minnesota agricultural statistics 1982

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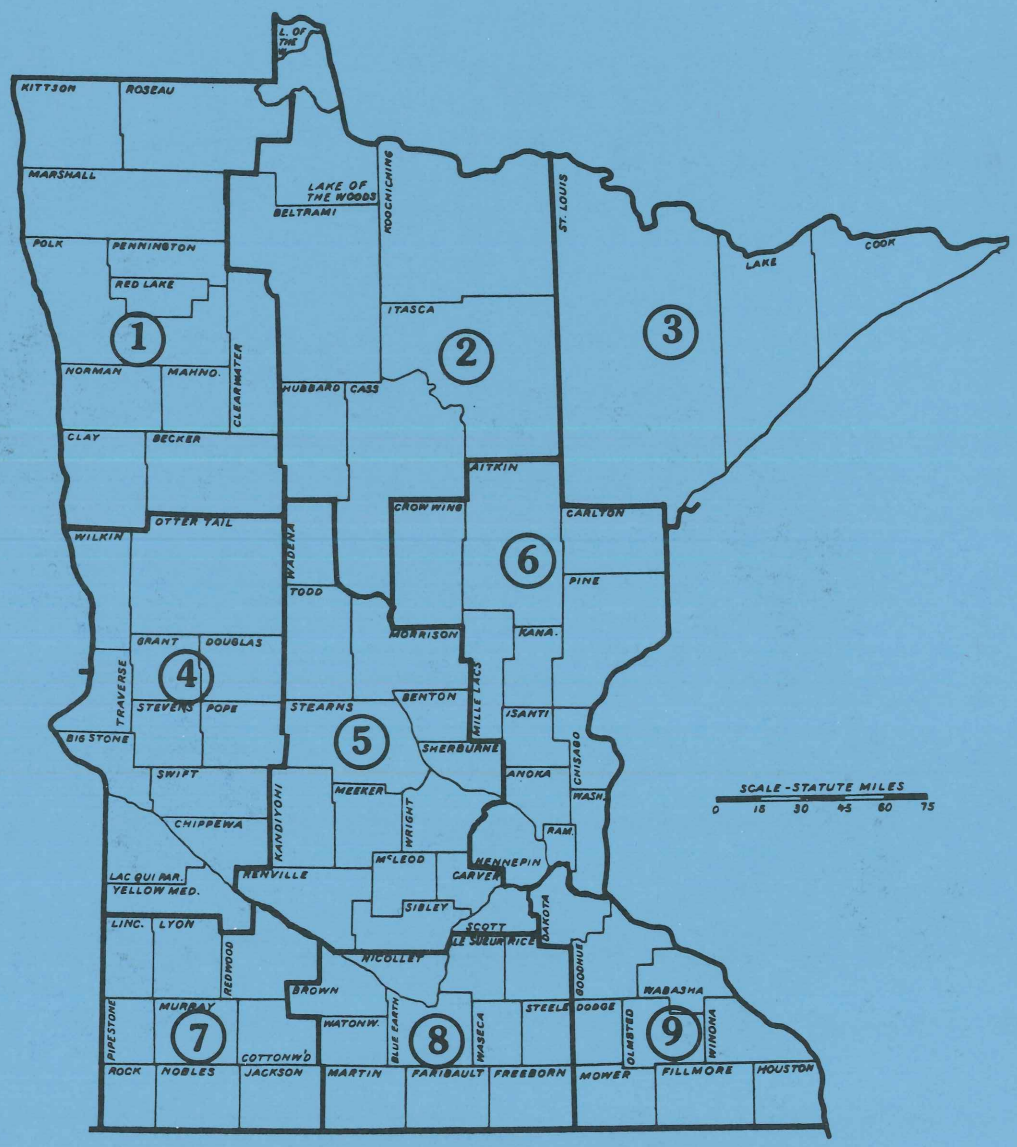
Minnesota's Crop Reporting Districts



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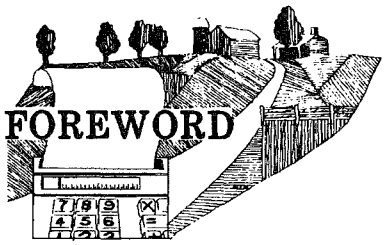

AGRICULTURE IS MINNESOTA'S BIGGEST AND MOST IMPORTANT INDUSTRY, WITH A COMPANION IMPACT UPON OUR STATE ECONOMY.

More than 662,000 Minnesotans, about one third of this state's wage earners, are employed in the complex of supply, service, marketing, processing and distribution industries based upon our farm production of food and fiber.

Last year was a contrast in extremes for Minnesota agriculture. Notwithstanding the most destructive spring hailstorms in a century, 1981 was a record year for crops production. However, by year's end farm commodity prices fell to extremely low levels.

This annual report documents the production achievements, weather and market price experiences of Minnesota agriculture in 1981 and for the previous four years for comparisons. It is valuable equally to the farmer, to the business, industrial, financial and educational communities as a reference tool for understanding and decision making. This historic document is made possible by the voluntary cooperation of farmers and the agri-business community statewide, and by the expertise of the professionals in the federal/state Agricultural Statistics Division of our Minnesota Department of Agriculture.

This bulletin provides a wide variety of information on Minnesota agriculture through a number of ways -- tables, charts, graphs, maps and other means. Coordinating this work is an immense and ongoing task. This responsibility rests with George Howse, Assistant Statistician in Charge, and Linda Wright, Editor. Other major contributions were made by Sy Phillippi, Eileen Thurman, Agnes Moser, Livestock; Cec Foss, and Chris Waldera, Crops ; and Andrea Hughes, typesetting/composition.

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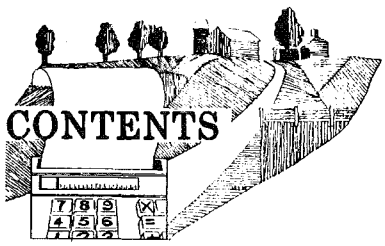
Commissioner

Carroll Rock
Agricultural Statistician in Charge



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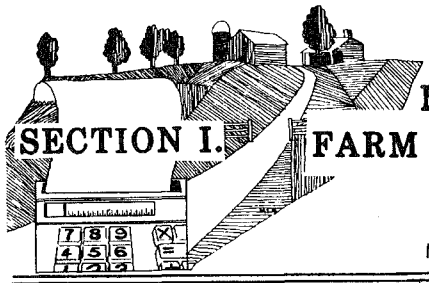


SECTION I. MINNESOTA'S RANK, NUMBER OF FARMS, FARM INCOME, EXPORTS, CLIMATIC SUMMARY

Rankings

MINNESOTA'S RANK AMONG STATES

Item	1	2	3	4	5	6	7	8	9	10
Number of Farms, Jan 1, 1982	Tex	Mo	Iowa	Ill	MINN	Ky	Tenn	Ohio	Wis	NC
Cash Farm Income, 1980:										
Total	Cal	Iowa	Tex	Ill	MINN	Neb	Kan	Wis	Ind	Mo
Crops	Cal	Ill	Iowa	Tex	MINN	Fla	Ind	Kan	Neb	Ohio
Livestock and Livestock Products	Iowa	Tex	Cal	Wis	Neb	Kan	MINN	Ill	Col	Mo
Crop Production, 1981:										
Corn for Grain	Iowa	Ill	Neb	MINN	Ind	Wis	Ohio	Mich	Mo	SDak
Soybeans	Ill	Iowa	Mo	Ind	MINN	Ohio	Ark	Neb	Miss	La
All Wheat	NDak	Kan	Tex	Mont	Okla	Wash	MINN	Mo	Cal	Neb
Other Spring Wheat	NDak	MINN	Mont	SDak	Ida	Wash	Ore	Col	Utah	Wis
Oats	MINN	SDak	Iowa	Wis	NDak	Mich	Pa	Tex	NY	Ohio
Barley	NDak	Ida	MINN	Mont	Wash	Cal	SDak	Col	Oreg	Utah
All Sunflowers	NDak	MINN	SDak	Tex						
All Hay	Wis	Iowa	MINN	Cal	Neb	Tex	Mo	Kan	SDak	NY
All Potatoes	Ida	Wash	Main	Oreg	Cal	NDak	Wis	MINN	Col	NY
Sugarbeets	Cal	MINN	Ida	NDak	Mich	Neb	Col	Wyo	Mont	Tex
Flaxseed	NDak	SDak	MINN							
Rye	SDak	MINN	Ga	NDak	Neb	SC	Okla	Mich	Tex	Wis
Red Clover Seed	Oreg	MINN	Mich	Wash	Ida	Ill	Ind	Ohio	Pa	Wis
Timothy Seed	MINN	Ohio	Ill	Mo						
Sweet Corn for Processing	Wis	MINN	Oreg	Wash	Ill	Ida	NY	Md	Iowa	Pa
Green Peas for Processing	Wis	Wash	MINN	Oreg	NY	Del	Md			
Dry Edible Beans	Mich	NDak	Ida	Cal	Neb	Col	Wash	MINN	Wyo	NY
Livestock, Dairy and Poultry:										
Red Meat Production, 1981	Iowa	Neb	Tex	Kan	Ill	MINN	Cal	Mich	Ohio	Wis
Cattle & Calves, 1/1/82	Tex	Neb	Iowa	Kan	Okla	Mo	Cal	Wis	SDak	MINN
Milk Cows, 1/1/82	Wis	Cal	NY	MINN	Pa	Mich	Iowa	Ohio	Tex	Mo
Cattle & Calves on Feed, January 1, 1982	Tex	Neb	Iowa	Kan	Col	Cal	Ill	MINN	SDak	Ariz
Cattle & Calves Marketed, 1981 (Head) 1/	Tex	Kan	Iowa	Neb	Okla	Col	Mo	SDak	Cal	Wis
Hogs, December 1, 1981 2/	Iowa	Ill	MINN	Ind	Neb	Mo	Ohio	NC	Kan	SDak
Pig Crop, 1981	Iowa	Ill	MINN	Mo	Neb	Ind	NC	Ohio	Kan	Wis
Hogs Marketed, 1981 (Head)	Iowa	Ill	MINN	Ind	Mo	Neb	NC	Kan	Ga	Ohio
Stock Sheep & Lambs, Jan 1, 1982 3/	Tex	Cal	Wyo	SDak	Utah	Mont	NMex	Col	Ida	Oreg
Lamb Crop, 1981 3/	Tex	Cal	SDak	Wyo	Ida	Utah	Col	Mont	NMex	Oreg
Chickens, December 1, 1981 1/	Cal	Ga	Ark	Ind	Pa	Ala	NC	Tex	Fla	Ohio
Eggs, Produced, Dec 1980-Nov 1981 1/	Cal	Ga	Pa	Ind	Ark	Tex	Ala	NC	Fla	Ohio
Turkeys Raised during 1981	NC	MINN	Cal	Ark	Mo	Va	Tex	Iowa	Ind	Wis
Milk Production, 1981	Wis	Cal	NY	MINN	Pa	Mich	Ohio	Iowa	Tex	Wash
Dairy Products Manufactured during 1980:										
Total Cheese	Wis	MINN	NY	Iowa	Cal	Ida	Pa	Mo	Ill	Ohio
American Cheese	Wis	MINN	Iowa	Ida	NY	SDak	Mo	Utah	NDak	Cal
Italian Cheese	Wis	NY	Cal	Neb	MINN	Pa	Vt	NJ	Ill	Ky
Butter	Wis	Cal	MINN	Pa	NY	Wash	Mich	Mo	Ohio	Iowa
Nonfat Dry Milk	Cal	MINN	Wis	Iowa	Mich	NY	Pa	SDak	Ohio	NDak
Ice Cream	Cal	Pa	NY	Ohio	Mass	Tex	Ill	Mich	Fla	MINN
Honey Produced, 1981	Fla	NDak	Tex	Mont	SDak	Cal	MINN	NC	Ga	Tenn
Mink, 1980	Wis	Utah	MINN	Wash	Ill	Ida	Pa	Oreg	Ohio	Mich
Fertilizer Consumption (year ending 6/30/81)	Ill	Cal	Iowa	Tex	Ind	MINN	Ohio	Ga	Fla	Neb
AG Exports Fiscal, 1981	Iowa	Ill	Cal	Tex	MINN	Kan	Neb	Ind	Ohio	Mo

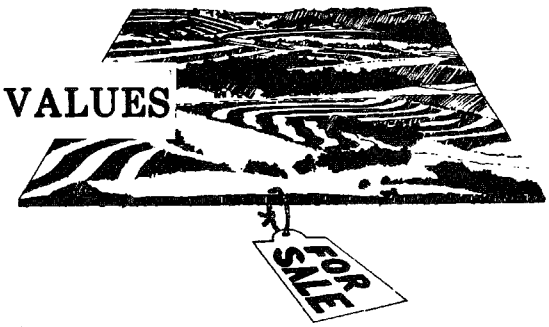
1/ Minnesota ranks 11th.
2/ Ind and Neb tied for 4th place.
3/ Minnesota ranks 13th.

MINNESOTA'S LEADING AGRICULTURAL COUNTIES 1/

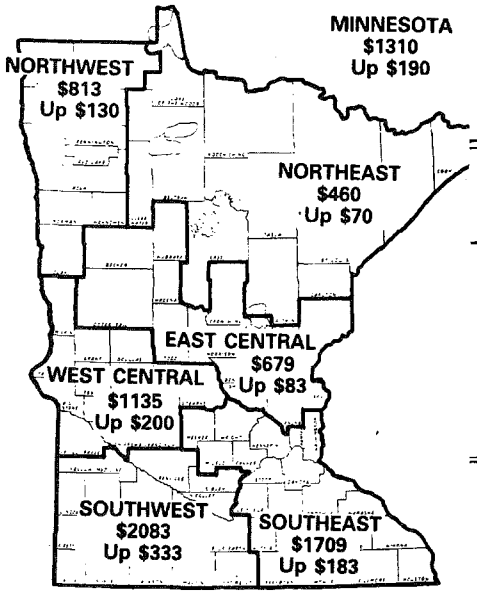
Item	1	2	3	4	5	6	7	8	9	10
CASH FARM INCOME, 1980:										
Total.....	Polk	Stearns	Renville	Martin	Redwood	Otter Tail	Nobles	Jackson	Marshall	Freeborn
Crops.....	Polk	Marshall	Renville	Clay	Redwood	Martin	Norman	Bl.Earth	Freeborn	Faribault
Livestock.....	Stearns	Otter Tail	Fillmore	Nobles	Rock	Kandiyohi	Martin	Lyon	Goodhue	Jackson
Gov't Payments.	Marshall	Kittson	Roseau	Renville	Norman	Lyon	Pennington	Swift	Kandiyohi	Nobles
1981 CROP PRODUCTION:										
Corn for Grain.	Jackson	Freeborn	Martin	Mower	Fillmore	Faribault	Redwood	Nobles	Renville	Olmsted
Soybeans.....	Martin	Jackson	Renville	Redwood	Cottonwd.	Nobles	Faribault	Murray	Lyon	Mower
All Wheat.....	Polk	Marshall	Kittson	Norman	Clay	Roseau	Wilkin	Renville	Pennington	Grant
Oats.....	Otter Tail	Stearns	Todd	Douglas	Roseau	Pope	Marshall	Fillmore	Kandiyohi	Morrison
Barley.....	Polk	Norman	Marshall	Clay	Wilkin	Becker	Mahnomen	Pennington	Kittson	Otter Tail
All Potatoes...	Polk	Marshall	Sherburne	Clay	Freeborn	Kittson	Norman	Hennepin	Anoka	Lake of Wds.
Sugarbeets.....	Polk	Clay	Norman	Renville	Wilkin	Marshall	Chippewa	Kittson	Grant	Traverse
Sunflowers.....	Polk	Norman	Marshall	Pennington	Clay	Wilkin	Becker.	Roseau	Kittson	Traverse

1/ County estimates for livestock, dairy, and poultry discontinued due to state budget restrictions.

LAND VALUES



ESTIMATED 1981 AVERAGE LAND VALUES PER ACRE AND CHANGE FROM 1980*
(excludes Hennepin & Ramsey counties)



*Based on reported estimates of average value of farmland first 6 months of 1981.

MINNESOTA DISTRICT FARMLAND VALUES 1/

Year	South east	South west	West Central	East Central	North west	North east	Minne-sota
			Dollars Per Acre				
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

1/ From MINNESOTA AGRICULTURAL ECONOMIST, published March 1982, Agricultural Extension Service, University of Minnesota, St. Paul, Minnesota 55108, "The Minnesota Rural Real Estate Market in 1981" by M.G. Smith and Philip Raup. Values are based on reporters' estimates of average value per acre of various grades of farmland in their area.

FARM NUMBERS

Minnesota Farm Numbers
Land in Farms, and Average Farm Size[1/]

Year	Number of Farms	Land in Farms	Average Size of Farms
	Number	Thousand Acres	Acres
1977	104,000	30,100	289
1978	104,000	30,000	288
1979	104,000	30,000	288
1980	104,000	30,000	288
1981	105,000	30,600	291
1982[2/]	105,000	30,600	291

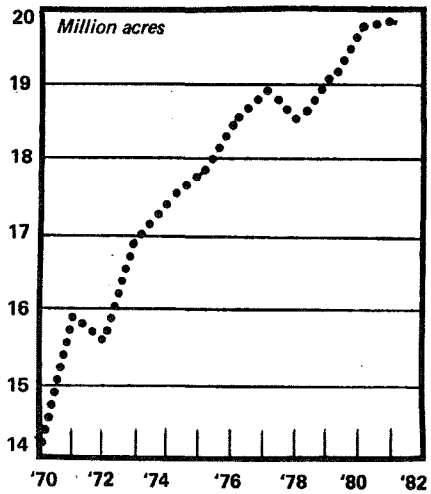
1/ Farms are defined as places which had annual sales of agricultural products of $1,000 or more.
2/ Preliminary

The number of Minnesota farms for 1982 is expected to stay at 105,000, the same as 1981. As farmers expanded plantings and production of major crops the state's total land in farms spanned 30.6 million acres in 1981 and is forecast at the same level for 1982. This brings the average size of the Minnesota farm to 291 acres for both years versus 288 in 1980.

