000	89,000
Crow Wing	4,500	4,400	11.6	11.6	52,000	51,000
Hennepin	8,200	8,100	12.3	12.3	101,000	100,000
Isanti	6,200	6,200	11.3	11.3	70,000	70,000
Kanabec	10,400	10,200	11.2	11.3	116,000	115,000
Mille Lacs	15,000	14,500	11.9	12.0	179,000	174,000
Pine	14,800	14,700	12.2	12.2	181,000	180,000
Ramsey	100	100	10.0	10.0	1,000	1,000
Washington	3,300	3,200	11.8	11.9	39,000	38,000
East Central	82,600	81,000	11.7	11.8	968,000	953,000
Cottonwood	3,700	3,500	10.3	10.6	38,000	37,000
Jackson	2,400	2,400	10.0	10.0	24,000	24,000
Lincoln	5,800	5,300	11.0	11.1	64,000	59,000
Lyon	4,700	4,200	11.1	11.2	52,000	47,000
Murray	7,700	7,400	10.1	10.1	78,000	75,000
Nobles	6,400	6,100	10.6	10.8	68,000	66,000
Pipestone	9,300	8,500	11.3	11.4	105,000	97,000
Redwood	4,800	4,400	10.8	10.9	52,000	48,000
Rock	5,600	5,200	10.0	10.2	56,000	53,000
Southwest	50,400	47,000	10.7	10.8	537,000	506,000
Blue Earth	2,700	2,700	12.2	12.2	33,000	33,000
Brown	11,600	11,200	12.5	12.5	145,000	140,000
Faribault	3,600	3,300	12.5	12.7	45,000	42,000
Freeborn	7,200	6,600	10.8	10.9	78,000	72,000
LeSueur	9,600	8,900	12.5	12.6	120,000	112,000
Martin	3,500	3,300	9.7	10.0	34,000	33,000
Nicollet	9,600	8,800	12.3	12.4	118,000	109,000
Rice	19,900	19,000	11.9	11.9	236,000	226,000
Steele	11,400	11,000	11.3	11.4	129,000	125,000
Waseca	7,200	7,000	11.5	11.6	83,000	81,000
Watsonwan	2,400	2,200	10.8	10.9	26,000	24,000
South Central	88,700	84,000	11.8	11.9	1,047,000	997,000
Dakota	8,200	8,100	12.2	12.2	100,000	99,000
Dodge	12,900	12,500	11.6	11.7	149,000	146,000
Fillmore	26,200	25,600	11.8	11.9	308,000	304,000
Goodhue	35,000	34,500	12.3	12.4	432,000	428,000
Houston	19,700	19,000	11.8	11.9	233,000	226,000
Mower	8,800	8,600	12.7	12.8	112,000	110,000
Olmsted	21,100	20,500	11.9	12.0	252,000	245,000
Wabasha	25,000	24,500	12.6	12.7	316,000	312,000
Winona	33,300	31,700	11.3	11.4	377,000	361,000
Southeast	190,200	185,000	12.0	12.1	2,279,000	2,231,000
Minnesota	915,000	891,000	11.8	11.9	10,840,000	10,614,000



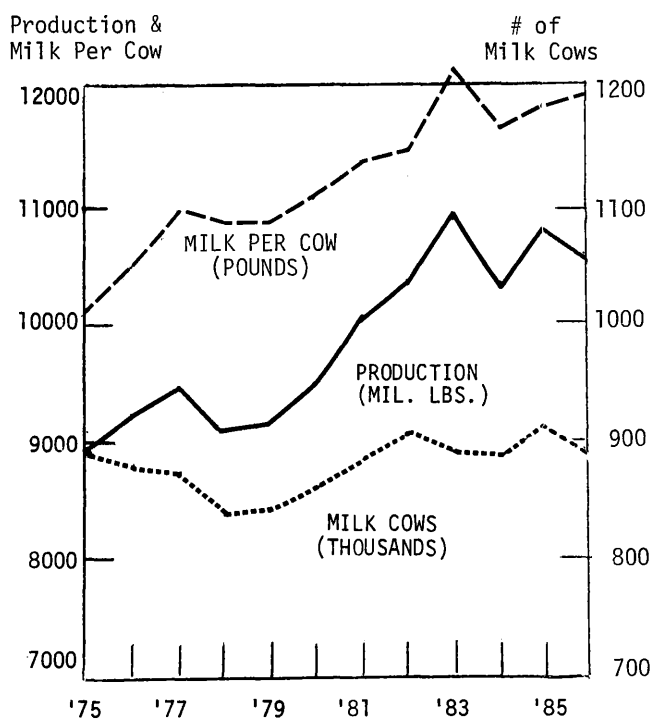
GEOGRAPHIC DISTRIBUTION OF MINNESOTA MILK PRODUCTION



Minnesota's Monthly Milk Production



MINNESOTA DAIRY PRODUCTION



Poultry

Even though growers increased their production 13% over 1985, to a record 34.2 million turkeys, Minnesota still remained second in the nation in turkey production for 1986. North Carolina continued first in numbers raised with 39.1 million. Value of production from turkeys raised in Minnesota in 1986 was \$269.3 million, up 8% from 1985. The average price received for turkeys in 1986 was 45.0 cents per pound liveweight, down 3 cents from the previous year.

During 1986, hatcheries in the West North Central Region (includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota and Minnesota) placed 73.7 million turkey poults.