The number of farms in the United States in 1981 is estimated at 2.44 million, up 0.3% from the 2.43 million in 1980. West Coast states accounted for most of the increase, continuing the trend started in 1975. The preliminary 1982 estimate is 2.44 million.

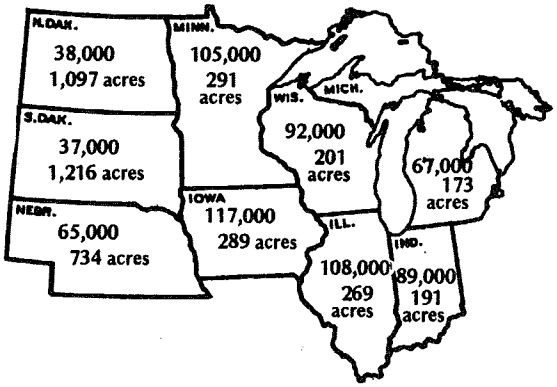
Total land in farms was 1.045 million acres for 1981, an increase of 0.2% from a year earlier. The preliminary estimate for 1982 is 1,046 million acres.

PLANTED ACRES,
10 MAJOR MINNESOTA CASH CROPS *



*Corn, soybeans, all wheat, oats, barley, rye, sunflowers, flax, sugarbeets, dry beans.

Estimated Number of
Farms in 1982



MINNESOTA LIVESTOCK FARM NUMBERS[1/]

Year	Number of operations with --			
	Cattle	Milk Cows	Hogs	Sheep
1977	70,000	29,000	33,000	7,500
1978	66,000	28,000	31,000	8,000
1979	63,000	27,000	33,000	8,000
1980	62,000	27,000	35,000	8,000
1981	62,000	26,000	30,000	8,000

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

MINNESOTA FARM NUMBERS, AVERAGE FARM SIZE, AND TOTAL LAND IN FARMS, 1981 1/

District and County	Number of Farms	Aver. Farm Size	Total Land in Farms
	Number	Acres	Acres
NW Dist. (1)			
Becker	1,465	319	467,900
Clay	1,220	533	650,300
Clearwater	785	324	254,500
Kittson	720	798	574,200
Mahnomen	480	526	252,500
Marshall	1,670	570	951,900
Norman	960	595	570,800
Pennington	740	484	357,800
Polk	2,055	581	1,193,300
Red Lake	530	485	257,300
Roseau	1,410	488	688,300
Total	12,035	517	6,218,800
NC Dist. (2)			
Beltrami	820	339	277,700
Cass	710	320	227,300
Hubbard	525	289	151,800
Itasca	580	254	147,100
Koochiching	320	366	117,000
Lake of Woods	300	466	139,900
Total	3,255	326	1,060,800
NE Dist. (3)			
Cook	35	77	2,700
Lake	80	136	10,900
St. Louis	1,095	202	221,700
Total	1,210	194	235,300
WC Dist. (4)			
Big Stone	590	502	296,100
Chippewa	1,080	339	366,000
Douglas	1,380	233	322,200
Grant	690	480	331,400
LacQuiParle	1,170	379	442,900
Otter Tail	3,445	290	998,200
Pope	1,080	321	347,000
Stevens	745	463	345,200
Swift	1,090	396	431,200
Traverse	570	619	352,700
Wilkin	660	700	461,700
Yellow Med.	1,320	355	468,100
Total	13,820	374	5,162,700
Cent. Dist. (5)			
Benton	1,175	190	223,400
Carver	1,265	159	200,700
Kandiyohi	1,685	274	460,900
McLeod	1,700	182	309,400
Meeker	1,510	241	364,000
Morrison	2,240	230	515,300
Renville	1,920	325	624,000
Scott	1,185	151	178,700
Sherburne	765	209	159,600
Sibley	1,610	230	370,000
Stearns	3,660	213	779,800
Todd	2,300	224	515,900
Wadena	820	269	220,200
Wright	2,275	153	347,700
Total	24,110	219	5,269,600
EC Dist. (6)			
Aitkin	795	274	217,800
Anoka	790	144	113,700
Carlton	770	224	172,300
Chisago	1,200	154	184,300
Crow Wing	670	250	167,600
Hennepin	1,160	106	123,300
Isanti	1,030	164	168,600
Kanabec	875	245	214,800
Mille Lacs	1,100	184	202,500
Pine	1,400	244	342,400
Ramsey	145	47	6,800
Washington	940	160	150,300
Total	10,875	190	2,064,400
SW Dist. (7)			
Cottonwood	1,240	323	400,300
Jackson	1,405	315	442,600
Lincoln	975	325	317,600
Lyon	1,275	342	436,100
Murray	1,290	320	412,800
Nobles	1,565	285	447,300
Pipestone	895	308	275,600
Redwood	1,765	314	554,200
Rock	1,080	276	297,800
Total	11,490	312	3,584,300
SC Dist. (8)			
Blue Earth	1,610	273	439,200
Brown	1,485	239	355,600
Faribault	1,435	302	433,200
Freeborn	1,655	258	426,400
LeSueur	1,175	210	246,400
Martin	1,495	298	445,300
Nicollet	1,030	257	264,300
Rice	1,450	188	271,900
Steele	1,165	230	268,000
Waseca	965	262	252,500
Watonwan	935	277	258,700
Total	14,400	254	3,661,500
SE Dist. (9)			
Dakota	1,265	212	267,800
Dodge	1,040	266	276,200
Fillmore	2,070	262	542,600
Goodhue	2,115	213	449,500
Houston	1,275	258	329,400
Mower	1,755	256	448,600
Olmsted	1,735	220	382,200
Wabasha	1,195	249	297,800
Winona	1,355	257	348,500
Total	13,805	242	3,342,600
STATE TOTAL	105,000	291	30,600,000

Minnesota Farm Income

The following farm income estimates show gross farm income, farm production expenses, and net returns to farm operators for their farm work (including unpaid family) and for the capital invested in their farms and equipment.

Realized gross farm income includes cash receipts from farm marketings, government payments to farmers, value of farm products consumed in the home, value of housing provided by farm dwellings, and other farm income from recreation, machine hire, and custom work. Subtracting farm production expenses from realized gross income gives the realized net farm income. The total net income includes adjustments for increases or decreases in crop or livestock inventories.

TOTAL MINNESOTA FARM INCOME

Year	Realized Gross Farm Income					Farm Production Expenses	Realized Net Farm Income	Net Change In Farm Inventories	Total Net Farm Income
	Cash Receipts From Farm Marketings	Government Payments	Non-Money Income 1/	Other Farm Income 2/	Total				
	Million Dollars					Million Dollars			
1977	4,241.5	82.8	432.0	50.5	4,820.5	3,880.2	940.3	501.2	1,441.5
1978	4,933.9	164.3	491.4	55.3	5,644.9	4,293.1	1,351.9	68.8	1,420.6
1979	5,547.3	68.4	580.7	69.0	6,265.4	5,076.8	1,188.6	248.7	1,437.3
1980	6,292.3	69.6	687.0	71.8	7,120.7	5,918.8	1,201.9	-45.4	1,156.5
1981 3/	6,768.9	--	--	--	--	--	--	--	--

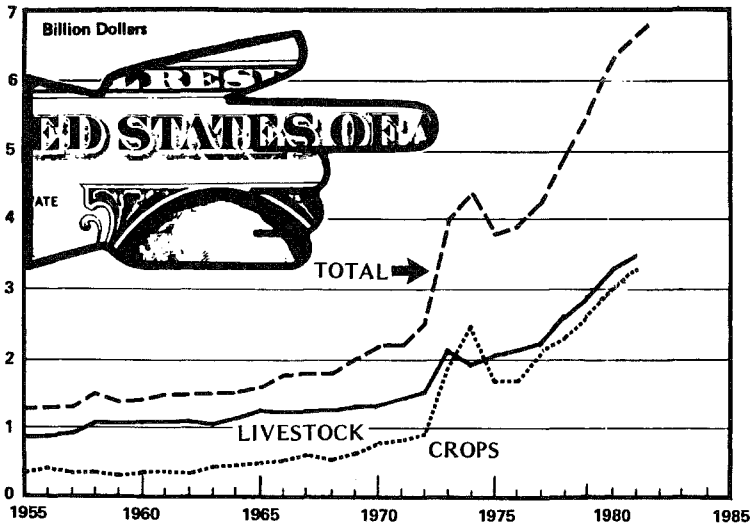
1/ Includes value of home consumption and housing.
2/ Includes income from custom work, machine hire, and recreation.
3/ Detailed data not available at time of publication.

MINNESOTA AVERAGE INCOME PER FARM 1/

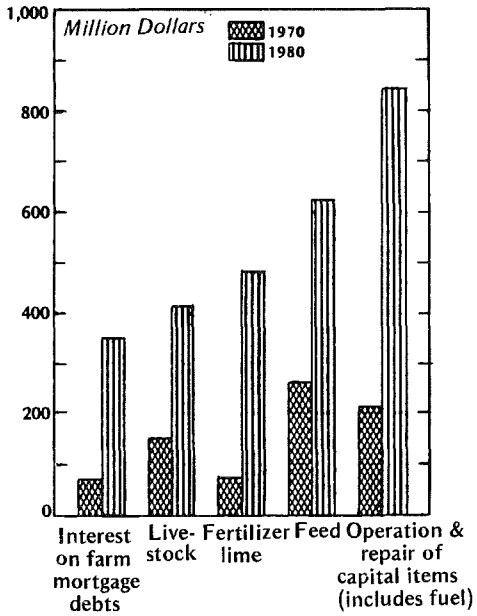
Year	Number of Farms	Cash Receipts From Farm Marketings	Realized Gross Income	Farm Production Expenses	Realized Net Income	Total Net Income
	Thousands	Dollars				
1977	104	40,784	46,351	37,310	9,041	13,861
1978	104	47,441	54,278	41,280	12,998	13,660
1979	104	53,339	60,244	48,815	11,429	13,820
1980	104	60,503	68,468	56,912	11,557	11,120
1981 2/	105	64,466	--	--	--	--

1/ Average per farm having sales of $1,000 or more.
2/ Detailed data not available at time of publication.

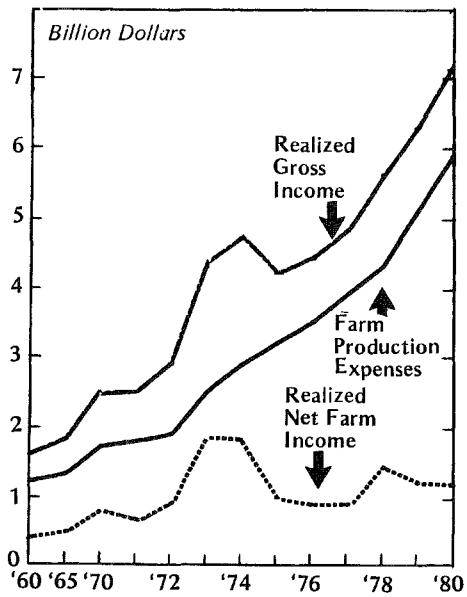
Minnesota Cash Farm Receipts Continue Up ...



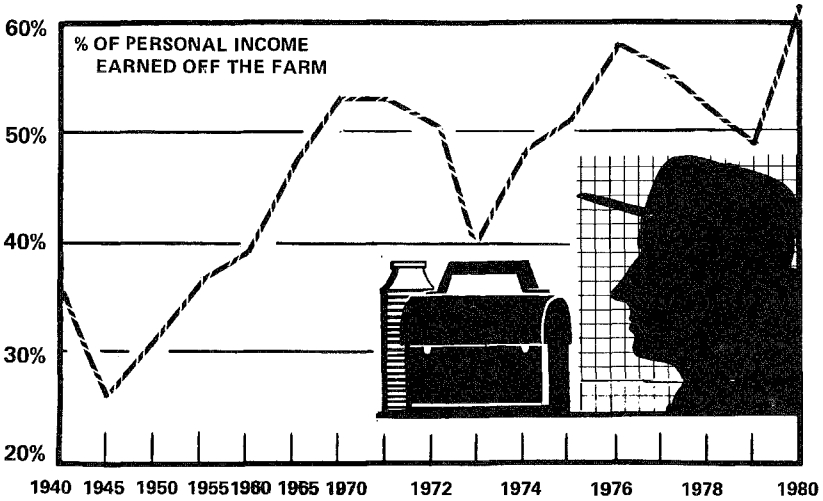
...But Farm Expenses Also Kept Climbing ...



...Causing A Drop In Minnesota Farmers' Net Income



U.S. Farmers Now Earn More Than Half Their Income Away From Their Farms



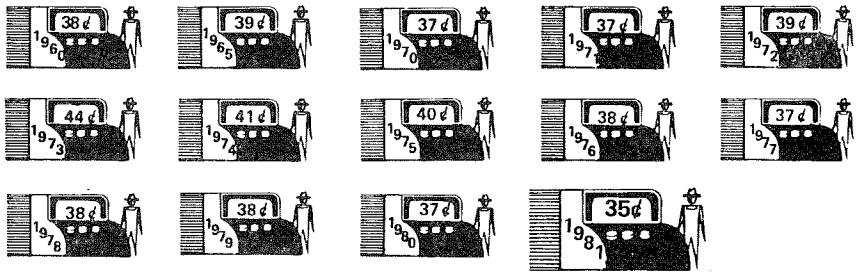
(Includes all income received by farm residents from nonfarm sources such as wages and salaries from nonfarm employment, nonfarm business and professional income, rents from nonfarm real estate, dividends, interest, royalties, unemployment compensation, and Social Security payments.)

FARMER'S SHARE OF FOOD DOLLAR LOWEST SINCE DEPRESSION

Getting food from the farm to the consumer is progressively costing far more than it cost to produce food in the first place.

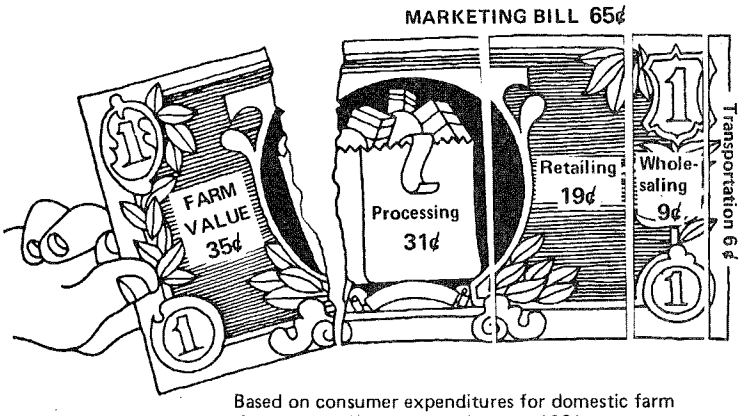
In 1981, the farmer's share of the food dollar dropped to 35¢. This share was the lowest since the Depression years of 1931-34.

Farmers' Share of the Food Dollar, United States



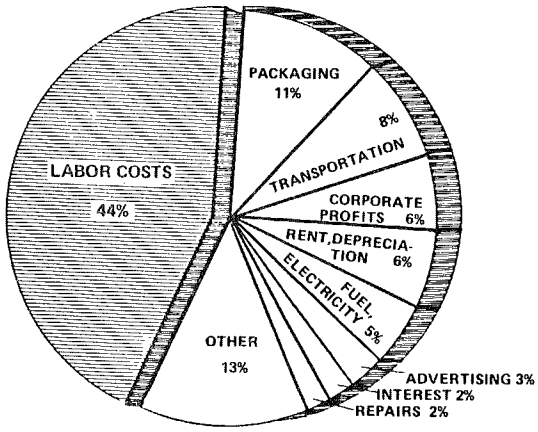
The other 65¢ is the "marketing bill". Processing took 31¢ and transportation claimed 6¢ --- neither of these increased from 1980 to 1981. Wholesaling and retailing, however, each took 1¢ more than 1980, with 19¢ of each dollar going to retailers and 9¢ going to wholesalers.

THE FOOD DOLLAR ... PROCESSING & DISTRIBUTION COSTS EXCEED FARM VALUE



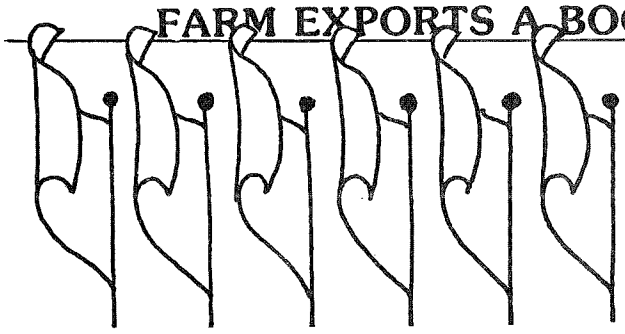
Based on consumer expenditures for domestic farm foods from U.S. retail food stores, 1981.

LABOR TAKES THE "LION'S SHARE" OF FOOD MARKETING COSTS*



*Transportation is intercity rail and truck. Corporate profits are before taxes. "Other" includes business taxes, promotion, hired local transportation, insurance, etc. 1981 preliminary.

FARM EXPORTS A BOON TO STATE'S ECONOMY

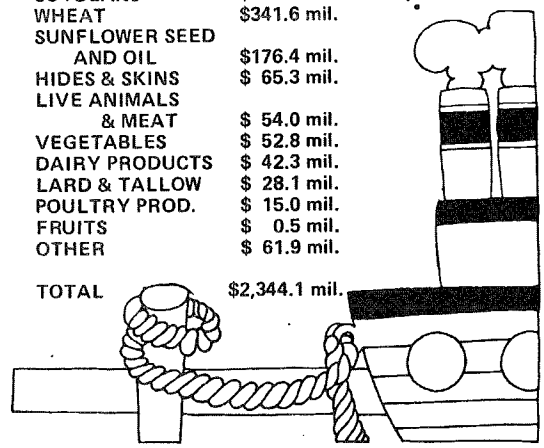


Based on Minnesota's farm output, the state's ag exports rang up a total of over $2 billion in fiscal year 1981.

Shown at the right is the value of these exports by commodity group. These export 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 total.