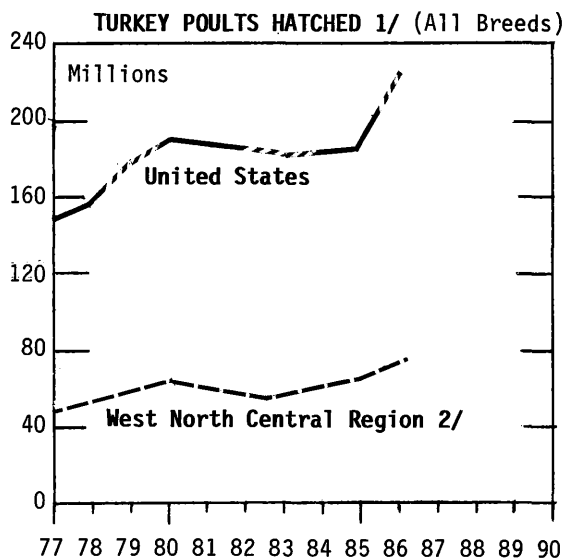
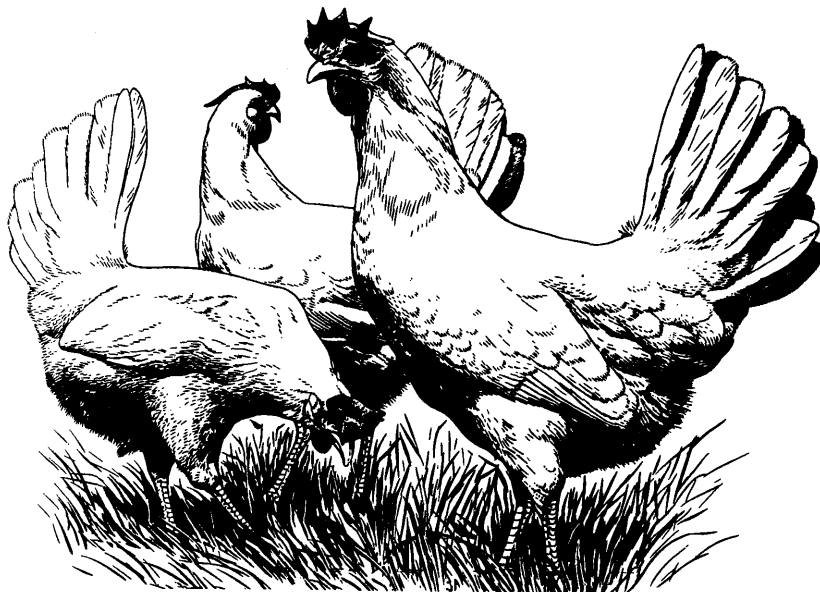
The state's egg production in 1986 was 2.3 billion eggs, an increase of 2% from 1985. The average number of layers on farms increased 1% to 9.4 million. The value of production from eggs increased 10% in 1986 to \$91.7 million as the all egg price rose 8% to 47.6 cents per dozen.

The total chicken inventory (excluding broilers) on December 1, 1986, increased 1% to 12.8 million. Value of sales from all chickens (excluding broilers) were \$2.7 million as price per pound decreased 14% to 9.5 cents.

In 1986, the number of broilers raised increased 10% to 29.7 million, a record production. An 18% rise in value of production was the result of both increased production and higher prices per pound.

Hatchery production of egg-type chicks increased 1% to 14.1 million in 1986.

These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.



1/ Starting in 1983, the number represents total placements not total hatch. Placed number should not be used to measure change from previous years.

2/ Includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Minnesota.

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
1982	13,300	10,500	8,900	2,670	2,432	100,320	17,116
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

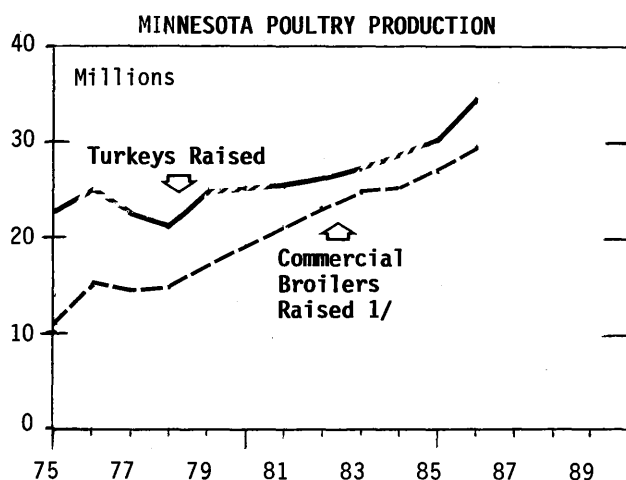
1/ December previous year to November current year.

BROILERS AND TURKEYS PRODUCTION AND VALUE

Year	Commercial Broilers 1/		Turkeys		
	Number Raised	Value of Production	Breeder Hens Dec. 1 2/	Number Raised	Value of Production
	Thousands	1,000 Dollars		Thousands	1,000 Dollars
1982	23,700	26,663	523	26,000	172,887
1983	24,400	30,866	443	27,000	158,263
1984	25,600	39,104	447	28,500	229,818
1985	26,900	38,333	--	30,400	250,338
1986	29,700	45,085	--	34,200	269,325

1/ December previous year to November current year.

2/ Breeder Hen inventories reflect the number producing eggs during the following season. Estimates were discontinued in 1985.



1/ December previous year to November current year.



MINNESOTA MONTHLY POULTRY PRODUCTION

CHICKENS: LAYERS ON FARMS (Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual 1/
1982 2/	--	10.5	--	--	9.9	--	--	9.9	--	--	10.3	--	10.1
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

EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH

1982 3/	--	59.1	--	--	59.8	--	--	60.3	--	--	61.0	--	240
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

EGGS: PRODUCTION ON FARMS 4/ (Million Eggs)

1982 5/	--	618	--	--	592	--	--	597	--	--	625	--	2,432
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

CHICKENS: EGG-TYPE HATCHERY PRODUCTION (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1982	1,060	1,316	1,301	1,812	1,705	1,545	1,729	1,264	1,159	1,302	1,565	1,358	17,116
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

TURKEYS: HATCHERY PLACEMENTS 6/ (Thousands)

1982	3,525	4,749	6,144	7,713	7,197	7,487	7,208	4,289	1,839	2,499	2,879	3,276	58,805
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

1/ Annual data represent December previous year to November current year.

2/ Average number of layers during the quarters: Dec. 1982-Feb. 1983; March-May 1983; June-Aug. 1983; and Sept.-Nov. 1983

3/ Average number laid per layer per quarter.

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

5/ Egg production for the quarter.

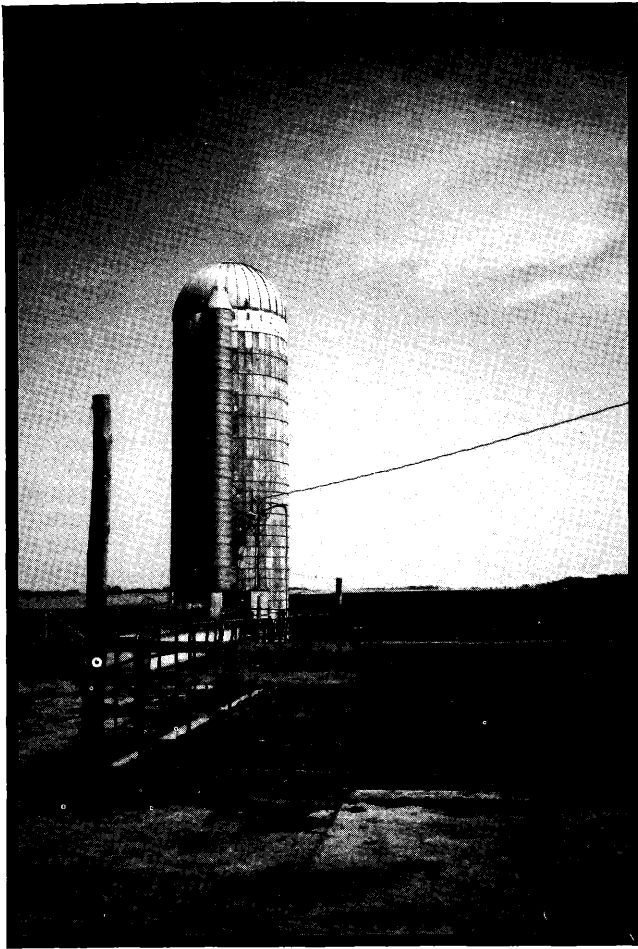
6/ Totals are placements from West North Central Region hatcheries which include Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota. Prior to 1983, data represent total hatch. Starting in 1983, data represent total placements excluding exported poult.

CHICKENS AND EGGS: HENS AND PULLETS OF LAYING AGE, RATE OF LAY, EGG PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86

District and County	* Annual Average Hens & * Pullets of Laying Age		* Annual Average Rate * of Lay		* Total Egg * Production	
	* 1985 1986		* 1985 1986		* 1985 1986	
	*****		*****		*****	
	Number		Number		Thousands	
Becker	31,000	25,000	---	---	7,600	6,200
Clay	678,000	603,000	---	---	166,100	149,500
Clearwater	479,000	493,000	---	---	117,400	122,200
Kittson	2,000	2,000	---	---	500	500
Mahnomen	11,000	11,000	---	---	2,700	2,700
Marshall	5,000	5,000	---	---	1,200	1,200
Norman	15,000	14,000	---	---	3,700	3,500
Pennington	7,000	7,000	---	---	1,700	1,700
Polk	205,000	183,000	---	---	50,200	45,500
Red Lake	76,000	67,000	---	---	18,600	16,600
Roseau	5,000	5,000	---	---	1,200	1,200
Northwest	1,514,000	1,415,000	245	248	370,900	350,800
Beltrami	8,000	7,000	---	---	1,800	1,600
Cass	6,000	5,000	---	---	1,300	1,100
Hubbard	10,000	9,000	---	---	2,200	2,000
Itasca	5,000	5,000	---	---	1,100	1,100
Koochiching	10,000	10,000	---	---	2,200	2,200
Lake of the Woods	2,000	2,000	---	---	400	500
North Central	41,000	38,000	220	224	9,000	8,500
Cook	--	--	---	---	--	--
Lake	1,000	1,000	---	---	200	200
St. Louis	179,000	179,000	---	---	38,900	38,900
Northeast	180,000	180,000	217	217	39,100	39,100
Big Stone	31,000	26,000	---	---	7,600	6,400
Chippewa	105,000	117,000	---	---	25,700	29,000
Douglas	19,000	17,000	---	---	4,700	4,200
Grant	36,000	48,000	---	---	8,900	11,900
Lac Qui Parle	69,000	63,000	---	---	16,900	15,600
Otter Tail	71,000	65,000	---	---	17,400	16,100
Pope	49,000	44,000	---	---	12,000	11,000
Stevens	114,000	112,000	---	---	27,900	27,700
Swift	12,000	11,000	---	---	2,900	2,700
Traverse	15,000	13,000	---	---	3,700	3,200
Wilkin	20,000	20,000	---	---	4,900	4,900
Yellow Medicine	37,000	35,000	---	---	9,100	8,600
West Central	578,000	571,000	245	247	141,700	141,300
Benton	363,000	358,000	---	---	89,300	87,900
Carver	60,000	56,000	---	---	14,800	13,700
Kandiyohi	90,000	113,000	---	---	22,200	27,700
McLeod	55,000	64,000	---	---	13,500	15,700
Meeker	504,000	615,000	---	---	124,000	150,900
Morrison	606,000	723,000	---	---	149,100	177,400
Renville	152,000	149,000	---	---	37,400	36,500
Scott	16,000	18,000	---	---	3,900	4,400
Sherburne	108,000	115,000	---	---	26,700	28,200
Sibley	687,000	746,000	---	---	169,000	183,100
Stearns	670,000	629,000	---	---	164,500	154,400
Todd	62,000	61,000	---	---	15,300	15,000
Wadena	17,000	21,000	---	---	4,200	5,200
Wright	224,000	220,000	---	---	55,100	54,000
Central	3,614,000	3,888,000	246	245	889,000	954,100