1981 Minn. Ag Exports Worth Over $2 Bil.

FEEDGRAINS	$833.6 mil.
SOYBEANS	$672.6 mil.
WHEAT	$341.6 mil.
SUNFLOWER SEED AND OIL	$176.4 mil.
HIDES & SKINS	$ 65.3 mil.
LIVE ANIMALS & MEAT	$ 54.0 mil.
VEGETABLES	$ 52.8 mil.
DAIRY PRODUCTS	$ 42.3 mil.
LARD & TALLOW	$ 28.1 mil.
POULTRY PROD.	$ 15.0 mil.
FRUITS	$ 0.5 mil.
OTHER	$ 61.9 mil.
TOTAL	$2,344.1 mil.



MINNESOTA CASH INCOME RECEIVED BY FARMERS, BY COUNTY

District and County	1979				1980			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousand Dollars				Thousand Dollars			
Northwest Dist. (1)								
Becker	21,767	37,735	816	60,318	25,031	40,879	310	66,220
Clay	86,386	20,559	1,587	108,532	99,652	22,972	1,215	123,839
Clearwater	5,020	11,703	194	16,917	5,773	12,694	314	18,781
Kittson	60,976	4,751	1,767	67,494	70,402	5,373	5,813	81,588
Mahnomen	12,203	8,459	477	21,139	14,087	9,609	436	24,132
Marshall	106,006	10,168	2,424	118,598	122,398	11,451	9,604	143,453
Norman	70,063	17,020	1,860	88,943	80,886	19,339	1,681	101,906
Pennington	25,503	10,306	676	36,485	29,446	11,261	1,595	42,302
Polk	163,250	21,691	2,996	187,937	188,470	24,400	1,048	213,918
Red Lake	18,408	6,718	955	26,081	21,255	7,471	1,108	29,834
Roseau	40,077	17,249	944	58,270	46,272	18,827	4,905	70,004
Total	609,659	166,359	14,696	790,714	703,672	184,276	28,029	915,977
North Cent. Dist. (2)								
Beltrami	4,408	7,496	155	12,059	5,050	8,525	357	13,932
Cass	2,085	9,325	84	11,494	2,387	10,534	161	13,082
Hubbard	2,123	5,991	191	8,305	2,424	6,606	167	9,197
Itasca	1,757	3,674	47	5,478	1,963	4,159	69	6,191
Koochiching	1,024	2,472	29	3,525	1,166	2,745	49	3,960
Lake of the Woods	5,007	2,035	149	7,191	5,780	2,315	182	8,277
Total	16,404	30,993	655	48,052	18,770	34,884	985	54,639
Northeast Dist. (3)								
Cook	---	---	---	---	---	---	---	---
Lake	116	199	7	322	130	202	18	350
St. Louis	2,822	8,024	75	10,921	3,104	8,820	43	11,967
Total	2,938	8,223	82	11,243	3,234	9,022	61	12,317
West Cent. Dist. (4)								
Big Stone	20,590	19,580	756	40,926	23,780	21,908	698	46,386
Chippewa	44,289	27,851	1,462	73,602	50,953	31,124	694	82,771
Douglas	12,750	38,633	635	52,018	14,693	43,681	528	58,902
Grant	23,152	17,674	683	41,509	26,730	19,982	441	47,153
Lac Qui Parle	47,188	33,397	1,726	82,311	54,481	37,486	1,061	93,028
Otter Tail	35,198	100,881	1,497	137,576	40,569	112,357	536	153,462
Pope	23,356	35,942	924	60,222	26,894	40,623	632	68,149
Stevens	32,615	49,931	781	83,327	37,660	56,488	581	94,729
Swift	49,758	48,559	1,941	100,258	57,390	52,352	1,380	111,122
Traverse	23,003	14,870	642	38,515	26,560	16,743	378	43,681
Wilkin	40,172	11,031	973	52,176	46,373	12,293	836	59,502
Yellow Medicine	53,887	42,527	1,756	98,170	62,210	47,716	1,080	111,006
Total	405,958	440,876	13,776	860,610	468,293	492,753	8,845	969,891
Central Dist. (5)								
Benton	5,381	31,573	419	37,373	6,196	35,113	166	41,475
Carver	11,057	44,559	213	55,829	12,618	50,580	211	63,409
Kandiyohi	40,241	78,132	1,913	120,286	46,176	83,887	1,369	131,432
McLeod	30,978	50,421	422	81,821	35,190	56,808	401	92,399
Meeker	30,445	55,458	745	86,648	34,834	60,578	476	95,888
Morrison	7,989	55,015	403	63,407	9,209	61,386	166	70,761
Renville	105,553	56,026	1,613	163,192	120,511	62,685	1,699	184,895
Scott	13,660	28,772	212	42,644	15,663	32,612	193	48,468
Sherburne	12,690	13,053	349	26,092	14,505	14,377	188	29,070
Sibley	46,441	58,489	594	105,524	52,946	65,259	683	118,888
Stearns	22,201	152,638	1,044	175,883	25,475	169,630	751	195,856
Todd	11,963	55,347	405	67,715	13,813	62,464	214	76,491
Wadena	4,003	20,022	211	24,236	4,585	21,902	153	26,640
Wright	17,748	53,808	319	71,875	20,446	60,743	208	81,397
Total	360,350	753,313	8,862	1,122,525	412,167	838,024	6,878	1,257,069

MINNESOTA CASH INCOME RECEIVED BY FARMERS, BY COUNTY (CONTINUED)

District and County	1979				1980			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousand Dollars				Thousand Dollars			
East Cent. Dist. (6)								
Aitkin	2,621	12,704	74	15,399	2,998	13,789	65	16,852
Anoka	8,701	9,837	130	18,668	9,314	10,735	135	20,184
Carlton	1,632	8,332	95	10,059	1,830	9,476	135	11,441
Chisago	7,479	17,909	473	25,861	8,526	20,151	258	28,935
Crow Wing	1,996	8,178	81	10,255	2,278	9,108	89	11,475
Hennepin	16,519	18,911	109	35,539	18,170	21,318	100	39,588
Isanti	9,262	13,825	413	23,500	10,679	15,403	368	26,450
Kanabec	2,626	16,182	95	18,903	3,025	18,409	77	21,511
Mille Lacs	3,810	24,200	129	28,139	4,393	27,517	52	31,962
Pine	4,056	26,488	250	30,794	4,512	29,905	167	34,584
Ramsey	3,745	210	---	3,955	3,932	225	---	4,157
Washington	15,826	17,564	232	33,622	17,850	19,851	141	37,842
Total	78,273	174,340	2,081	254,694	87,507	195,887	1,587	284,981
Southwest Dist. (7)								
Cottonwood	52,386	54,528	1,133	108,047	60,416	61,278	854	122,548
Jackson	60,908	68,796	894	130,598	70,324	77,284	666	148,274
Lincoln	19,347	38,232	750	58,329	22,325	43,207	601	66,133
Lyon	37,557	73,923	1,658	113,138	43,348	83,113	1,635	128,096
Murray	42,436	69,176	1,383	112,995	48,992	78,249	958	128,199
Nobles	46,055	86,600	1,174	133,829	53,201	97,382	1,336	151,919
Pipestone	17,606	44,788	775	63,169	20,326	50,706	734	71,766
Redwood	76,010	67,662	1,772	145,444	87,361	76,311	968	164,640
Rock	26,473	82,254	827	109,554	30,567	93,132	738	124,437
Total	378,778	585,959	10,366	975,103	436,860	660,662	8,490	1,106,012
South Cent.Dist. (8)								
Blue Earth	68,467	42,380	1,474	112,321	78,789	47,274	1,272	127,335
Brown	42,097	59,212	891	102,200	48,212	66,211	662	115,085
Faribault	66,240	52,352	1,214	119,806	75,460	58,450	960	134,870
Freeborn	66,272	56,459	1,553	124,284	76,071	62,574	1,034	139,679
LeSueur	32,103	35,769	749	68,621	36,699	40,029	927	77,655
Martin	72,094	74,148	1,534	147,776	82,790	83,255	1,259	167,304
Nicollet	36,851	38,388	975	76,214	42,289	42,988	960	86,237
Rice	26,084	49,014	352	75,450	30,010	54,863	503	85,376
Steele	31,473	40,063	833	72,369	35,994	44,632	847	81,473
Waseca	42,034	25,770	960	68,764	48,223	28,860	832	77,915
Watonwan	41,608	32,657	624	74,889	47,882	36,463	493	84,838
Total	525,323	506,212	11,159	1,042,694	602,419	565,599	9,749	1,177,767
Southeast Dist. (9)								
Dakota	32,547	34,415	790	67,752	36,625	38,975	522	76,122
Dodge	31,882	38,902	1,229	72,013	35,749	43,589	818	80,156
Fillmore	28,023	92,104	689	120,816	32,304	103,283	601	136,188
Goodhue	27,524	71,184	714	99,422	31,152	80,483	743	112,378
Houston	6,203	55,992	361	62,556	7,333	63,332	276	70,941
Mower	47,056	56,064	1,194	104,314	54,008	62,680	718	117,406
Olmsted	23,325	56,755	768	80,848	26,308	63,593	599	90,500
Wabasha	14,659	46,249	621	61,529	16,518	52,332	433	69,283
Winona	13,274	66,498	393	80,165	15,439	74,527	259	90,225
Total	224,493	518,163	6,759	749,415	255,436	582,794	4,969	843,199
STATE TOTAL	2,602,176	3,184,438	68,436	5,855,050	2,988,358	3,563,901	69,593	6,621,852

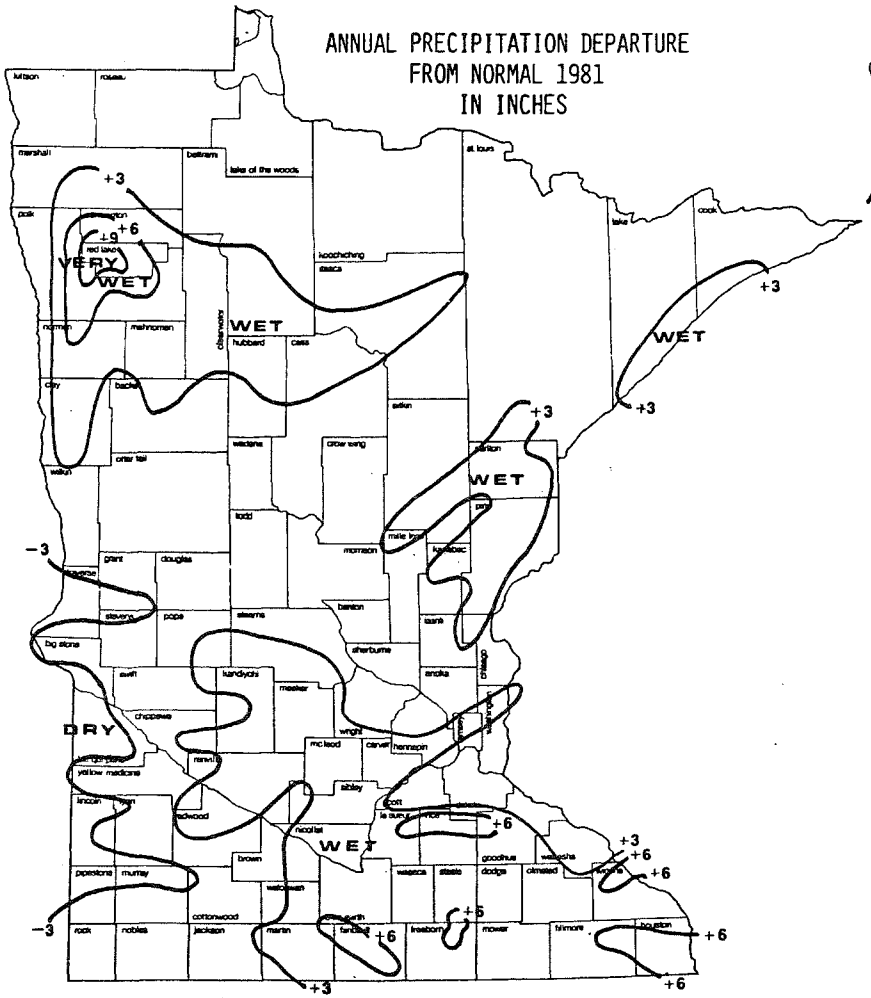
1/ Includes estimates of inter-farm and intra-state sales of livestock, resulting in larger total cash receipts than shown in USDA estimates on previous pages.

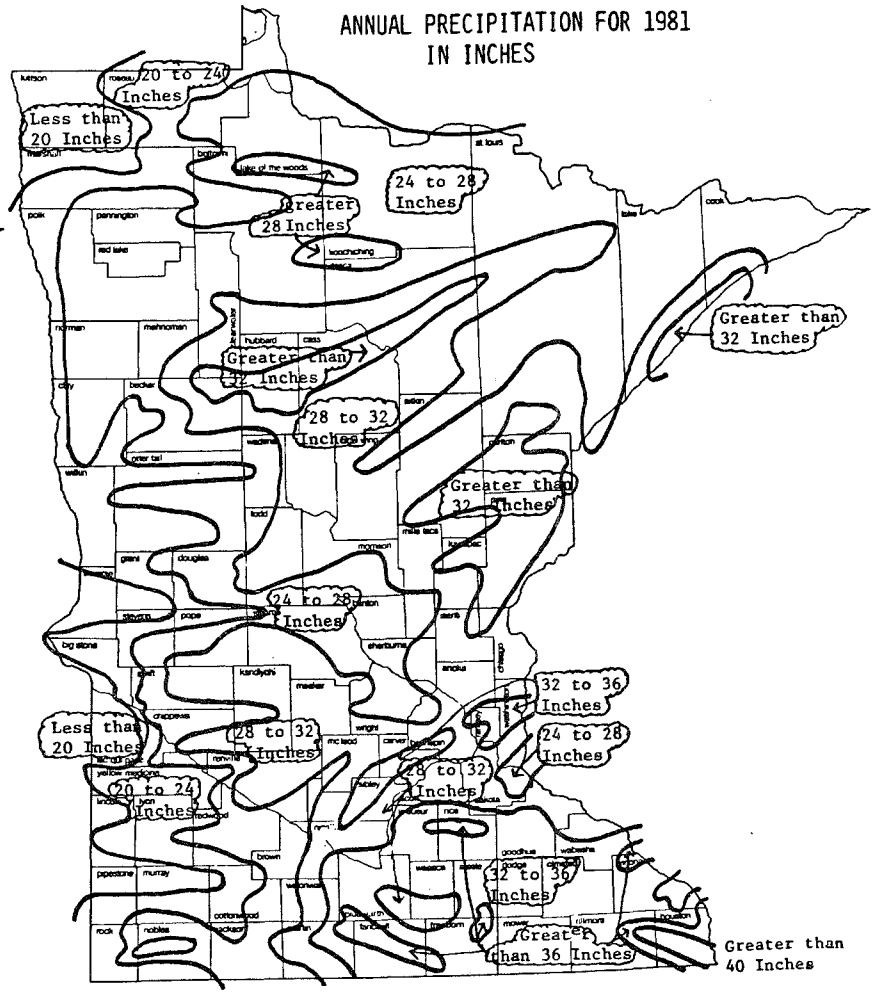
SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPARTMENT OF COMMERCE, WASHINGTON, D.C.

MINNESOTA CASH RECEIPTS FROM FARM MARKETINGS

Commodity	1978 1/		1979 1/		1980	
	Dollars	Percent of total 2/	Dollars	Percent of total 2/	Dollars	Percent of total 2/
	000	Percent	000	Percent	000	Percent
CROPS:						
FEED CROPS:						
Corn	581,988	11.8	907,125	14.4	675,527	12.2
Oats	61,239	1.2	45,831	0.7	51,015	0.9
Barley	68,162	1.4	71,713	1.1	73,375	1.3
Hay	41,190	0.8	47,246	0.8	43,068	0.8
FOOD GRAINS:						
Wheat	304,670	6.2	446,485	7.1	421,670	7.7
Rye	4,556	0.1	3,731	0.1	4,216	0.1
OIL CROPS:						
Soybeans	907,229	18.4	1,002,012	15.9	873,674	15.7
Flaxseed	16,326	0.3	11,035	0.2	14,219	0.3
Sunflowers	88,561	1.8	149,214	2.4	141,696	2.6
VEGETABLE CROPS:						
Potatoes	42,478	0.9	46,963	0.7	47,020	0.8
Sweet Corn (Processing)	29,106	0.5	27,425	0.4	26,258	0.5
Green Peas (Processing)	18,061	0.4	19,088	0.3	24,512	0.4
Dry Beans	6,472	0.1	20,267	0.3	10,990	0.2
All Seed Crops 3/	10,353	0.2	7,582	0.1	9,757	0.2
Apples	4,170	0.1	4,175	0.1	2,710	*
Sugarbeets	108,368	2.2	113,113	1.8	120,268	2.3
Greenhouse and Nursery	22,960	0.5	35,070	0.6	33,373	0.6
Forest Products	3,325	0.1	3,658	0.1	3,658	0.1
Other Crops and Vegetables 4/	24,660	0.5	26,625	0.4	25,170	0.5
TOTAL CROPS	2,343,874	47.5	2,988,358	47.5	2,602,176	46.9
LIVESTOCK PRODUCTS-						
MEAT ANIMALS:						
Cattle and Calves	745,688	15.1	1,065,499	16.9	922,903	16.6
Hogs	663,047	13.4	732,598	11.6	660,372	11.9
Sheep and Lambs	10,775	0.2	11,408	0.2	11,602	0.2
DAIRY PRODUCTS:						
Milk, Wholesale	880,005	17.8	1,173,660	18.7	1,026,158	18.5
POULTRY AND EGGS:						
Turkeys	154,885	3.1	167,790	2.7	165,756	3.0
Turkey Eggs	14,041	0.3	19,581	0.3	17,760	0.3
Broilers	19,607	0.4	22,950	0.4	22,951	0.4
Farm Chickens	1,034	*	1,025	*	1,087	*
Eggs	76,423	1.5	82,579	1.3	88,287	1.6
Honey and Beeswax	7,211	0.1	7,801	0.1	8,390	0.2
Wool	1,244	*	1,420	*	1,372	*
Miscellaneous Other Livestock and Products 5/	16,043	0.3	17,655	0.3	18,456	0.3
TOTAL LIVESTOCK	2,590,003	52.5	3,303,966	52.5	2,945,094	53.1
TOTAL ALL CROPS AND LIVESTOCK	4,933,877	100.0	6,292,324	100.0	5,547,270	100.0

1/ Revised. 2/Percents may not add due to method of machine computation. 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 and field crops. 5/Milkfat, retail milk, mink, goats, horses, mules, ducks, geese, and other livestock. *Less than 0.5%



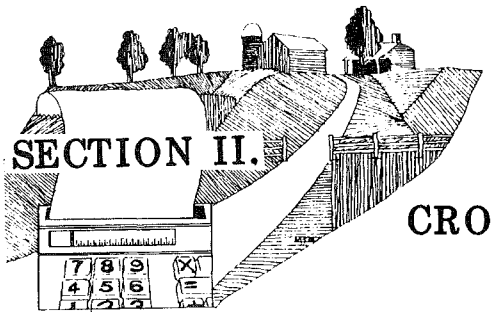


Prepared by: Department of Natural Resources, Division of Waters, State Climatology Office

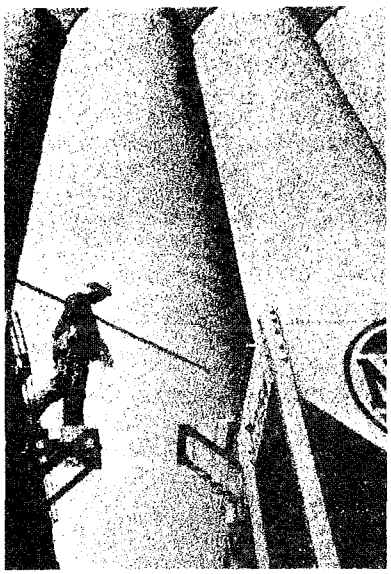
AVERAGE FROST DATES IN MINNESOTA[1/]

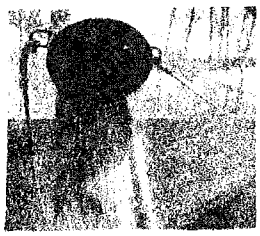
District and station	County	Average date of last temperature occurrence in spring of:			Average date of first temperature occurrence in fall of:			Number of days between average last spring and first fall occurrence of:		
		24°F	28°F	32°F	32°F	28°F	24°F	32°F	28°F	24°F
Northwest District (1):										
Ada	Norman	APR 29	MAY 9	MAY 23	SEP 20	SEP 30	OCT 8	120	144	162
Argyle	Marshall	MAY 3	MAY 12	MAY 24	SEP 17	SEP 29	OCT 7	116	140	157
Crookston	Polk	APR 29	MAY 9	MAY 22	SEP 21	OCT 1	OCT 11	122	145	165
Detroit Lakes	Becker	APR 28	MAY 8	MAY 20	SEP 22	OCT 3	OCT 14	125	148	169
Fosston	Polk	MAY 1	MAY 10	MAY 24	SEP 16	SEP 30	OCT 9	115	143	161
Hallock	Kittson	MAY 10	MAY 16	MAY 28	SEP 15	SEP 26	OCT 2	110	133	145
Moorhead	Clay	APR 22	MAY 3	MAY 12	SEP 28	OCT 8	OCT 16	139	158	177
Red Lake Falls	Red Lake	MAY 3	MAY 14	MAY 23	SEP 16	SEP 27	OCT 7	116	136	157
Roseau	Roseau	MAY 6	MAY 16	MAY 26	SEP 13	SEP 23	OCT 6	110	130	153
Warroad	Roseau	MAY 3	MAY 12	MAY 24	SEP 19	SEP 30	OCT 9	118	141	159
North Central District (2):										
Baudette	Lake of the Woods	MAY 1	MAY 13	MAY 26	SEP 15	SEP 28	OCT 6	112	138	158
Bemidji	Beltrami	MAY 1	MAY 17	MAY 29	SEP 13	SEP 28	OCT 3	107	134	155
Big Falls	Koochiching	MAY 4	MAY 17	JUN 4	SEP 7	SEP 18	OCT 4	95	124	153
Grand Rapids	Itasca	MAY 6	MAY 17	MAY 30	SEP 9	SEP 23	OCT 3	102	129	150
Park Rapids	Hubbard	MAY 1	MAY 11	MAY 21	SEP 20	OCT 3	OCT 9	122	145	161
Northeast District (3):										
Babbitt	St. Louis	MAY 1	MAY 12	MAY 20	SEP 24	OCT 8	OCT 16	127	149	168
Duluth (Airport)	St. Louis	MAY 3	MAY 8	MAY 22	SEP 24	OCT 6	OCT 17	125	151	167
Grand Marais	Cook	APR 25	MAY 11	MAY 23	SEP 29	OCT 13	OCT 25	129	155	183
Meadowlands	St. Louis	MAY 11	MAY 20	JUN 4	AUG 31	SEP 16	OCT 2	68	119	144
Two Harbors	Lake	APR 21	MAY 3	MAY 15	OCT 5	OCT 17	OCT 31	143	167	193
Virginia	St. Louis	MAY 4	MAY 13	MAY 26	SEP 18	SEP 29	OCT 9	115	139	158
West Central District (4):										
Alexandria	Douglas	APR 19	MAY 1	MAY 12	SEP 30	OCT 8	OCT 25	141	160	189
Beardsley	Big Stone	APR 25	MAY 6	MAY 17	SEP 23	OCT 2	OCT 12	129	149	167
Campbell	Wilkin	APR 28	MAY 5	MAY 18	SEP 22	SEP 30	OCT 7	127	148	162
Canby	Yellow Medicine	APR 18	APR 29	MAY 10	OCT 2	OCT 10	OCT 22	145	164	187
Fergus Falls	Otter Tail	APR 23	MAY 2	MAY 13	SEP 25	OCT 6	OCT 18	135	157	178
Montevideo	Lac Qui Parle	APR 16	APR 28	MAY 7	OCT 1	OCT 13	OCT 24	147	168	191
Morris	Stevens	APR 23	MAY 6	MAY 15	SEP 25	OCT 2	OCT 14	133	149	174
Wheaton	Traverse	APR 24	MAY 4	MAY 10	SEP 25	OCT 3	OCT 15	138	152	172
Central District (5):										
Bird Island	Renville	APR 14	APR 27	MAY 9	SEP 30	OCT 10	OCT 22	144	166	191
Little Falls	Morrison	APR 22	APR 30	MAY 10	SEP 26	OCT 7	OCT 18	139	160	180
St. Cloud	Stearns	APR 18	APR 24	MAY 9	SEP 29	OCT 13	OCT 21	143	172	186
Wadena	Wadena	APR 27	MAY 8	MAY 22	SEP 21	SEP 30	OCT 12	122	145	168
Willmar	Kandiyohi	APR 19	APR 28	MAY 8	SEP 29	OCT 7	OCT 23	144	162	187
East Central District (6):										
Brainerd	Crow Wing	APR 24	MAY 4	MAY 16	SEP 24	SEP 30	OCT 14	131	149	173
Cambridge	Isanti	APR 20	APR 29	MAY 13	SEP 26	OCT 5	OCT 17	136	169	170
Hinckley	Pine	APR 22	MAY 4	MAY 19	SEP 24	OCT 3	OCT 14	128	152	175
Maple Plain	Hennepin	APR 16	APR 26	MAY 7	OCT 5	OCT 14	OCT 26	151	171	193
Milaca	Mille Lacs	APR 22	MAY 3	MAY 12	SEP 25	OCT 8	OCT 18	136	158	179
Moose Lake	Carlton	APR 30	MAY 15	MAY 24	SEP 13	SEP 27	OCT 13	112	135	166
Mora	Kanabec	APR 22	MAY 5	MAY 14	SEP 26	OCT 2	OCT 17	135	150	178
Southwest District (7):										
Pipestone	Pipestone	APR 20	MAY 3	MAY 9	OCT 1	OCT 9	OCT 22	145	159	185
Redwood Falls	Redwood	APR 14	APR 26	MAY 3	OCT 3	OCT 15	OCT 23	153	172	192
Tracy	Lyon	APR 17	APR 30	MAY 8	OCT 6	OCT 15	OCT 23	151	168	179
Worthington	Nobles	APR 15	APR 30	MAY 7	OCT 4	OCT 16	OCT 23	150	169	191
South Central District (8):										
Albert Lea	Freeborn	APR 6	APR 20	MAY 3	OCT 6	OCT 21	OCT 28	156	184	205
Fairmont	Martin	APR 11	APR 25	MAY 5	OCT 8	OCT 18	OCT 27	156	176	199
Faribault	Rice	APR 17	APR 27	MAY 6	OCT 5	OCT 17	OCT 25	152	173	191
New Ulm	Brown	APR 19	MAY 1	MAY 13	SEP 27	OCT 6	OCT 21	137	158	185
St. Peter	Nicollet	APR 10	APR 28	MAY 9	SEP 30	OCT 12	OCT 23	144	167	196
Waseca	Waseca	APR 18	APR 28	MAY 9	SEP 29	OCT 10	OCT 23	143	165	188
Winnebago	Faribault	APR 13	APR 28	MAY 5	OCT 6	OCT 18	OCT 27	154	173	197
Southeast District (9):										
Farmington	Dakota	APR 15	APR 25	MAY 9	OCT 1	OCT 10	OCT 22	145	168	190
Grand Meadow	Mower	APR 14	MAY 1	MAY 10	SEP 29	OCT 11	OCT 25	142	163	194
Winona	Winona	APR 2	APR 17	APR 28	OCT 9	OCT 22	NOV 2	164	188	215
Zumbrota	Goodhue	APR 19	MAY 3	MAY 14	SEP 30	OCT 7	OCT 19	139	157	183

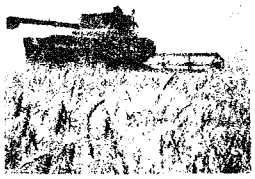
1/ From data prepared by the National Weather Service Forecast Office, Minneapolis, Minnesota.

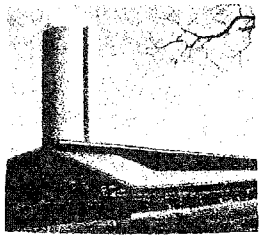


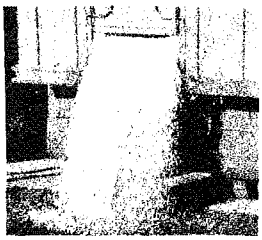
SECTION II. CROPS











The 1981 planting season for row crops got off to an early start in Minnesota and advanced rapidly with few interruptions. Sugarbeet planting was completed shortly after May 1 and 85% of the corn acreage was planted by mid-May. Soybeans were 85% planted by June 1.

Topsoil moisture was short in most areas until June showers replenished supplies. The west central and southwest areas were short most of the growing season.

CORN acreage harvested for grain in 1981 at 6.8 million acres was the highest on record for Minnesota farmers. Production, up 135 million bushels from 1980, was also a record. Corn for silage totaled 810,000 acres, down 8% from 1980.

Production of 1981 SOYBEANS was down 3% from 1980, due mainly to a 360,000 acre drop in acreage harvested. Yield at 33.0 bushels per acre was up 1.5 bushels.

The 1981 ALL WHEAT production at 144.0 million bushels was up 40% from 1980. Both yield and production set records in 1981. Production of SPRING WHEAT rose 38% to 134.0 million bushels, with an average yield of 40.0 bushels per acre. Both are Minnesota records. DURUM yield of 40.0 bushels tied the record of 1971. Production of 5.40 million bushels was also a record. WINTER WHEAT yield of 37.0 bushels per acre tied the record of 1973 and production of 4.63 million bushels was up 97% from 1980.

OAT production of 90.1 million bushels was up 9% from 1980. Yield at 63.0 bushels per acre was the 2nd highest yield on record.

BARLEY yield of 56.0 bushels per acre was a record for Minnesota farmers. Production of 57.7 million bushels was up a whopping 67% from last year.

Minnesota RYE growers produced a crop of 2.88 million bushels, up 52% from 1980. The average yield of 31.0 bushels was the 2nd highest on record.

SUNFLOWER production of 823.6 million pounds was down 22% from 1980 due to a drop in both acreage harvested and yield per acre.

FLAX production of 1.3 million bushels was down 17% from 1980.

SUGARBEET tonnage at 4.4 million tons was up 22% from 1980 due to an increase in acres harvested and yield per acre.

ALL HAY production in Minnesota was up 15% from 1980. Acreage harvested was down but yield per acre at 2.87 tons was up from last year.

The DRY EDIBLE BEAN crop of 1.34 million hundredweight gained 39% from 1980. The acreage was up 23% and the yield of 1,300 was up 150 hundredweight per acre. This year's production is a record for Minnesota.

Minnesota Oat Varieties

LYON BECOMES LEADING VARIETY IN 1981 SURVEY

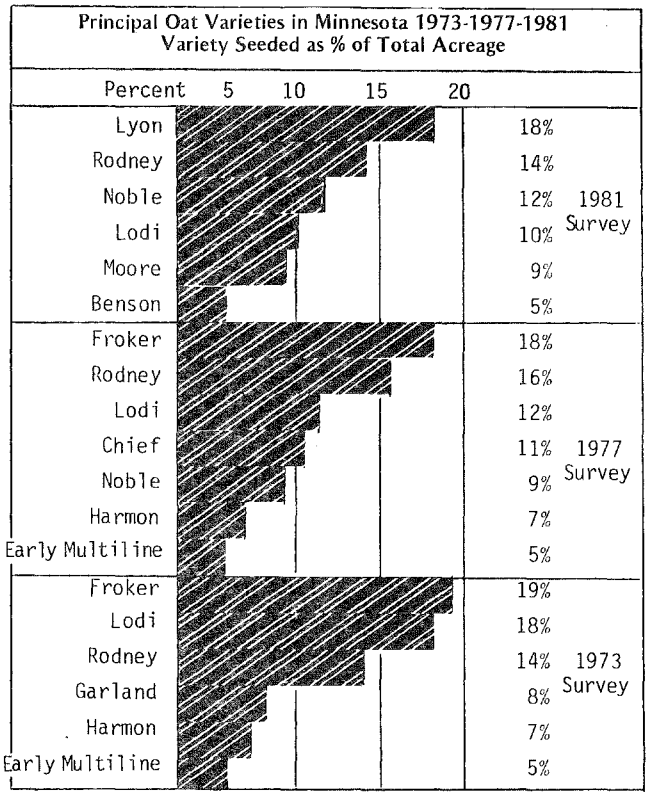
A survey conducted in June showed that Lyon had become the most popular oat variety in the state. Minnesota farmers seeded Lyon on 18% of their oats acreage in 1981. Lyon was developed by the Minnesota Agricultural Experiment Station and introduced in 1977. Other recent introductions from the Experiment Station, Moore (1979) and Benson (1979) were also prominent, with 9% and 5% of the acreage, respectively.

Froker, the number one variety in both 1973 and 1977, fell to seventh place, with only 4% of the acreage in 1981. Chief, which was 11% in 1977, fell to 3% by 1981, and Harmon dropped from 7% to 3% during the same period.

Some of the longer established varieties remained important. Rodney, with 14% in 1981, was still the second most popular variety. Lodi, with 10%, dropped from third to fourth place between 1977 and 1981. Noble, which accounted for 9% of the acreage in 1977, went up to 12% in 1981.

Lyon was planted on at least 10% of the oats acreage in every crop reporting district and was the leading variety in the northwest, west central, and southwest districts. Rodney and Lodi were most popular in the northern two-thirds of the state while Noble was most popular in the southern third of the state.

A number of varieties were important locally, but not statewide. Harmon was mostly confined to the northwest district while Early Multiline blends were not widely planted outside the southeast district.



OAT VARIETIES
PERCENT OF DISTRICT ACREAGE SEEDED TO EACH VARIETY - 1981 CROP

District	1981 Seeded Oat Acreage	Lyon	Rodney	Noble	Lodi	Moore	Benson	Froker	Early Multiline	Harmon	Chief	Lancer	Other 1/ Known Varieties	Variety Unknown
	1,000 Acres	Percent												
Northwest (1)	259.2	19	16	6	14	8	6	4	*	18	*	*	7	2
North Central (2) & Northeast (3)	67.2	10	30	6	30	1	2	2	*	5	*	*	8	6
West Central (4)	336.6	27	17	9	6	10	8	7	*	1	2	1	8	4
Central (5)	390.7	15	19	13	11	12	3	6	*	*	4	2	7	8
East Central (6)	91.9	10	23	7	20	13	3	5	*	*	7	*	8	4
Southwest (7)	151.7	23	*	19	5	11	6	*	6	*	2	5	13	10
South Central (8)	94.2	18	7	19	8	13	5	4	1	*	4	6	9	6
Southeast (9)	208.5	10	1	18	4	4	4	1	19	*	4	4	21	10
STATE	1,600.0	18	14	12	10	9	5	4	3	3	3	2	11	6

*Less than .5%

1/ Other varieties reported, 1981 survey (each 1% or less statewide): Ajax, Bonkee, Branch, Burnett, Clinton, Dal, Diana, Garland, Garry, Gopher, Grundy, Holden, Hudson, Lang, Marathon, Midseason Multiline, Nodaway, Otana, Otee, Otter, Portal, Spear, Stout, Tippecanoe, Wright.