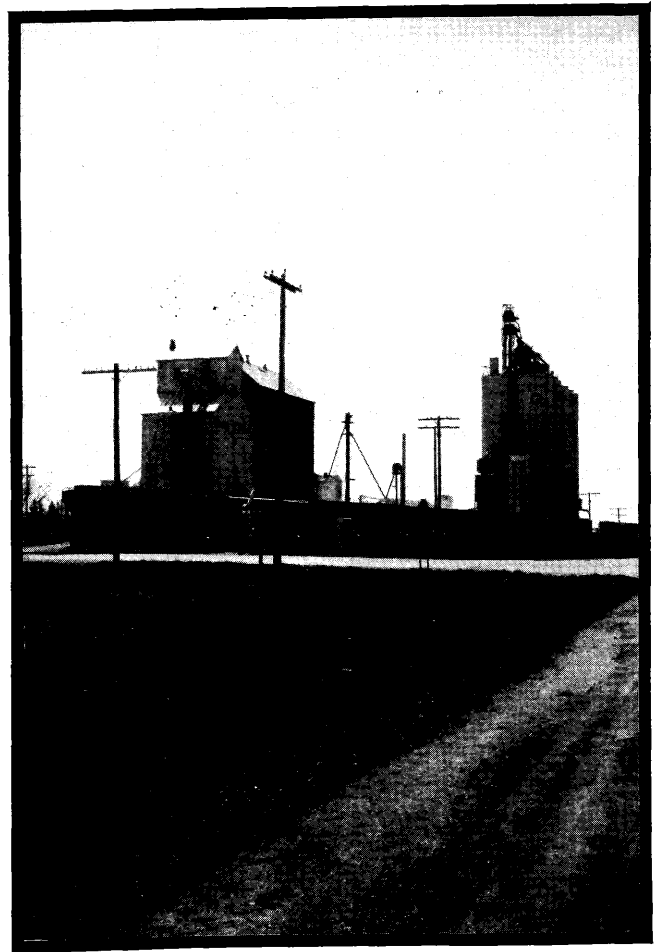
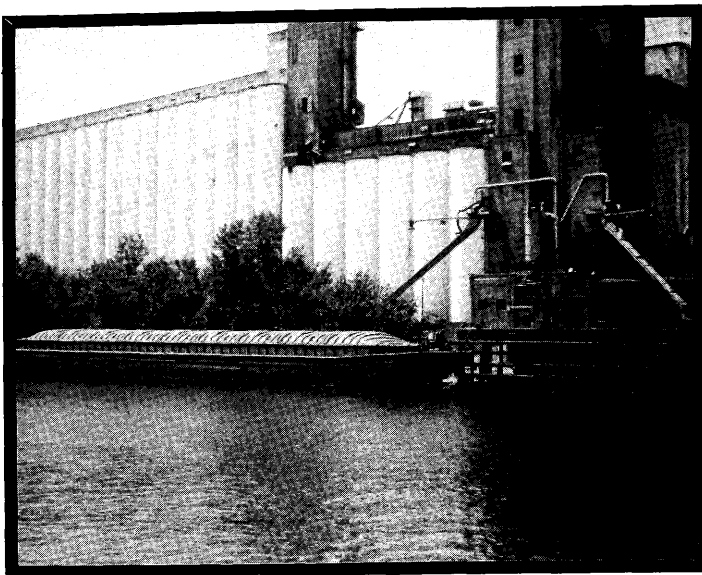
CHICKENS AND EGGS: HENS AND PULLETS OF LAYING AGE, RATE OF LAY, EGG PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1985-86 (CONT'D)

District and County	* Annual Average Hens & * Pullets of Laying Age *		* Annual Average Rate * * of Lay *		Total Egg Production	
	1985	1986	1985	1986	1985	1986
	Number	Number	Number	Number	Thousands	Thousands
Aitkin	16,000	15,000	---	---	3,800	3,600
Anoka	7,000	6,000	---	---	1,700	1,400
Carlton	3,000	3,000	---	---	700	700
Chisago	35,000	29,000	---	---	8,200	6,900
Crow Wing	14,000	12,000	---	---	3,300	2,800
Hennepin	23,000	22,000	---	---	5,400	5,200
Isanti	27,000	23,000	---	---	6,400	5,500
Kanabec	2,000	2,000	---	---	500	500
Mille Lacs	32,000	36,000	---	---	7,600	8,500
Pine	369,000	378,000	---	---	87,100	89,500
Ramsey	1,000	1,000	---	---	200	200
Washington	40,000	35,000	---	---	9,400	8,300
East Central	569,000	562,000	236	237	134,300	133,100
Cottonwood	181,000	169,000	---	---	44,300	42,300
Jackson	122,000	129,000	---	---	29,900	32,300
Lincoln	12,000	12,000	---	---	3,000	3,100
Lyon	90,000	93,000	---	---	22,000	23,300
Murray	80,000	72,000	---	---	19,600	18,000
Nobles	165,000	155,000	---	---	40,400	38,900
Pipestone	25,000	25,000	---	---	6,200	6,300
Redwood	160,000	159,000	---	---	39,200	39,900
Rock	53,000	52,000	---	---	13,000	13,000
Southwest	888,000	866,000	245	251	217,600	217,100
Blue Earth	20,000	20,000	---	---	4,900	5,000
Brown	102,000	97,000	---	---	25,200	24,000
Faribault	65,000	59,000	---	---	16,000	14,500
Freeborn	296,000	288,000	---	---	73,100	71,300
LeSueur	80,000	72,000	---	---	19,800	17,800
Martin	56,000	52,000	---	---	13,900	12,900
Nicollet	146,000	142,000	---	---	36,100	35,200
Rice	170,000	159,000	---	---	42,000	39,400
Steele	134,000	188,000	---	---	33,100	46,600
Waseca	19,000	21,000	---	---	4,700	5,200
Watonswan	80,000	87,000	---	---	19,700	21,500
South Central	1,168,000	1,185,000	247	248	288,500	293,400
Dakota	51,000	47,000	---	---	12,900	12,000
Dodge	116,000	101,000	---	---	29,200	25,900
Fillmore	117,000	126,000	---	---	29,500	32,300
Goodhue	86,000	80,000	---	---	21,700	20,500
Houston	30,000	26,000	---	---	7,600	6,700
Mower	123,000	129,000	---	---	31,000	33,000
Olmsted	24,000	22,000	---	---	6,000	5,700
Wabasha	133,000	130,000	---	---	33,500	33,300
Winona	22,000	20,000	---	---	5,500	5,200
Southeast	702,000	681,000	252	256	176,900	174,600
Minnesota	9,254,000	9,386,000	245	246	2,267,000	2,312,000