MINNESOTA & U.S. CROP PRODUCTION RECORDS

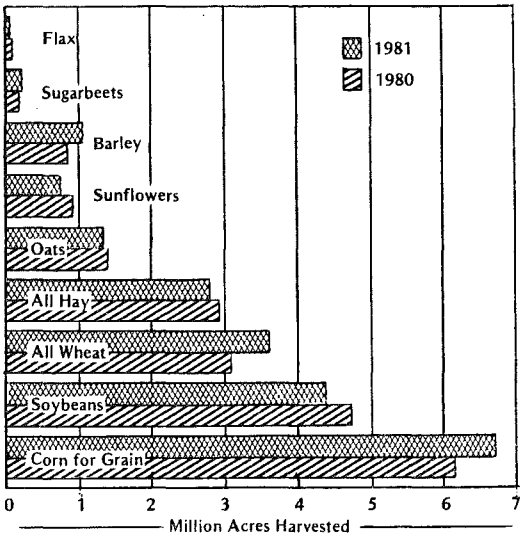
Crop	Plantings (000 Acres)		Yield Per Acre		Production (000)	
CORN:						
Minnesota	7,700	1981	110.0 bu.	1981	744,700 bu.	1981
United States	113,024	1932	109.9 bu.	1981	8,200,951 bu.	1981
SOYBEANS:						
Minnesota	5,150	1979	36.0 bu.	1978	162,560 bu.	1979
United States	71,632	1979	32.1 bu.	1979	2,267,901 bu.	1979
ALL WHEAT:						
Minnesota	6,375 1/	1899	39.9 bu.	1981	144,025 bu.	1981
United States	88,864	1981	34.5 bu.	1981	10,225,881 bu.	1981
BARLEY:						
Minnesota	2,380	1935	56.0 bu.	1981	59,670 bu.	1935
United States	19,686	1942	52.3 bu.	1981	478,301 bu.	1981
OATS:						
Minnesota	5,466	1945	68.0 bu.	1977	242,640 bu.	1945
United States	47,494	1955	55.9 bu.	1971	1,523,851 bu.	1945
ALL HAY:						
Minnesota	4,721 1/	1941	3.02 tons	1979	8,910 tons	1979
United States	77,639 1/	1944	2.40 tons	1979	147,847 tons	1979
FLAX:						
Minnesota	1,758	1943	15.5 bu.	1978	19,102 bu.	1948
United States	6,182	1943	13.7 bu.	1979	54,803 bu.	1948
RYE:						
Minnesota	665	1937	35.0 bu.	1973	14,584 bu.	1922
United States	7,235	1937	28.1 bu.	1971	125,144 bu.	1918
SUGARBEETS:						
Minnesota	265	1978	18.9 tons	1978	4,971 tons	1978
United States	1,647	1969	22.2 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	1,365 lbs.	1978	7,296,110 lbs.	1979

1/ Harvested acres.

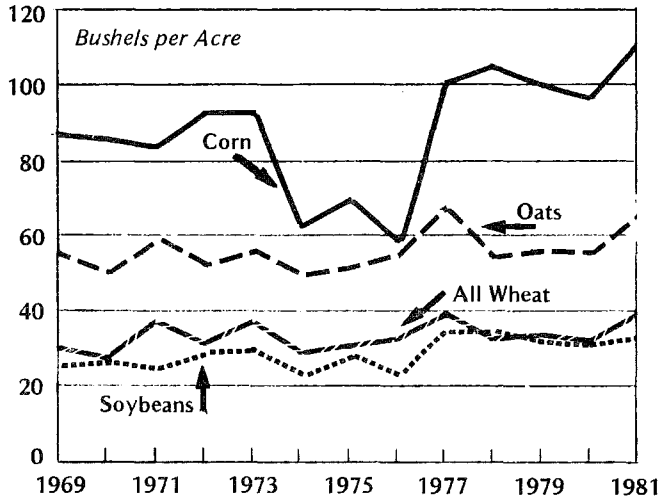
MINNESOTA STOCKS & CROP PRICE RECORDS

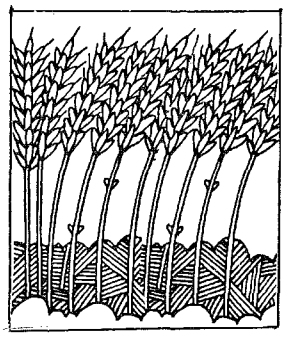
Crop	Farm Stocks (000)	Off-Farm Stocks (000)	High Monthly Price	Low Monthly Price
Minnesota Corn	603,207 bu. Jan. 1, 1982	144,838 bu. Jan. 1, 1961	$3.34 bu. October 1974	$0.13 bu. February 1933
Minnesota Soybeans	101,640 bu. Jan. 1, 1982	56,769 bu. Jan. 1, 1970	$10.00 bu. June 1973	$0.65 bu. August 1939
Minnesota All Wheat	125,302 bu. Oct. 1, 1981	90,136 bu. Oct. 1, 1964	$5.38 bu. February 1974	$0.33 bu. December 1932
Minnesota Barley	49,605 bu. Oct. 1, 1981	33,651 bu. Oct. 1, 1970	$3.82 bu. November 1974	$0.16 bu. Feb., March 1933
Minnesota Oats	208,670 bu. Oct. 1, 1945	78,566 bu. Oct. 1, 1971	$2.04 bu. March 1981	$0.10 bu. October 1932
Minnesota Flax	6,695 bu. Oct. 1, 1950	21,538 bu. Oct. 1, 1949	$10.80 bu. March, Aug. 1974	$0.82 bu. August 1932
Minnesota Rye	4,356 bu. Dec. 1, 1940	12,710 bu. Oct. 1, 1972	Prices dis-continued 6/76	$0.19 bu. December 1932

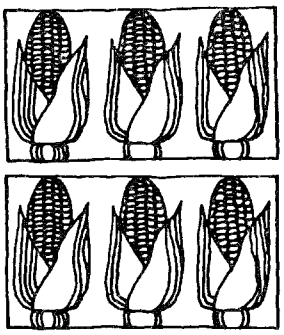
MAJOR MINNESOTA CROPS, 1980-1981

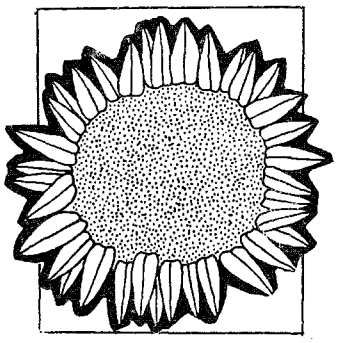


MINNESOTA CROP YIELDS

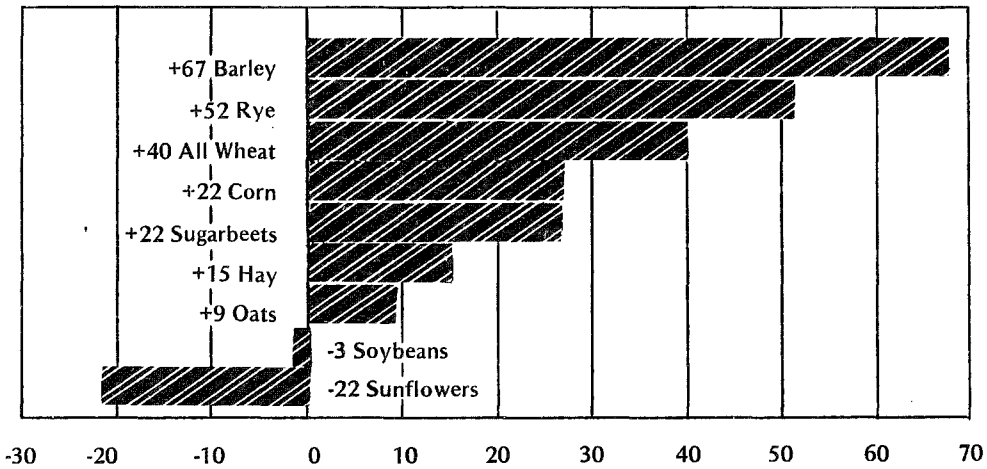








CROP PRODUCTION CHANGES
1981 AS PERCENT OF 1980, MINNESOTA



MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
Corn for Grain						
	1,000 Acres 1/	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1977	6,900	6,000	100.0	600,000	1.90	1,140,000
1978	7,000	6,190	104.0	643,760	2.08	1,339,021
1979	6,900	6,060	100.0	606,000	2.26	1,369,560
1980	7,250	6,290	97.0	610,130	2.85	1,738,871
1981	7,700	6,770	110.0	744,700	2.25 3/	1,675,575
Corn for Silage						
		1,000 Acres	Tons	1,000 Tons		
1977	--	830	13.0	10,790	--	--
1978	--	750	12.5	9,375	--	--
1979	--	750	13.5	10,125	--	--
1980	--	880	12.0	10,560	--	--
1981	--	810	13.5	10,935	--	--
Soybeans						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1977	3,800	3,770	35.5	133,835	5.90	789,627
1978	4,100	4,060	36.0	146,160	6.52	952,963
1979	5,150	5,080	32.0	162,560	6.00	975,360
1980	4,800	4,760	31.5	149,940	7.23	1,084,066
1981	4,500	4,400	33.0	145,200	5.80 3/	842,160
Oats						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1977	2,530	2,380	68.0	161,840	1.01	163,458
1978	2,150	1,830	54.0	98,820	1.12	110,678
1979	1,650	1,490	57.0	84,930	1.26	107,012
1980	1,650	1,450	57.0	82,650	1.70	140,505
1981	1,600	1,430	63.0	90,090	1.85 3/	166,667
Barley						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1977	1,100	1,080	51.0	55,080	1.63	89,780
1978	1,070	1,050	49.5	51,975	1.87	97,193
1979	780	770	53.0	40,810	2.15	87,742
1980	900	815	42.5	34,638	2.75	95,255
1981	1,050	1,030	56.0	57,680	2.30 3/	132,664
Rye						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 2/	1,000 Dols.
1977	104	84	29.0	2,436	2.15	5,237
1978	115	98	24.0	2,352	2.03	4,775
1979	100	91	25.0	2,275	2.15	4,891
1980	85	76	25.0	1,900	2.80	5,320
1981	100	93	31.0	2,883	2.90 3/	8,361

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. 3/ Preliminary.

-----Continued

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

All Wheat

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 1/	1,000 Dols.
1977	3,425	3,327	39.6	131,894	2.47	326,320
1978	2,850	2,776	33.6	93,225	2.96	275,551
1979	2,640	2,578	35.1	90,384	3.71	335,284
1980	3,615	3,169	32.4	102,556	4.04	414,575
1981	3,670	3,610	39.9	144,025	3.74 3/	538,860

Spring Wheat (Other Than Durum)

	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 1/	1,000 Dols.
1977	3,200	3,140	40.0	125,600	2.47	310,232
1978	2,680	2,620	33.5	87,770	2.96	259,799
1979	2,500	2,450	35.0	85,750	3.69	316,418
1980	3,400	2,980	32.5	96,850	3.99	386,432
1981	3,400	3,350	40.0	134,000	3.75 3/	502,500

Durum Wheat

	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 1/	1,000 Dols.
1977	85	82	34.5	2,829	2.98	8,430
1978	100	98	38.5	3,773	2.98	11,244
1979	80	77	37.0	2,849	4.36	12,422
1980	140	120	28.0	3,360	5.59	18,782
1981	140	135	40.0	5,400	3.65 3/	19,710

Winter Wheat

	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 1/	1,000 Dols.
1977	140	105	33.0	3,465	2.21	7,658
1978	70	58	29.0	1,682	2.68	4,508
1979	60	51	35.0	1,785	3.61	6,444
1980	75	69	34.0	2,346	3.99	9,361
1981	130	125	37.0	4,625	3.60 3/	16,650

Flaxseed

	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu. 1/	1,000 Dols.
1977	235	220	14.5	3,190	4.56	14,546
1978	145	142	15.5	2,201	5.70	12,546
1979	160	153	14.5	2,219	6.02	13,358
1980	140	125	12.5	1,563	7.18	11,222
1981	115	104	12.5	1,300	6.90 3/	8,970

Sugarbeets

	Acres	Acres	Tons	Tons	Dols. Per Ton 2/	1,000 Dols.
1977	264,000	260,000	18.2	4,732,000	20.60	97,479
1978	265,000	263,000	18.9	4,971,000	21.80	108,368
1979	249,000	244,000	15.5	3,782,000	31.80	120,268
1980	260,000	243,000	14.9	3,621,000	44.10	159,686
1981	260,000	257,000	17.2	4,420,000	N/A	N/A

1/ 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.
2/ Excludes Sugar Act payments.
3/ Preliminary. N/A = 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
			All Sunflowers			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1977	525	518	1,558	807,060	10.10	81,172
1978	710	698	1,536	1,072,020	11.51	123,404
1979	1,400	1,347	1,389	1,870,620	9.59	179,443
1980	920	890	1,184	1,053,600	11.10	117,036
1981	735	713	1,155	823,550	11.10 1/	91,161
			Oil Sunflowers			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1977	455	449	1,590	713,910	10.00	71,391
1978	650	640	1,540	985,600	11.60	114,330
1979	1,340	1,290	1,390	1,793,100	9.48	169,986
1980	860	835	1,190	993,650	11.00	109,302
1981	650	631	1,170	738,270	10.80 1/	79,733
			Non-Oil Sunflowers			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1977	70	69	1,350	93,150	10.50	9,781
1978	60	58	1,490	86,420	10.50	9,074
1979	60	57	1,360	77,520	12.20	9,457
1980	60	55	1,090	59,950	12.90	7,734
1981	85	82	1,040	85,280	13.40 1/	11,428
			All Hay			
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1977	--	3,140	2.59	8,136	47.50	386,460
1978	--	2,990	2.95	8,806	41.00	361,046
1979	--	2,950	3.02	8,910	36.50	325,215
1980	--	2,950	2.41	7,115	56.00	398,440
1981	--	2,860	2.87	8,206	75.00 1/	615,450
			Alfalfa Hay			
		1,000 Acres	Tons	1,000 Tons		
1977	--	2,200	3.10	6,820	--	--
1978	--	2,140	3.40	7,276	--	--
1979	--	2,150	3.40	7,310	--	--
1980	--	2,100	2.70	5,670	--	--
1981	--	2,000	3.20	6,400	--	--
			All Other Hay			
		1,000 Acres	Tons	1,000 Tons		
1977	--	940	1.40	1,316	--	--
1978	--	850	1.80	1,530	--	--
1979	--	800	2.00	1,600	--	--
1980	--	850	1.70	1,445	--	--
1981	--	860	2.10	1,806	--	--

1/ Preliminary.

-----Continued

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

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
All Potatoes						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols Per Cwt.	1,000 Dols.
1977	83,600	79,500	189	15,023	2.77	41,637
1978	80,100	78,000	216	16,870	2.95	49,461
1979	76,400	74,300	198	14,716	3.11	45,782
1980	70,500	69,400	166	11,486	8.00	91,731
1981	79,200	76,100	196	14,947	5.30 1/	78,853
Fall Potatoes						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols Per Cwt.	1,000 Dols.
1977	76,000	72,000	180	12,960	2.74	35,510
1978	73,000	71,000	210	14,910	2.71	40,406
1979	70,000	68,000	190	12,920	3.05	39,406
1980	65,000	64,000	155	9,920	7.70	76,384
1981	73,000	70,000	190	13,300	NA	NA
Summer Potatoes						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1977	7,600	7,500	275	2,063	2.97	6,127
1978	7,100	7,000	280	1,960	4.62	9,055
1979	6,400	6,300	285	1,796	3.55	6,376
1980	5,500	5,400	290	1,566	9.80	15,347
1981	6,200	6,100	270	1,647	NA	NA
Dry Edible Beans						
	Acres	Acres	Pounds	1,000 Cwt.	Dols Per Cwt.	1,000 Dols.
1977	33,000	30,000	1,320	396	16.10	6,376
1978	44,000	42,000	1,410	592	13.70	8,110
1979	38,000	36,000	1,560	562	19.30	10,847
1980	90,000	84,000	1,150	966	22.50	21,735
1981	110,000	103,000	1,300	1,339	21.30 1/	28,521
Red Clover Seed						
		Acres	Pounds 2/	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols
1977	--	12,000	100	1,200	69.50	834
1978	--	38,000	110	4,180	58.00	2,424
1979	--	30,000	95	2,850	55.00	1,568
1980	--	30,000	100	3,000	55.50	1,665
1981	--	17,000	100	1,700	62.50 1/	1,063
Timothy Seed						
		Acres	Pounds 2/	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1977	--	35,000	225	7,875	53.00	4,174
1978	--	49,000	235	11,515	47.00	5,412
1979	--	56,000	275	15,400	34.00	5,236
1980	--	42,000	115	4,830	52.50	2,536
1981	--	50,000	310	15,500	20.50 1/	3,178

1/ Preliminary. 2/ Clean seed. NA = Not available.