SECTION 4

FARM PRICES



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 in November 1986 declined to a low of 81% of the 1977 base, the lowest level since February of 1973. Most crop prices continued a downward trend which started in mid-1984. Corn prices for October were the lowest since April 1973; the all wheat price for July was the lowest since August 1977; the August oat price of 82 cents was the lowest since July 1973; the all barley price of \$1.10 for August was the lowest since December 1972; December flax prices were the lowest since December 1972; the soybean price of \$4.39 for October was the lowest since March 1976; and sunflower prices for August at \$5.92 per cwt. were the lowest ever. In contrast, dry bean prices went from \$11.90 cwt. in June to \$32.70 in November, the highest ever.

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.	Season Average Price 2/
1982	2.24	2.22	2.26	2.38	2.38	2.42	2.33	2.09	2.00	1.87	1.99	2.07	2.63
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	3.05
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	2.45
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	2.25
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	1.35

SOYBEANS 3/ (Dollars per Bushel)

1982	5.79	5.67	5.73	5.99	6.12	5.98	5.80	5.45	5.13	5.13	5.12	5.18	5.81
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	7.64
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	5.43
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	4.96
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	4.55

SUNFLOWERS 3/ (Dollars per Cwt.)

1982	10.90	11.50	11.20	11.90	11.90	11.70	9.50	9.90	10.20	8.60	8.70	8.30	9.38
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	5/	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	5/	11.90	9.90	9.40	8.24
1986	8.63	8.27	7.72	7.28	6.70	7.64	6.92	5.92	9.40	7.23	6.65	6.08	6.73

ALL WHEAT 4/ (Dollars per Bushel)

1982	3.75	3.72	3.70	3.76	3.75	3.67	3.65	3.49	3.46	3.47	3.55	3.42	3.75
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	3.82
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	3.41
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	3.25
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	2.49

OATS 4/ (Dollars per Bushel)

1982	1.97	1.97	1.94	1.98	1.89	1.86	1.61	1.25	1.23	1.20	1.30	1.41	1.36
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	1.30

1/ Marketing year, October through September. 2/ 1986 is preliminary. 3/ Marketing year, September through August. 4/ Marketing year, July through June.

NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Season average for 1986 and monthly prices do not include this allowance.

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.	Season Average Price 2/
1982	2.30	2.34	2.40	2.34	2.30	2.26	2.13	1.86	1.63	1.74	1.73	1.71	2.04
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	2.34
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	2.06
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	1.84
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	1.40

ALL HAY, BALED 3/
(Dollars Per Ton)

1982	72.00	82.00	75.00	72.00	75.00	65.00	56.00	61.00	57.00	62.00	70.00	74.00	67.50
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	57.00	46.00	46.00	43.00	42.00	54.00	54.00	54.00

ALFALFA HAY, BALED 3/
(Dollars Per Ton)

1982	76.00	85.00	80.00	74.00	80.00	70.00	58.00	64.00	60.00	66.00	77.00	80.00	4/
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	70.00	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	59.00	48.00	50.00	45.00	43.00	56.00	55.00	4/

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

1982	57.00	70.00	58.00	62.00	51.00	45.00	48.00	47.00	44.00	45.00	53.00	55.00	4/
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	46.00	39.00	32.00	35.00	38.00	44.00	45.00	4/

FLAXSEED 1/
(Dollars Per Bushel)

1982	6.85	7.06	6.89	6.81	6.74	6.88	6.46	5.30	5.14	5.26	4.92	4.76	5.20
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	3.35

POTATOES
(Dollars Per Cwt.)

1982	4.50	4.10	4.50	4.40	3.70	3.50	4.75	5.20	3.60	3.45	3.60	4.00	3.95
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	2.75	3.05	3.00	3.45	2.95
1986	3.20	3.10	2.85	2.55	3.10	5/	6.75	6.75	3.85	3.90	4.30	4.55	4.35

1/ Marketing year, July through June. 2/ 1986 is preliminary. 3/ Marketing year, June through May.
4/ Not available. 5/ Volume of sales too small to make a price estimate.

NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Season average for 1986 and monthly prices do not include this allowance.

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 1986 annual average price for hogs increased 14% from 1985. Prices for sheep were 10% higher, beef cattle decreased 1%, but calves were 5% higher. Wool prices were up 2%. The 1986 annual average price for lambs increased fractionally. Table market eggs were 10% higher.

The 1986 annual average price for all milk was 20 cents lower than a year earlier. Manufacturing grade milk was down 30 cents and grade A milk was down 17 cents.

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
1982	43.60	47.40	49.10	52.40	54.80	54.40	50.50	50.70	48.10	46.80	43.10	43.20	48.60
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

STEERS AND HEIFERS (Dollars Per Cwt.)

1982	51.80	55.10	57.10	59.10	61.20	60.50	57.30	57.80	54.60	53.30	50.20	50.40	55.90
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

COWS 2/ (Dollars Per Cwt.)

1982	35.80	37.70	39.80	40.90	42.70	42.60	41.00	40.10	39.60	38.30	35.00	34.50	38.70
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

CALVES (Dollars Per Cwt.)