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

Sweet Corn for Processing

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Season Average Price	Farm Value Of Production
	Acres	Acres	Tons 1/	Tons 1/	Dols. Per Ton	1,000 Dols.
1977	124,200	120,000	5.40	648,000	46.00	29,808
1978	124,200	111,500	5.75	641,100	45.40	29,106
1979	110,000	98,300	5.72	562,280	46.70	26,258
1980	103,800	101,200	5.42	548,500	50.00	27,425
1981	112,800	105,200	5.45	573,340	57.30	32,852

Green Peas for Processing

	Acres	Acres	Tons 2/	Tons 2/	Dols. Per Ton	1,000 Dols.
1977	68,500	65,600	1.53	100,400	201.00	20,180
1978	77,700	67,900	1.22	82,850	218.00	18,061
1979	81,600	73,000	1.53	111,690	220.00	24,572
1980	70,800	66,300	1.18	78,230	244.00	19,088
1981	66,600	56,800	1.54	87,470	230.00	20,118

Onions

	Acres	Acres	Cwt.	1,000 Cwt 3/	Dols Per Cwt.	1,000 Dols.
1977	1,000	840	260	218	6.35	1,270
1978	1,000	970	230	223	5.90	1,080
1979	1,000	480	260	125	3.83	360
1980	900	760	265	201	12.50	2,150
1981	850	750	265	199	9.64	1,581

Carrots for Fresh Market & Processing

	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1977	1,600	1,500	430	645	4.71	3,041
1978	2,100	1,900	365	694	5.21	3,619
1979	2,200	1,700	380	646	5.08	3,282
1980	1,700	1,300	380	494	7.38	3,644
1981	1,500	1,300	320	416	7.73	3,216

Commercial Apples

Crop Year	Acreage Planted	Acreage Harvested	Production	Season Average Price	Farm Value Of Utilized Production
			Mil. Lbs.	Cents Per Lb.	1,000 Dols.
1977	--	--	19.9	16.4	3,264
1978	--	--	28.0	15.1	4,228
1979	--	--	15.0	18.0	2,700
1980	--	--	23.0	17.1	3,933
1981	--	--	22.0	20.0 4/	4,400

1/ In husk. 2/ Shelled. 3/ Includes some quantities not marketed and excluded in computing value.
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.
1977-1978	17	11	7	5	5	6	7	8	12	8	8	6
1978-1979	12	8	5	5	4	5	7	8	14	15	10	7
1979-1980	5	7	12	4	8	4	5	7	12	13	13	10
1980-1981	15	10	6	13	5	6	9	6	8	9	7	6

SOYBEAN MARKETINGS

Crop Marketing Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1977-1978	4	15	5	5	5	9	11	9	10	9	9	9
1978-1979	10	23	4	6	8	5	5	5	7	15	8	4
1979-1980	6	16	3	7	5	8	6	5	10	13	11	10
1980-1981	12	24	6	4	9	5	5	9	7	5	7	7

ALL WHEAT MARKETINGS

Crop Marketing Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1977-1978	15	16	6	5	6	5	5	7	7	6	9	13
1978-1979	11	16	11	6	7	6	5	6	4	6	8	14
1979-1980	18	8	8	10	6	11	6	4	6	5	10	8
1980-1981	11	25	10	7	8	6	6	5	4	5	7	6

OAT MARKETINGS

1977-1978	23	14	5	4	4	3	4	5	8	7	10	13
1978-1979	15	21	5	6	5	6	5	8	7	7	6	9
1979-1980	13	16	8	8	3	10	4	4	6	6	9	13
1980-1981	21	17	7	5	5	6	9	8	8	4	4	6

BARLEY MARKETINGS

1977-1978	30	10	3	5	6	9	2	6	8	6	7	8
1978-1979	8	12	6	4	7	12	6	6	6	8	11	14
1979-1980	13	7	3	6	7	9	6	4	4	6	15	20
1980-1981	16	9	10	11	11	8	3	11	5	6	6	4

FLAX MARKETINGS

1977-1978	1	5	18	8	1	6	9	9	12	7	11	13
1978-1979	6	5	23	22	10	2	5	6	7	8	4	2
1979-1980	3	10	31	22	5	4	3	5	10	3	2	2
1980-1981	9	15	16	22	6	6	7	2	2	3	6	6

ALL HAY MARKETINGS

Crop Marketing Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1977-1978	17	9	5	5	2	4	3	16	5	12	12	10
1978-1979	15	9	6	4	3	3	4	12	10	12	14	8
1979-1980	12	11	9	4	2	7	8	9	11	13	7	7
1980-1981	10	8	6	4	3	5	4	13	10	13	14	10

MINNESOTA GRAIN AND HAY STOCKS

Year	On Farms				All Storage Positions			
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
	1,000 Bushels				1,000 Bushels			
CORN STOCKS								
1978	438,000	318,000	246,000	120,000	556,762	427,200	325,152	161,614
1979	560,071	457,070	366,943	173,815	684,201	571,139	456,579	246,723
1980	545,400	406,020	309,060	169,680	678,734	526,120	408,970	243,385
1981	494,205	341,673	262,356	91,520	614,660	450,371	340,932	151,327
1982	603,207	469,161			737,583	590,789		
ALL WHEAT STOCKS								
1978	104,196	83,093	72,542	110,006	146,184	128,509	106,603	149,876
1979	93,225	72,716	68,987	106,653	119,585	104,482	88,612	143,883
1980	79,538	59,653	36,154	77,943	106,379	92,953	62,364	129,188
1981	68,713	53,329	37,946	125,302	110,338	90,992	64,221	175,897
1982	103,698	80,654			146,193	120,528		
SOYBEAN STOCKS								
1978	66,918	45,504	30,782	10,707 1/	107,398	83,628	57,526	19,217 1/
1979	73,080	51,156	38,002	11,693 1/	111,370	84,418	60,419	22,145 1/
1980	89,408	66,650	52,019	21,133 1/	137,001	105,430	79,569	37,688 1/
1981	79,468	65,974	52,479	23,990 1/	125,768	97,317	72,368	37,229 1/
1982	101,640	76,956			144,997	115,468		
OATS STOCKS								
1978	108,433	82,538	63,118	102,773	127,623	98,227	79,182	129,750
1979	92,891	68,186	50,398	90,875	114,866	89,137	68,836	115,003
1980	75,588	56,903	39,917	74,385	94,860	73,163	51,107	92,885
1981	61,988	40,499	29,754	70,270	76,993	52,706	36,049	79,598
1982	58,559	33,333			65,310	39,660		
BARLEY STOCKS								
1978	33,048	26,989	20,380	54,574	50,258	44,337	35,191	70,264
1979	46,778	34,823	31,705	48,972	62,608	51,714	45,812	76,892
1980	44,075	32,240	23,262	36,024	72,071	57,480	46,022	62,509
1981	24,939	18,358	12,816	49,605	49,869	43,120	33,094	73,970
1982	40,953	28,263			58,683	48,183		
RYE STOCKS								
1978	365	292	122	1,200	1,742	1,286	810	3,911
1979	964	823	706	2,093	3,078	2,368	1,571	5,338
1980	1,001	865	751	1,482	3,978	3,521	3,021	4,347
1981	779	228	171	750	2,294	1,628	1,041	2,222
1982	605	202			1,618	845		
FLAX STOCKS								
1978	1,212	734	255	1,453	3,887	2,971	1,875	3,012
1979	792	484	198	1,575	3,172	2,669	1,209	2,951
1980	999	843	555	1,172	3,703	3,009	1,995	3,657
1981	531	422	156	455	3,031	2,140	1,319	1,090
1982	299	182			1,574	1,246		

HAY STOCKS	Jan. 1	May 1	
	1,000 Tons		
1978	5,451	1,627	OFF-FARM HAY STOCKS
1979	6,076	1,937	
1980	6,772	1,871	NOT ESTIMATED
1981	4,696	1,210	
1982	5,662	1,395	

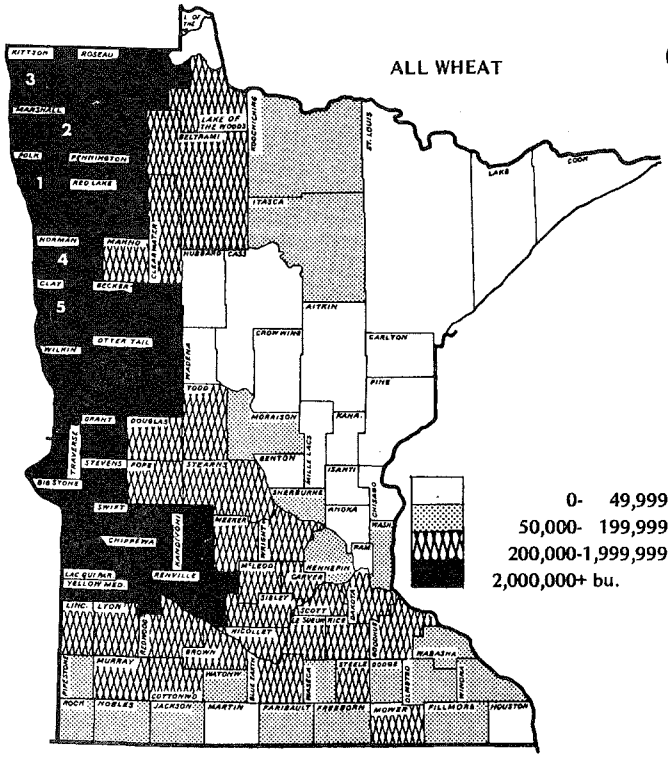
1/September 1 stocks.

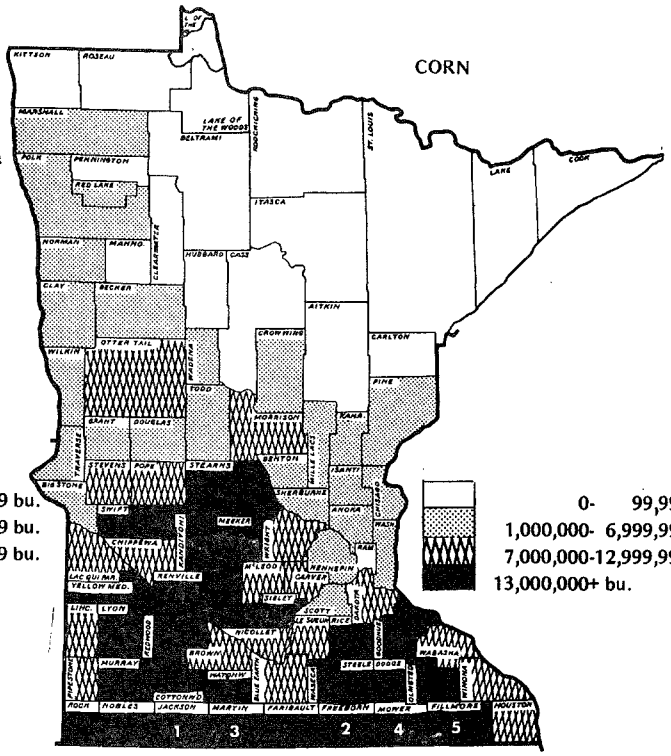
AVERAGE DATES OF PLANTING AND HARVESTING COMPLETION-MINNESOTA

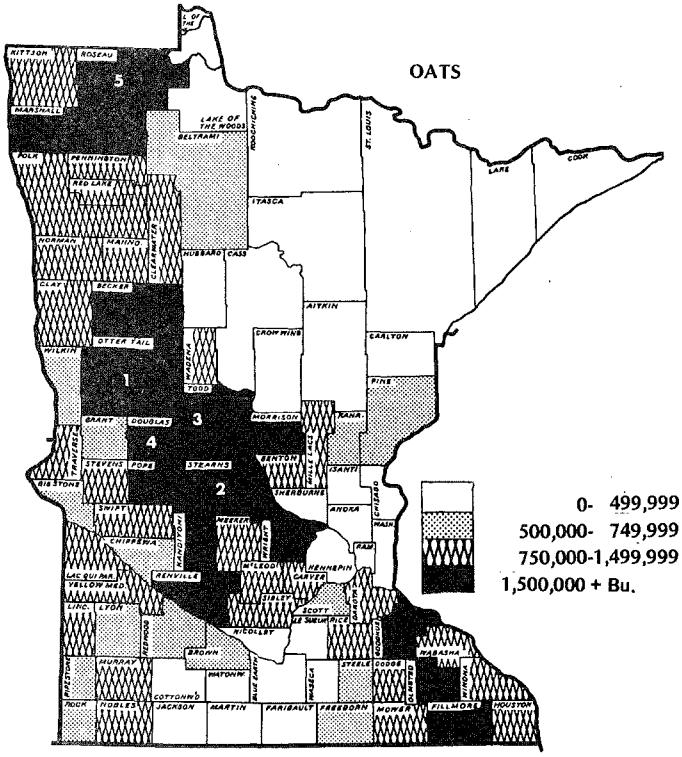
Crop and Year	Date PLANTING Completed					Date HARVESTING Completed				
	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent
Corn:										
1981	APR 29	MAY 4	MAY 9	MAY 14	MAY 21	OCT 12	OCT 22	OCT 31	NOV 9	NOV 16
1980	APR 28	MAY 1	MAY 5	MAY 11	MAY 20	OCT 7	OCT 14	OCT 21	OCT 30	NOV 5
1977-1981 Average	APR 30	MAY 4	MAY 11	MAY 19	MAY 26	OCT 4	OCT 15	OCT 25	NOV 6	NOV 18
Soybeans:										
1981	MAY 9	MAY 14	MAY 19	MAY 26	JUN 2	SEP 26	OCT 9	OCT 23	OCT 30	NOV 5
1980	MAY 6	MAY 12	MAY 17	MAY 24	JUN 5	SEP 28	OCT 3	OCT 9	OCT 14	OCT 23
1977-1981 Average	MAY 10	MAY 15	MAY 21	MAY 27	JUN 5	SEP 27	OCT 4	OCT 12	OCT 21	OCT 31
Spring Wheat:										
1981	APR 3	APR 8	APR 16	APR 23	MAY 1	AUG 4	AUG 11	AUG 16	AUG 21	AUG 28
1980	APR 19	APR 21	APR 25	APR 30	MAY 5	JUL 28	AUG 4	AUG 12	AUG 24	SEP 5
1977-1981 Average	APR 10	APR 18	APR 29	MAY 10	MAY 22	JUL 29	AUG 7	AUG 17	SEP 1	SEP 11
OATS:										
1981	APR 4	APR 10	APR 17	APR 25	MAY 6	JUL 27	AUG 1	AUG 9	AUG 15	AUG 23
1980	APR 20	APR 23	APR 27	APR 30	MAY 4	JUL 24	JUL 29	AUG 4	AUG 13	AUG 23
1977-1981 Average	APR 12	APR 20	APR 29	MAY 10	MAY 20	JUL 23	JUL 31	AUG 8	AUG 19	SEP 3
Barley:										
1981	APR 9	APR 14	APR 21	APR 30	MAY 11	JUL 28	JUL 30	AUG 5	AUG 13	AUG 19
1980	APR 20	APR 23	APR 27	MAY 2	MAY 7	JUL 24	JUL 27	AUG 1	AUG 10	AUG 23
1977-1981 Average	APR 16	APR 23	MAY 3	MAY 15	MAY 25	JUL 24	JUL 29	AUG 6	AUG 17	AUG 30
Flax:										
1981	APR 27	MAY 5	MAY 13	MAY 19	JUN 2	AUG 20	SEP 7	SEP 17	SEP 28	OCT 20
1980	APR 28	MAY 4	MAY 13	MAY 24	JUN 7	AUG 23	AUG 31	SEP 23	OCT 12	OCT 27
1977-1981 Average	APR 30	MAY 8	MAY 18	MAY 30	JUN 8	AUG 19	SEP 1	SEP 16	SEP 30	OCT 20
Sunflowers:										
1981	MAY 4	MAY 11	MAY 16	MAY 27	JUN 3	SEP 26	OCT 10	OCT 24	NOV 3	NOV 11
1980	MAY 3	MAY 6	MAY 13	MAY 20	JUN 3	SEP 26	OCT 1	OCT 8	OCT 19	OCT 31
1977-1981 Average	MAY 5	MAY 11	MAY 20	MAY 28	JUN 5	SEP 23	OCT 2	OCT 13	OCT 24	NOV 7
Alfalfa Hay: 1/										
1981	NOT APPLICABLE					JUN 5	JUN 11	JUN 20	JUN 30	JUL 5
1980						JUN 6	JUN 11	JUN 16	JUN 23	JUN 29
1977-1981 Average						JUN 3	JUN 9	JUN 16	JUN 26	JUL 5
Winter Wheat:										
1981	AUG 20	SEP 2	SEP 13	SEP 20	OCT 4	JUL 25	JUL 29	AUG 3	AUG 10	AUG 18
1980	AUG 27	SEP 3	SEP 11	SEP 20	SEP 29	JUL 19	JUL 23	JUL 30	AUG 6	AUG 16
1977-1981 Average	AUG 28	SEP 5	SEP 15	SEP 23	OCT 2	JUL 18	JUL 26	AUG 2	AUG 10	AUG 19
Rye:										
1981	AUG 27	SEP 3	SEP 14	SEP 21	OCT 1	JUL 25	JUL 29	AUG 5	AUG 12	AUG 17
1980	AUG 28	SEP 3	SEP 14	SEP 22	OCT 2	JUL 22	JUL 22	AUG 1	AUG 7	AUG 17
1977-1981 Average	AUG 29	SEP 5	SEP 16	SEP 24	OCT 3	JUL 21	JUL 28	AUG 4	AUG 12	AUG 22
Sugarbeets:										
1981	APR 12	APR 15	APR 20	APR 28	MAY 3	OCT 5	OCT 9	OCT 20	OCT 29	NOV 1
1980	APR 17	APR 21	APR 26	MAY 1	MAY 6	OCT 5	OCT 8	OCT 13	OCT 18	OCT 23
1977-1981 Average	APR 18	APR 24	MAY 1	MAY 9	MAY 21	OCT 3	OCT 8	OCT 13	OCT 19	OCT 26

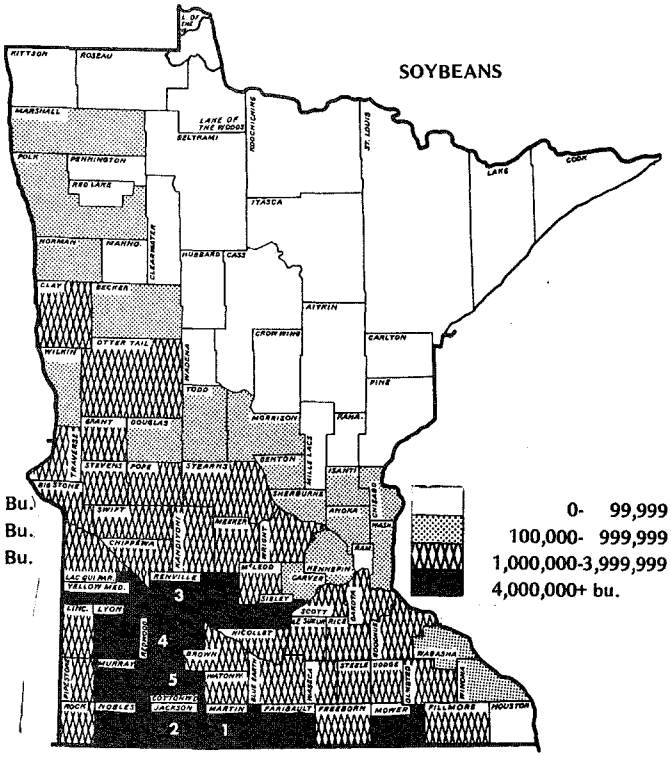
1/ First cutting.