1982	54.60	54.40	61.00	61.90	64.60	71.60	66.90	67.00	64.40	58.60	53.60	52.90	60.30
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

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.)

HOGS 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1982	43.10	48.20	49.10	51.60	57.40	57.90	58.80	62.00	61.80	56.00	52.60	53.40	52.60
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

SHEEP
(Dollars Per Cwt.)

1982	17.50	16.90	17.10	16.60	14.20	15.10	17.10	16.40	13.40	12.90	12.60	13.80	15.10
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

LAMBS
(Dollars Per Cwt.)

1982	51.00	54.70	60.50	63.10	66.60	59.00	57.50	53.50	52.40	49.50	48.30	50.00	54.70
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

WOOL
(Cents Per Pound)

1982	56	55	53	50	43	41	41	42	39	50	38	41	48
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

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



MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR MILK COWS AND MILK

MILK COWS 1/
(Dollars Per Head)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1982	1,120	--	--	1,090	--	--	1,090	--	--	1,050	--	--	1,090
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

ALL MILK
(Dollars Per Cwt.)

1982	13.20	13.07	12.99	12.96	12.83	12.75	12.70	12.70	12.98	13.22	13.26	13.23	12.98
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

FLUID MARKET MILK
(Dollars Per Cwt.)

1982	13.44	13.30	13.21	13.18	13.04	12.96	12.89	12.90	13.16	13.40	13.45	13.44	13.20
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

MANUFACTURING GRADE MILK
(Dollars Per Cwt.)

1982	12.79	12.69	12.62	12.60	12.51	12.42	12.39	12.37	12.66	12.91	12.92	12.87	12.63
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

1/ Milk cows sold for dairy herd replacement only.



MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR POULTRY

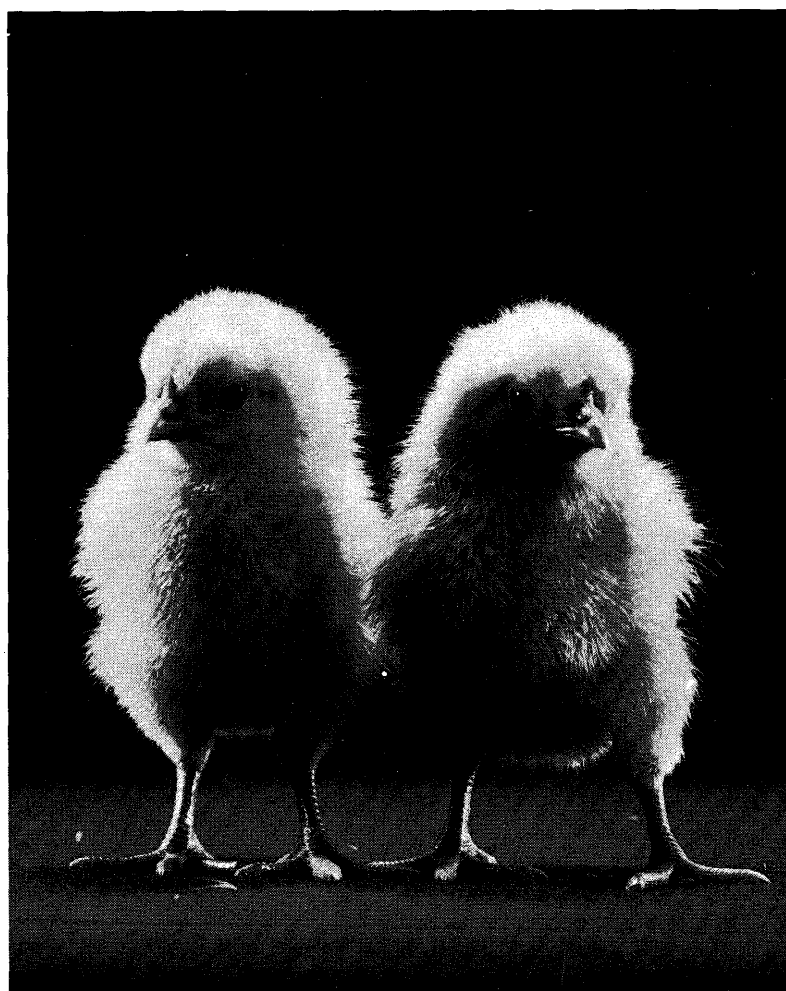
TURKEYS
(Cents Per Pound - Liveweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1982	33.0	34.0	34.0	35.0	36.0	38.0	40.0	40.0	41.0	42.0	42.0	30.0	39.0
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