GEOGRAPHIC DISTRIBUTION OF
MAJOR MINNESOTA CROPS, 1981









CORN: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District, County and County Rank in 1981 Production	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (66)	26,000	32,300	9,700	18,700	65.0	80.0	630,500	1,496,000
Clay (58)	19,000	35,700	9,100	30,600	71.0	96.0	646,100	2,937,600
Clearwater (73)	9,300	12,400	4,700	8,300	48.0	72.0	225,600	597,600
Kittson (79)	900	1,800	0	1,700	0.0	69.0	0	117,300
Mahnomen (72)	13,100	16,100	1,600	8,500	68.0	88.0	108,800	748,000
Marshall (68)	12,000	21,100	2,300	18,400	56.0	65.0	128,800	1,196,000
Norman (67)	18,400	22,300	6,500	16,700	40.0	84.0	260,000	1,402,800
Pennington (75)	4,500	8,000	600	7,200	58.0	67.0	34,800	482,400
Polk (57)	31,700	40,300	23,800	33,300	52.0	89.0	1,237,600	2,963,700
Red Lake (69)	11,000	18,200	7,800	16,800	52.0	70.0	405,600	1,176,000
Roseau (78)	6,000	11,100	1,600	5,700	42.0	75.0	67,200	427,500
Total	151,900	219,300	67,700	165,900	55.3	81.6	3,745,000	13,544,900
North Cent. Dist. 2								
Beltrami (77)	9,000	13,100	2,100	6,400	68.0	68.0	142,800	435,200
Cass (71)	11,100	15,600	5,400	10,300	86.0	80.0	464,400	824,000
Hubbard (76)	8,200	11,700	3,000	6,600	84.0	73.0	252,000	481,800
Itasca (83)	3,300	2,700	300	400	76.0	80.0	22,800	32,000
Koochiching (84)	2,300	3,300	200	0	77.0	0.0	15,400	0
Lake of the Woods (82)	1,300	1,900	300	700	79.0	73.0	23,700	51,100
Total	35,200	48,300	11,300	24,400	81.5	74.8	921,100	1,824,100
Northeast Dist. 3								
St. Louis (85)	900	1,100	100	0	89.0	0.0	8,900	0
Total	900	1,100	100	0	89.0	0.0	8,900	0
West Cent. Dist. 4								
Big Stone (52)	55,900	51,000	49,000	47,200	72.0	85.0	3,528,000	4,012,000
Chippewa (38)	105,100	99,900	102,300	94,600	76.0	97.0	7,774,800	9,176,200
Douglas (51)	56,700	68,300	37,300	54,400	65.0	93.0	2,424,500	5,059,200
Grant (56)	38,700	39,200	32,800	34,500	80.0	89.0	2,624,000	3,070,500
Lac Qui Parle (37)	125,700	113,600	119,200	105,300	79.0	89.0	9,416,800	9,371,700
Otter Tail (31)	159,300	180,000	105,100	126,000	68.0	93.0	7,146,800	11,718,000
Pope (39)	93,400	106,700	76,800	92,300	88.0	99.0	6,758,400	9,137,700
Stevens (36)	102,100	92,200	89,100	86,500	96.0	109.0	8,553,600	9,428,500
Swift (21)	138,300	147,300	127,400	137,600	82.0	105.0	10,446,800	14,448,000
Traverse (61)	35,800	34,700	28,800	29,400	58.0	80.0	1,670,400	2,352,000
Wilkin (60)	17,400	33,400	13,600	29,400	77.0	93.0	1,047,200	2,734,200
Yellow Medicine (11)	173,900	175,600	160,900	170,000	95.0	105.0	15,285,500	17,850,000
Total	1,102,300	1,141,900	942,300	1,007,200	81.4	97.7	76,676,800	98,358,000
Central Dist. 5								
Benton (48)	75,200	80,500	56,200	64,900	83.0	93.0	4,664,600	6,035,700
Carver (44)	68,500	72,900	53,900	61,000	95.0	117.0	5,120,500	7,137,000
Kandiyohi (15)	160,500	171,400	143,600	162,200	92.0	102.0	13,211,200	16,544,400
McLeod (30)	104,700	116,700	86,600	104,300	104.0	117.0	9,006,400	12,203,100
Meeker (25)	128,300	140,300	115,300	126,900	100.0	104.0	11,530,000	13,197,600
Morrison (43)	100,100	112,700	69,800	88,500	84.0	85.0	5,863,200	7,522,500
Renville (09)	184,900	190,700	180,100	186,000	95.0	117.0	17,109,500	21,762,000
Scott (47)	54,300	60,700	39,300	51,700	71.0	127.0	2,790,300	6,565,900
Sherburne (59)	35,800	40,600	28,900	31,300	95.0	89.0	2,745,500	2,785,700
Sibley (20)	126,100	133,800	115,600	117,800	98.0	124.0	11,328,800	14,607,200
Stearns (13)	227,000	251,400	165,300	183,900	89.0	93.0	14,711,700	17,102,700
Todd (46)	106,200	120,000	65,400	81,000	77.0	82.0	5,035,800	6,642,000
Wadena (63)	30,000	39,700	21,200	27,100	79.0	77.0	1,674,800	2,086,700
Wright (35)	102,800	112,600	86,200	96,700	97.0	104.0	8,361,400	10,056,800
Total	1,504,400	1,644,000	1,227,400	1,383,300	92.2	104.3	113,153,700	144,249,300

CORN: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81 (CONTINUED)

District, County and County Rank in 1981 Production	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (74)	5,200	7,200	2,400	5,000	99.0	110.0	237,600	550,000
Anoka (62)	20,500	30,600	19,400	27,700	90.0	82.0	1,746,000	2,271,400
Carlton (81)	1,300	3,000	200	700	88.0	83.0	17,600	58,100
Chisago (53)	44,500	51,600	37,200	45,300	87.0	82.0	3,236,400	3,714,600
Crow Wing (70)	13,500	19,600	8,200	15,600	68.0	67.0	557,600	1,045,200
Hennepin (55)	34,800	33,400	30,900	30,400	98.0	110.0	3,028,200	3,344,000
Isanti (50)	53,000	64,600	48,100	60,800	86.0	84.0	4,136,600	5,107,200
Kanabec (65)	34,400	37,300	26,400	22,200	83.0	84.0	2,191,200	1,864,800
Mille Lacs (54)	39,700	47,700	30,300	37,700	98.0	90.0	2,969,400	3,393,000
Pine (64)	39,600	43,600	25,900	22,800	84.0	91.0	2,175,600	2,074,800
Ramsey (80)	1,000	900	600	800	89.0	101.0	53,400	80,800
Washington (49)	43,000	51,200	40,400	49,300	97.0	111.0	3,918,800	5,472,300
Total	330,500	390,700	270,000	318,300	89.9	91.0	24,268,400	28,976,200
Southwest Dist. 7								
Cottonwood (12)	166,500	160,000	144,200	146,400	109.0	121.0	15,717,800	17,714,400
Jackson (01)	194,800	197,700	187,800	193,200	121.0	131.0	22,723,800	25,309,200
Lincoln (42)	94,300	102,300	79,600	87,200	77.0	89.0	6,129,200	7,760,800
Lyon (22)	162,700	165,300	152,600	149,000	95.0	92.0	14,497,000	13,708,000
Murray (23)	172,500	170,600	150,400	143,600	92.0	93.0	13,836,800	13,354,800
Nobles (08)	183,800	196,200	160,600	188,100	85.0	116.0	13,651,000	21,819,600
Pipestone (45)	116,900	107,600	93,800	91,500	79.0	77.0	7,410,200	7,045,500
Redwood (07)	203,300	208,400	191,900	197,300	102.0	111.0	19,573,800	21,900,300
Rock (24)	134,000	140,000	118,700	121,700	102.0	109.0	12,107,400	13,265,300
Total	1,428,800	1,448,100	1,279,600	1,318,000	98.2	107.6	125,647,000	141,877,900
South Cent. Dist. 8								
Blue Earth (32)	187,000	180,900	182,900	132,600	105.0	85.0	19,204,500	11,271,000
Brown (28)	138,900	131,900	129,900	118,500	105.0	106.0	13,639,500	12,561,000
Faribault (06)	197,300	197,300	192,600	184,600	125.0	119.0	24,075,000	21,967,400
Freeborn (02)	197,900	214,400	190,200	206,000	110.0	122.0	20,922,000	25,132,000
LeSueur (33)	98,200	85,700	85,200	82,000	71.0	128.0	6,049,200	10,496,000
Martin (03)	199,400	196,400	192,600	186,700	130.0	133.0	25,038,000	24,831,100
Nicollet (27)	109,200	109,200	102,900	101,100	100.0	125.0	10,290,000	12,637,500
Rice (18)	126,200	125,500	110,300	116,400	83.0	129.0	9,154,900	15,015,600
Steele (19)	118,100	126,300	114,000	119,400	103.0	124.0	11,742,000	14,805,600
Waseca (17)	122,000	125,000	116,500	118,100	109.0	128.0	12,698,500	15,116,800
Watonwan (26)	113,600	111,900	109,700	103,000	115.0	128.0	12,615,500	13,184,000
Total	1,607,800	1,604,500	1,526,800	1,468,400	108.4	120.6	165,429,100	177,018,000
Southeast Dist. 9								
Dakota (29)	100,700	112,000	86,500	101,700	81.0	123.0	7,006,500	12,509,100
Dodge (16)	116,600	130,000	109,000	125,000	112.0	127.0	12,208,000	15,875,000
Fillmore (05)	183,400	201,500	167,400	183,800	104.0	129.0	17,409,600	23,710,200
Goodhue (14)	136,700	145,200	114,000	128,900	100.0	130.0	11,400,000	16,757,000
Houston (41)	69,600	74,600	54,700	61,900	110.0	130.0	6,017,000	8,047,000
Mower (04)	179,200	201,400	172,900	190,400	117.0	128.0	20,229,300	24,371,200
Olmsted (10)	141,600	159,200	129,000	140,900	95.0	130.0	12,255,000	18,317,000
Wabasha (40)	76,900	80,000	61,900	69,400	100.0	129.0	6,190,000	8,952,600
Winona (34)	83,500	98,200	69,400	82,500	109.0	125.0	7,564,600	10,312,500
Total	1,088,200	1,202,100	964,800	1,084,500	103.9	128.0	100,280,000	138,851,600
STATE TOTAL	7,250,000	7,700,000	6,290,000	6,770,000	97.0	110.0	610,130,000	744,700,000

CORN FOR SILAGE: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District, County and County Rank in 1981 Production ()	Acreage Harvested		Yield Per Harvested Acre		Production	
	1980	1981	1980	1981	1980	1981
	Acres		Tons		Tons	
Northwest Dist. 1						
Becker (32)	16,000	13,300	6.3	10.3	100,800	137,000
Clay (62)	9,500	3,900	7.1	13.0	67,500	50,700
Clearwater (72)	3,600	3,500	6.9	9.8	24,800	34,300
Mahnomen (46)	11,500	7,500	5.2	10.6	59,800	79,500
Marshall (75)	8,900	2,600	8.6	10.2	76,500	26,500
Norman (54)	11,100	5,500	6.9	11.3	76,600	62,200
Polk (44)	7,000	6,600	6.9	12.5	48,300	82,500
Red Lake (82)	3,000	1,000	6.4	11.0	19,200	11,000
Roseau (64)	2,300	5,100	4.5	9.7	10,400	49,500
Other Counties	3,800	900	8.5	10.8	32,400	9,700
Total	76,700	49,900	6.7	10.9	516,300	542,900
North Cent. Dist. 2						
Beltrami (49)	5,700	6,100	8.8	12.0	50,200	73,200
Cass (65)	5,400	4,700	8.6	9.9	46,400	46,500
Hubbard (66)	4,900	4,500	10.7	10.2	52,400	45,900
Itasca (78)	2,800	2,000	10.2	9.8	28,600	19,600
Koochiching (70)	2,100	3,300	10.0	10.7	21,000	35,300
Lake of the Woods (81)	1,000	1,200	9.3	10.2	9,300	12,200
Total	21,900	21,800	9.5	10.7	207,900	232,700
Northeast Dist. 3						
St. Louis (80)	700	1,100	6.0	11.2	4,200	12,300
Total	700	1,100	6.0	11.2	4,200	12,300
West Cent. Dist. 4						
Big Stone (69)	6,700	3,200	11.9	11.6	79,700	37,100
Chippewa (57)	2,600	4,100	9.4	13.5	24,400	55,400
Douglas (24)	17,700	13,500	11.5	12.5	203,600	168,800
Grant (55)	5,800	4,500	10.9	13.8	63,200	62,100
Lac Qui Parle (39)	6,100	7,100	8.4	13.2	51,200	93,700
Otter Tail (02)	52,900	52,600	9.2	13.4	486,700	704,800
Pope (21)	16,000	13,300	12.9	13.2	206,400	175,600
Stevens (45)	12,500	5,600	11.2	14.3	140,000	80,100
Swift (38)	10,300	7,000	9.5	13.4	97,900	93,800
Traverse (61)	6,600	5,300	9.2	9.7	60,700	51,400
Wilkin (63)	2,800	3,900	7.2	12.9	20,200	50,300
Yellow Medicine (58)	12,400	4,200	14.0	13.0	173,600	54,600
Total	152,400	124,300	10.5	13.1	1,607,600	1,627,700
Central Dist. 5						
Benton (26)	17,700	15,400	10.6	10.5	187,600	161,700
Carver (18)	14,400	11,300	13.8	17.0	198,700	192,100
Kandiyohi (37)	14,300	7,800	12.4	13.6	177,300	106,100
McLeod (17)	12,800	11,800	15.6	17.6	199,700	207,700
Meeker (31)	12,100	11,200	14.8	13.5	179,100	151,200
Morrison (05)	28,400	23,700	11.4	12.9	323,800	305,700
Renville (51)	3,900	4,500	14.4	15.4	56,200	69,300
Scott (30)	13,600	8,700	11.9	17.6	161,800	153,100
Sherburne (42)	6,500	7,800	8.6	10.8	55,900	84,200
Sibley (16)	10,000	14,700	14.1	14.3	141,000	210,200
Stearns (01)	60,800	66,100	13.3	13.5	808,600	892,400
Todd (03)	37,700	38,600	8.9	12.1	335,500	467,100
Wadena (23)	8,200	12,400	12.6	13.7	103,300	169,900
Wright (10)	15,100	15,700	13.9	14.4	209,900	226,100
Total	255,500	249,700	12.3	13.6	3,138,400	3,396,800

CORN FOR SILAGE: MINNESOTA ACREAGE, YIELD AND PRODUCTION, BY COUNTY (CONTINUED)

District, County and County Rank in 1981 Production ()		Acreage Harvested		Yield Per Harvested Acre		Production	
		1980	1981	1980	1981	1980	1981
		Acres		Tons		Tons	
East Cent. Dist. 6							
Aitkin	(79)	2,600	2,100	11.9	8.2	30,900	17,200
Anoka	(74)	800	2,700	11.1	11.2	8,900	30,200
Carlton	(77)	800	2,100	9.1	9.6	7,300	20,200
Chisago	(48)	6,900	5,700	11.6	13.3	80,000	75,800
Crow Wing	(73)	4,700	3,700	10.2	8.6	47,900	31,800
Hennepin	(68)	3,300	3,000	13.7	14.8	45,200	44,400
Isanti	(71)	4,000	3,700	11.7	9.3	46,800	34,400
Kanabec	(22)	7,200	14,400	9.5	12.0	68,400	172,800
Mille Lacs	(35)	8,000	9,400	13.1	12.0	104,800	112,800
Pine	(11)	13,400	19,900	9.9	10.8	132,700	214,900
Ramsey	(84)	400	100	12.8	11.0	5,100	1,100
Washington	(76)	2,500	1,700	13.8	12.1	34,500	20,600
Total		54,600	68,500	11.2	11.3	612,500	776,200
Southwest Dist. 7							
Cottonwood	(12)	20,900	13,600	13.8	15.8	288,400	214,900
Jackson	(52)	6,500	4,500	17.4	15.1	113,100	68,000
Lincoln	(28)	14,000	14,900	11.2	10.7	156,800	159,400
Lyon	(20)	9,500	15,800	15.9	11.4	151,100	180,100
Murray	(06)	21,000	24,900	12.6	11.5	264,600	286,400
Nobles	(34)	20,500	8,100	12.6	14.0	258,300	113,400
Pipestone	(14)	20,300	16,100	14.5	13.2	294,400	212,500
Redwood	(40)	9,100	7,800	13.4	12.0	121,900	93,600
Rock	(15)	14,400	18,000	15.3	11.7	220,300	210,600
Total		136,200	123,700	13.7	12.4	1,868,900	1,538,900
South Cent. Dist. 8							
Blue Earth	(56)	2,200	6,800	16.8	8.5	37,000	57,800
Brown	(33)	8,700	8,100	14.0	15.1	121,800	122,300
Faribault	(60)	2,500	2,800	18.8	18.7	47,000	52,400
Freeborn	(43)	6,500	6,100	15.9	13.6	103,400	83,000
LeSueur	(53)	11,700	3,600	11.4	18.0	133,400	64,800
Martin	(47)	6,400	5,500	17.4	14.1	111,400	77,600
Nicollet	(36)	6,100	6,500	14.4	16.7	87,800	108,600
Rice	(27)	15,300	8,600	11.4	18.7	174,400	160,800
Steele	(41)	4,000	6,100	13.3	14.0	53,200	85,400
Waseca	(59)	5,300	3,500	15.5	15.6	82,200	54,600
Watonwan	(67)	3,000	3,500	13.5	12.8	40,500	44,800
Total		71,700	61,100	13.8	14.9	992,100	912,100
Southeast Dist. 9							
Dakota	(29)	10,800	9,500	12.2	16.4	131,800	155,800
Dodge	(50)	7,100	4,300	16.1	16.5	114,300	71,000
Fillmore	(08)	13,700	14,700	16.4	18.2	224,700	267,500
Goodhue	(09)	19,800	15,000	14.6	16.3	289,100	244,500
Houston	(13)	14,200	12,600	11.9	16.9	169,000	212,900
Mower	(25)	5,700	10,000	14.4	16.2	82,100	162,000
Olmsted	(04)	12,300	17,700	16.3	17.5	200,500	309,800
Wabasha	(19)	13,400	10,500	15.4	17.9	206,400	188,000
Winona	(07)	13,300	15,600	14.6	18.2	194,200	283,900
Total		110,300	109,900	14.6	17.2	1,612,100	1,895,400
STATE TOTAL		880,000	810,000	12.0	13.5	10,560,000	10,935,000