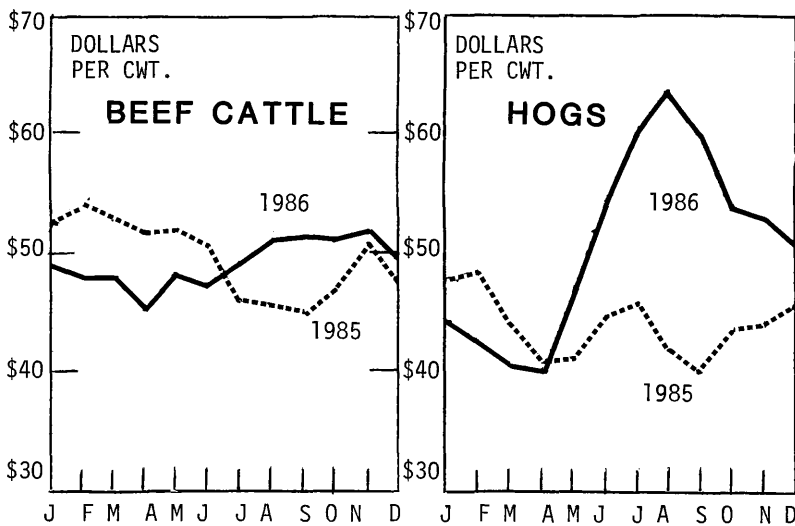
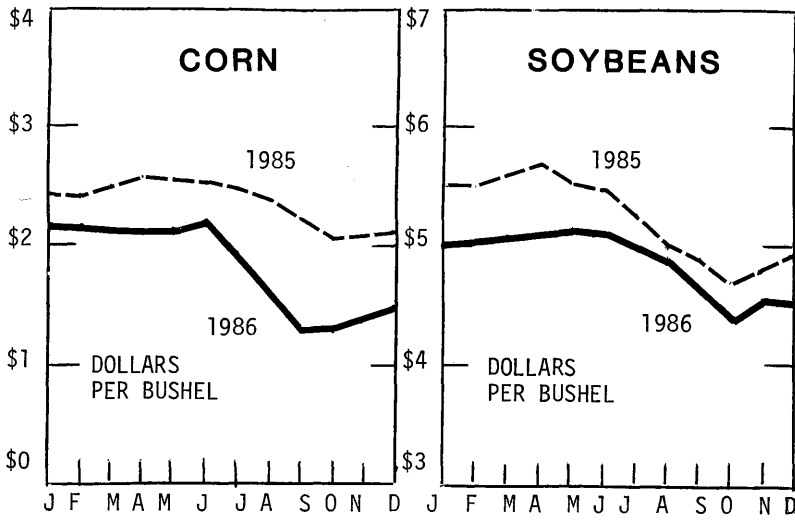
TABLE MARKET EGGS 1/
(Cents Per Dozen)

1982	50.5	53.5	54.7	51.4	43.3	42.3	43.6	38.9	44.7	46.3	48.7	40.6	47.5
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

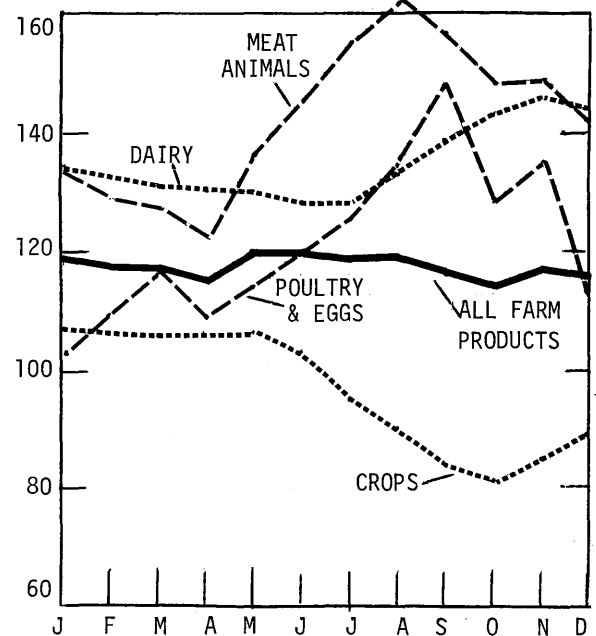
1/ Table market eggs include eggs sold retail by the producer but exclude hatching eggs. The annual average price is the marketing year average - December previous year through November current year.



MINNESOTA PRICES RECEIVED



PRICES RECEIVED: MONTHLY INDEXES FOR 1986 (1977=100)



Prices Paid

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES

BRAN (Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price 1/
1982	8.90	8.80	8.50	8.60	8.70	8.70	8.70	8.70	8.70	8.50	8.40	8.40	8.63
1983	8.60	8.60	8.60	8.60	8.70	8.70	8.70	8.80	8.90	8.60	8.90	9.30	8.75
1984	9.20	9.60	9.40	9.20	9.20	9.40	8.90	9.00	8.90	8.80	8.50	8.60	9.06
1985	8.40	8.40	8.30	8.20	8.00	8.30	8.30	7.90	8.00	7.80	8.00	8.00	8.13
1986 2/	8.40	8.10											

MIDDLINGS (Dollars Per Cwt.)

1982	8.70	8.40	8.50	8.90	9.10	8.80	8.80	8.80	8.50	8.40	8.10	8.40	8.62
1983	8.40	8.40	8.20	8.60	8.50	8.90	8.70	8.50	8.80	8.60	8.90	8.90	8.62
1984	9.10	9.20	9.00	8.90	8.60	9.00	8.20	8.70	8.30	8.40	8.20	8.00	8.63
1985	8.00	7.60	7.70	7.70	7.50	7.40	7.90	7.90	8.10	7.50	6.50	7.20	7.58
1986 2/	7.80	6.80											

SOYBEAN MEAL, 44% (Dollars Per Cwt.)

1982	12.50	12.10	11.80	11.90	12.00	12.10	12.00	11.50	11.00	11.00	11.00	11.50	11.70
1983	11.50	11.30	11.50	12.00	12.50	12.00	12.00	14.00	15.00	14.00	14.50	14.00	12.86
1984	13.50	12.50	12.50	12.50	13.00	12.00	11.50	11.20	10.80	10.30	10.50	10.00	11.69
1985	9.80	9.70	9.30	9.40	8.60	8.50	8.90	9.00	9.40	9.50	9.70	10.00	9.32
1986 2/	10.50	10.50											

BEEF CATTLE CONCENTRATE, 32%-36% (Dollars Per Cwt.)

1982	12.00	12.00	11.50	12.00	12.00	12.50	12.00	12.00	11.50	12.00	11.50	11.50	11.88
1983	12.00	12.00	12.00	12.00	12.50	12.00	12.50	13.00	13.50	13.00	13.50	13.50	12.63
1984	13.50	13.00	13.00	12.50	13.00	13.00	11.50	12.00	12.00	11.00	11.50	11.00	12.25
1985	11.00	11.00	10.50	10.50	10.50	9.90	10.50	10.50	10.00	10.50	11.00	11.00	10.58
1986 2/	11.50	11.00											

HOG CONCENTRATE, 38%-42% (Dollars Per Cwt.)

1982	14.90	14.90	14.70	14.90	15.00	15.00	15.00	14.10	14.10	13.80	14.10	14.40	14.58
1983	14.60	14.80	14.70	15.30	15.30	14.90	14.70	16.50	17.10	16.30	17.00	16.60	15.65
1984	16.40	15.40	15.60	15.40	15.40	14.80	14.10	14.00	13.70	13.50	13.40	13.20	14.58
1985	13.10	12.90	12.40	12.20	12.20	11.10	11.80	11.50	12.50	13.00	13.10	13.20	12.42
1986 2/	13.10	13.30											

1/ Annual average prices are straight rather than weighted averages.

2/ State publication of estimates discontinued in March 1986.

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES (CONT'D)

DAIRY FEED, 16%
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price 1/
1982	163	161	164	168	170	165	164	163	155	153	158	160	162
1983	157	161	161	169	171	175	168	181	182	186	193	188	174
1984	192	192	183	205	185	182	177	175	171	165	165	164	180
1985	165	154	151	154	155	153	159	146	144	150	146	146	152
1986 2/	156	149											

DAIRY FEED, 32%
(Dollars Per Ton)

1982	265	255	250	270	270	270	255	255	265	250	255	260	260
1983	260	255	255	265	270	270	270	285	305	300	310	295	278
1984	295	275	280	280	280	265	275	260	260	245	255	240	268
1985	240	245	230	235	220	220	220	215	225	240	235	245	233
1986 2/	245	260											

LAYING FEED
(Dollars Per Ton)

1982	194	194	200	200	205	205	200	200	188	185	190	200	197
1983	200	200	196	210	210	215	205	210	220	220	225	220	211
1984	220	220	225	215	225	220	210	205	205	189	191	185	209
1985	187	186	185	184	181	171	176	174	174	175	182	181	180
1986 2/	181	180											

CHICK STARTER
(Dollars Per Ton)

1982	225	225	220	225	230	230	225	220	215	210	210	230	222
1983	220	225	225	240	245	245	240	255	265	255	255	255	244
1984	250	245	250	255	260	255	235	245	235	225	225	220	242
1985	225	220	215	220	220	225	225	220	220	220	225	220	222
1986 2/	225	225											

BROILER GROWER
(Dollars Per Ton)

1982	205	205	205	205	215	205	210	197	182	191	195	205	202
1983	189	198	210	230	215	220	215	235	240	245	250	240	224
1984	225	225	250	235	235	210	220	215	205	196	195	186	216
1985	195	191	187	191	189	195	199	197	200	205	220	215	199
1986 2/	220	220											

1/ Annual average prices are straight rather than weighted averages.

2/ State publication of estimates discontinued in March 1986.

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES (CONT'D)

CORN MEAL
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price 1/
1982	5.30	4.80	5.00	5.30	5.30	5.60	5.70	5.10	5.10	4.85	4.90	4.90	5.15
1983	5.10	5.30	5.40	6.30	6.20	6.20	6.30	6.90	6.80	6.90	6.60	6.50	6.21
1984	6.50	6.50	6.70	6.60	7.30	7.00	6.90	6.90	6.60	6.60	6.30	6.00	6.66
1985	5.70	5.80	5.90	6.30	5.90	5.90	6.30	6.00	6.00	5.70	6.10	6.00	5.97
1986 2/	5.60	5.40											

GASOLINE (SERVICE STATION), UNLEADED REGULAR
(Dollars Per Gallon)

1982	1.36	1.36	1.31	1.25	1.27	1.36	1.38	1.37	1.36	1.35	1.35	1.32	1.34
1983	1.27	1.21	1.18	1.25	1.32	1.33	1.33	1.34	1.33	1.31	1.31	1.29	1.29
1984	1.27	1.29	1.28	1.28	1.28	1.28	1.27	1.27	1.26	1.25	1.26	1.23	1.27
1985	1.19	1.17	1.19	1.25	1.27	1.31	1.32	1.33	1.32	1.28	1.29	1.29	1.27
1986 2/	1.23	1.14											

LEADED REGULAR GASOLINE, BULK DELIVERY
(Dollars Per Gallon)

1982	1.29	1.30	1.25	1.19	1.21	1.30	1.31	1.30	1.31	1.30	1.29	1.26	1.28
1983	1.21	1.16	1.12	1.20	1.26	1.29	1.25	1.27	1.25	1.26	1.22	1.22	1.23
1984	1.21	1.21	1.17	1.21	1.20	1.19	1.20	1.18	1.18	1.18	1.14	1.14	1.18
1985	1.14	1.11	1.11	1.20	1.19	1.23	1.24	1.24	1.23	1.18	1.22	1.23	1.19
1986 2/	1.18	1.06											

DIESEL FUEL
(Dollars Per Gallon)

1982	1.15	1.16	1.10	1.04	1.07	1.15	1.15	1.13	1.12	1.14	1.16	1.13	1.13
1983	1.08	1.01	.95	.94	.97	.98	.98	1.00	1.02	1.01	1.02	1.01	1.00
1984	1.01	1.03	1.02	1.03	1.02	1.02	1.01	1.00	.99	.99	1.00	1.00	1.01
1985	.97	.94	.93	.96	.97	.99	.95	.93	.94	.98	1.03	1.05	.97
1986 2/	1.01	.87											

LP GAS
(Dollars Per Gallon)

1982	.72	.71	.68	.67	.66	.67	.67	.67	.74	.76	.81	.80	.71
1983	.78	.78	.77	.77	.80	.80	.81	.81	.80	.80	.79	.78	.79
1984	.79	.80	.79	.80	.76	.76	.74	.72	.73	.76	.74	.74	.76
1985	.74	.70	.71	.71	.71	.72	.72	.71	.65	.69	.69	.74	.71
1986 2/	.78	.73											

1/ Annual average prices are straight rather than weighted averages.

2/ State publication of estimates discontinued in March 1986.

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