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

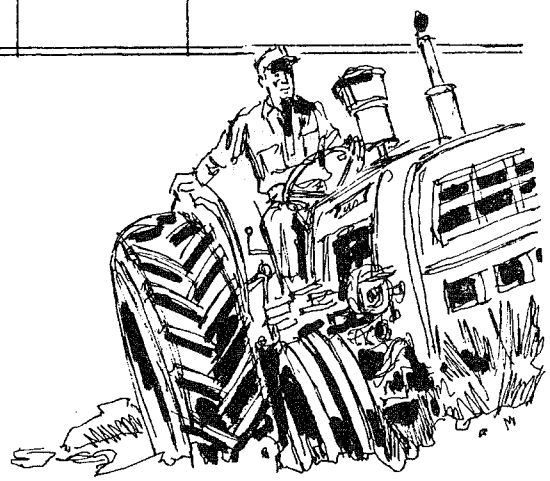
District, County and County Rank in 1981 Production	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (60)	4,400	6,200	4,400	6,200	17.0	25.0	73,600	155,000
Clay (44)	18,400	35,700	18,000	35,600	19.0	31.0	336,600	1,103,600
Kittson (69)	400	900	400	900	16.0	31.0	6,300	27,900
Mahnomen (71)	500	900	500	900	18.0	27.0	8,900	24,300
Marshall (52)	6,300	12,800	4,800	12,100	18.0	33.0	85,000	399,300
Norman (55)	5,800	10,500	5,800	10,500	18.0	31.0	102,800	325,500
Polk (59)	5,500	5,700	5,500	5,500	21.0	30.0	113,700	165,000
Red Lake (72)	0	800	0	500	0.0	29.0	0	14,500
Other Counties	200	400	200	400	17.0	25.0	3,400	9,900
Total	41,500	73,900	39,600	72,600	18.4	30.6	730,300	2,225,000
North Cent. Dist. 2								
Total	900	1,200	800	1,000	22.1	24.4	17,700	24,400
Northeast Dist. 3								
Total	0	0	0	0	0.0	0.0	0	0
West Cent. Dist. 4								
Big Stone (39)	43,100	53,500	42,800	53,500	24.0	27.0	1,011,200	1,444,500
Chippewa (28)	107,400	86,100	106,900	82,300	25.0	27.0	2,630,700	2,222,100
Douglas (49)	28,400	26,100	28,300	25,700	22.0	24.0	612,900	616,800
Grant (35)	53,200	57,800	50,600	57,700	24.0	28.0	1,195,400	1,615,600
Lac Qui Parle (17)	126,100	121,000	125,700	120,400	29.0	26.0	3,588,300	3,130,400
Otter Tail (33)	49,400	51,800	49,300	51,100	23.0	33.0	1,116,200	1,686,300
Pope (43)	38,000	37,000	37,800	36,600	26.0	32.0	967,500	1,171,200
Stevens (29)	50,200	61,900	50,000	61,600	29.0	33.0	1,427,300	2,032,800
Swift (22)	109,400	88,200	109,000	86,200	26.0	31.0	2,789,700	2,672,200
Traverse (37)	50,300	59,900	49,700	59,900	23.0	25.0	1,125,200	1,497,500
Wilkin (47)	41,800	30,900	40,400	30,900	22.0	28.0	874,900	865,200
Yellow Medicine (11)	156,100	134,000	155,200	132,400	33.0	33.0	5,194,400	4,369,200
Total	853,400	808,200	845,700	798,300	26.6	29.2	22,533,700	23,323,800
Central Dist. 5								
Benton (63)	5,600	4,200	5,600	4,200	25.0	25.0	137,800	105,000
Carver (46)	28,400	23,200	28,200	22,900	33.0	42.0	943,800	961,800
Kandiyohi (20)	97,600	85,600	97,400	85,300	30.0	33.0	2,876,300	2,814,900
McLeod (26)	86,900	69,600	86,700	69,200	33.0	33.0	2,901,700	2,283,600
Meeker (23)	80,900	72,000	80,500	70,400	32.0	36.0	2,535,800	2,534,400
Morrison (62)	3,000	4,100	2,500	4,000	17.0	28.0	41,800	112,000
Renville (03)	224,300	204,700	223,100	203,900	32.0	34.0	7,027,700	6,932,600
Scott (42)	36,600	31,800	36,400	31,700	29.0	37.0	1,039,100	1,172,900
Sherburne (53)	22,400	12,700	22,300	12,600	30.0	28.0	658,600	352,800
Sibley (12)	120,700	115,900	120,400	114,400	32.0	36.0	3,911,100	4,118,400
Stearns (45)	30,800	38,200	29,800	38,000	26.0	29.0	762,700	1,102,000
Todd (56)	9,000	9,800	8,900	9,600	29.0	27.0	254,100	259,200
Wadena (66)	2,500	2,000	2,500	2,000	25.0	32.0	61,500	64,000
Wright (38)	49,800	44,200	49,400	43,800	32.0	34.0	1,604,700	1,489,200
Total	798,500	718,000	793,700	712,000	31.2	34.1	24,756,700	24,302,800
East Cent. Dist. 6								
Aitkin (75)	500	500	500	400	19.0	18.0	9,300	7,200
Anoka (61)	6,200	5,900	6,000	5,900	28.0	25.0	165,400	147,500
Chisago (54)	17,700	15,400	17,600	15,000	26.0	23.0	450,500	345,000
Crow Wing (68)	1,600	2,400	1,600	2,300	20.0	20.0	31,500	46,000
Hennepin (50)	15,200	15,800	15,100	15,800	28.0	33.0	416,200	521,400
Isanti (58)	15,100	10,900	15,000	10,800	25.0	22.0	369,100	237,600
Kanabec (70)	1,200	1,000	1,200	1,000	22.0	25.0	26,000	25,000
Mille Lacs (65)	5,300	3,300	5,000	3,100	27.0	25.0	132,900	77,500
Pine (67)	3,600	2,900	3,500	2,600	21.0	18.0	72,400	46,800
Washington (48)	19,200	19,900	18,700	19,800	31.0	35.0	589,000	693,000
Other Counties	200	400	200	400	27.5	27.0	5,500	10,800
Total	85,800	78,400	84,400	77,100	26.9	28.0	2,267,800	2,157,800

SOYBEANS: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81 (CONTINUED)

District, County, and County Rank in 1981 Production ( )	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Southwest Dist. 7								
Cottonwood (05)	163,300	157,200	163,000	157,000	35.0	38.0	5,776,300	5,966,000
Jackson (02)	185,900	185,900	184,800	185,500	36.0	38.0	6,730,700	7,049,000
Lincoln (34)	51,200	52,500	50,600	52,500	28.0	32.0	1,394,700	1,680,000
Lyon (09)	137,200	132,200	132,900	132,200	29.0	34.0	3,793,900	4,494,800
Murray (08)	146,600	129,100	145,000	129,000	32.0	35.0	4,567,500	4,515,000
Nobles (06)	176,800	162,200	174,700	162,000	31.0	36.0	5,331,100	5,832,000
Pipestone (32)	46,600	54,500	46,500	54,400	34.0	31.0	1,602,100	1,686,400
Redwood (04)	231,400	210,100	229,700	204,800	33.0	31.0	7,687,800	6,348,800
Rock (19)	89,300	78,700	89,200	78,400	36.0	39.0	3,248,800	3,057,600
Total	1,228,300	1,162,400	1,216,400	1,155,800	33.0	35.2	40,132,900	40,629,600
South Cent. Dist. 8								
Blue Earth (14)	188,900	181,400	187,500	154,300	34.0	25.0	6,460,000	3,857,500
Brown (15)	131,700	126,000	130,700	116,200	35.0	30.0	4,631,700	3,486,000
Faribault (07)	190,600	176,600	189,800	156,900	36.0	31.0	6,912,900	4,863,900
Freeborn (13)	154,600	136,600	151,200	130,500	28.0	30.0	4,167,400	3,915,000
LeSueur (25)	71,200	65,500	70,500	65,400	29.0	35.0	2,012,500	2,289,000
Martin (01)	193,600	193,600	193,000	193,200	38.0	37.0	7,409,400	7,148,400
Nicollet (18)	97,900	89,200	97,700	88,000	35.0	35.0	3,462,200	3,080,000
Rice (31)	54,400	48,100	53,400	47,900	32.0	39.0	1,734,700	1,868,100
Steele (21)	80,900	74,900	80,700	74,600	34.0	37.0	2,780,400	2,760,200
Waseca (24)	85,900	78,500	85,800	73,600	34.0	34.0	2,956,100	2,502,400
Watonwan (16)	115,400	105,200	115,200	102,900	34.0	31.0	3,969,000	3,189,900
Total	1,365,100	1,275,600	1,355,500	1,203,500	34.3	32.4	46,496,300	38,960,400
Southeast Dist. 9								
Dakota (30)	53,000	56,200	52,900	55,500	28.0	35.0	1,458,100	1,942,500
Dodge (27)	65,900	63,200	65,700	62,700	36.0	36.0	2,392,900	2,257,200
Fillmore (41)	44,300	36,000	44,000	35,900	31.0	34.0	1,342,700	1,220,600
Goodhue (36)	52,100	44,800	51,800	44,800	31.0	35.0	1,580,700	1,568,000
Houston (64)	2,700	2,800	2,700	2,700	36.0	36.0	98,300	97,200
Mower (10)	146,500	125,100	145,000	124,600	29.0	36.0	4,139,300	4,485,600
Olmsted (40)	38,700	32,800	38,600	32,700	31.0	38.0	1,177,900	1,242,600
Wabasha (51)	15,700	13,800	15,600	13,700	35.0	37.0	552,800	506,900
Winona (57)	7,600	7,600	7,600	7,100	34.0	36.0	261,900	255,600
Total	426,500	382,300	423,900	379,700	30.7	35.8	13,004,600	13,576,200
STATE TOTAL	4,800,000	4,500,000	4,760,000	4,400,000	31.5	33.0	149,940,000	145,200,000

MINNESOTA ... A LEADER IN

U.S. SOYBEAN PRODUCTION



ALL WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District, County and County Rank In 1981 Production ( )	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (16)	76,800	72,400	73,500	71,700	34.6	42.1	2,544,700	3,018,900
Clay (5)	245,100	205,300	219,800	203,400	31.9	39.8	7,022,400	8,095,900
Clearwater (38)	10,600	13,500	6,400	12,700	24.4	30.9	156,100	392,000
Kittson (3)	279,700	277,500	177,800	277,000	23.3	41.4	4,145,100	11,470,600
Mahnomen (26)	40,700	33,300	35,300	32,500	32.7	37.9	1,155,900	1,231,600
Marshall (2)	392,100	391,600	262,500	389,600	21.3	43.5	5,582,500	16,963,600
Norman (4)	198,000	208,200	191,300	207,600	33.2	45.2	6,345,500	9,382,800
Pennington (9)	104,600	109,100	94,400	105,300	25.1	39.6	2,371,800	4,173,100
Polk (1)	417,700	416,400	387,600	414,200	25.4	44.4	9,838,600	18,406,900
Red Lake (21)	74,300	66,300	70,900	53,000	35.0	37.9	2,480,200	2,011,200
Roseau (6)	173,200	186,500	99,500	184,100	22.2	42.9	2,210,700	7,892,700
Total	2,012,800	1,980,100	1,619,000	1,951,100	27.1	42.6	43,853,500	83,039,300
North Cent. Dist. 2								
Beltrami (49)	10,000	7,800	6,400	7,200	15.2	27.9	97,000	200,700
Itasca (67)	700	1,600	700	1,600	28.3	37.4	19,800	59,900
Koochiching (65)	3,200	1,900	3,100	1,900	40.6	38.6	125,800	73,300
Lake of the Woods (35)	15,900	13,400	14,700	13,400	26.5	41.2	390,200	551,500
Other Counties	1,400	1,300	1,300	1,300	22.2	35.6	28,800	46,300
Total	31,200	26,000	26,200	25,400	25.3	36.7	661,600	931,700
Northeast Dist. 3								
Cook	0	0	0	0	0.0	0.0	0	0
Lake	0	0	0	0	0.0	0.0	0	0
St. Louis (71)	1,100	1,700	900	1,700	37.0	21.1	33,300	35,900
Total	1,100	1,700	900	1,700	37.0	21.1	33,300	35,900
West Cent. Dist. 4								
Big Stone (17)	72,600	88,000	71,200	87,500	37.5	32.5	2,667,800	2,842,600
Chippewa (18)	67,100	89,000	66,000	88,300	47.2	28.4	3,114,500	2,507,200
Douglas (29)	28,800	26,100	26,800	25,900	29.3	33.1	784,800	856,200
Grant (10)	107,800	104,600	103,800	104,200	36.1	39.9	3,743,300	4,159,300
Lac Qui Parle (13)	107,900	122,000	106,000	120,900	40.4	30.5	4,278,900	3,684,000
Otter Tail (15)	88,800	82,900	85,600	82,500	32.8	38.7	2,804,800	3,192,700
Pope (22)	40,300	41,500	39,400	41,200	34.1	39.5	1,344,700	1,626,700
Stevens (12)	84,000	92,800	82,200	92,200	41.1	42.7	3,381,000	3,938,300
Swift (14)	80,500	94,300	79,300	93,600	40.2	37.6	3,190,800	3,519,700
Traverse (11)	122,000	124,500	119,900	123,200	34.5	33.5	4,140,400	4,131,600
Wilkin (7)	168,900	143,700	163,100	143,100	34.7	36.6	5,659,000	5,235,000
Yellow Med. (19)	52,700	64,700	51,700	63,900	42.2	33.5	2,182,600	2,140,000
Total	1,021,400	1,074,100	995,000	1,066,500	37.5	35.5	37,292,600	37,833,300
Central Dist. 5								
Benton (70)	1,000	1,100	1,000	1,000	37.4	37.0	37,400	37,000
Carver (43)	5,400	7,200	5,200	6,900	40.9	46.2	212,900	318,800
Kandiyohi (20)	49,100	49,800	48,300	49,300	39.2	42.5	1,892,400	2,097,200
McLeod (24)	25,200	29,300	24,500	28,800	47.1	45.8	1,154,200	1,319,000
Meeker (28)	25,300	24,600	24,600	24,300	38.7	43.0	951,000	1,044,400
Morrison (68)	1,400	2,100	1,400	1,800	35.3	29.8	49,400	53,700
Renville (8)	100,900	98,200	95,900	96,300	43.1	43.7	4,135,900	4,206,700
Scott (40)	6,500	8,600	6,100	8,400	29.1	41.0	177,300	344,000
Sherburne (56)	3,800	5,100	3,600	4,900	34.6	29.6	124,400	145,100
Sibley (30)	20,400	19,400	19,700	18,800	46.0	43.7	906,300	822,400
Stearns (39)	9,700	11,500	9,300	11,100	38.1	34.5	354,300	383,100
Todd (47)	6,500	7,400	5,900	7,200	33.7	34.9	198,600	251,500
Wadena (69)	1,100	1,500	1,100	1,400	33.3	31.8	36,600	44,500
Wright (48)	6,300	6,200	6,100	6,100	31.3	37.7	190,700	230,000
Total	262,600	272,000	252,700	266,300	41.2	42.4	10,421,400	11,297,400

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81 (CONTINUED)

District, County and County Rank In 1981 Production ( )	Acreage Planted		Acreage Harvested		Yield Per Harv.Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (75)	900	1,000	900	800	36.7	34.1	33,000	27,300
Anoka (78)	600	600	600	500	33.3	32.8	20,000	16,400
Chisago (80)	400	500	400	500	37.5	26.6	15,000	13,300
Hennepin (57)	4,000	3,600	3,700	3,400	31.0	41.0	114,600	139,400
Isanti (76)	600	1,000	600	1,000	31.2	25.9	18,700	25,900
Mille Lacs (77)	600	600	600	600	31.0	37.5	18,600	22,500
Washington (60)	2,500	2,900	2,400	2,800	33.4	41.1	80,200	115,100
Other Counties	1,000	1,000	1,000	1,000	31.9	32.6	31,900	32,600
Total	10,600	11,200	10,200	10,600	32.5	37.0	332,000	392,500
Southwest Dist. 7								
Cottonwood (32)	11,800	18,000	11,400	17,500	46.7	40.3	532,000	705,400
Jackson (55)	2,200	4,000	2,100	4,000	41.9	39.5	87,900	158,100
Lincoln (23)	44,700	41,000	43,800	40,700	33.0	32.5	1,444,800	1,323,400
Lyon (27)	30,900	34,300	30,200	33,700	34.8	34.5	1,049,900	1,162,100
Murray (33)	12,700	19,400	12,400	19,100	40.7	30.3	505,200	578,200
Nobles (58)	3,800	3,400	3,700	3,400	36.4	39.9	134,800	135,800
Pipestone (50)	6,700	7,300	6,600	7,300	38.7	26.4	255,300	192,700
Redwood (25)	32,800	35,600	31,900	34,900	36.6	37.1	1,166,200	1,296,500
Rock (66)	3,700	2,300	3,600	2,300	38.5	28.7	138,700	66,000
Total	149,300	165,300	145,700	162,900	36.5	34.5	5,314,800	5,618,200
South Cent. Dist. 8								
Blue Earth (45)	11,600	15,200	11,300	8,600	42.5	31.0	480,700	266,500
Brown (36)	11,000	14,400	10,700	12,400	40.3	34.6	430,800	429,500
Faribault (51)	5,500	6,900	5,400	5,800	45.4	31.8	245,100	184,600
Freeborn (54)	3,300	3,900	3,100	3,700	36.0	43.1	111,700	159,400
LeSueur (31)	14,200	18,100	13,500	16,800	41.3	43.7	557,700	734,800
Martin (74)	400	1,000	400	900	44.0	33.4	17,600	30,100
Nicollet (37)	8,600	10,700	8,400	9,700	42.8	41.8	359,800	405,800
Rice (44)	7,000	7,500	6,800	7,100	42.1	42.0	286,100	298,000
Steele (41)	8,900	8,800	8,000	8,400	39.6	40.9	316,400	343,800
Waseca (52)	3,900	4,800	3,800	4,400	41.5	40.0	157,600	176,000
Watonwan (61)	3,000	3,200	3,000	3,100	43.6	36.7	130,700	113,900
Total	77,400	94,500	74,400	80,900	41.6	38.8	3,094,200	3,142,400
Southeast Dist. 9								
Dakota (34)	12,800	14,500	11,300	14,100	33.6	39.5	379,900	557,600
Dodge (53)	3,900	4,100	3,800	4,100	43.1	41.9	163,900	171,600
Fillmore (62)	5,300	2,900	5,000	2,900	36.4	34.4	182,200	99,800
Goodhue (46)	7,300	6,600	6,600	6,600	28.1	39.5	185,400	260,700
Houston (72)	900	1,000	800	1,000	34.3	35.0	27,400	35,000
Mower (42)	8,900	7,900	8,600	7,800	39.4	41.8	338,500	326,000
Olmsted (63)	2,900	2,600	2,600	2,600	29.1	34.0	75,700	88,500
Wabasha (64)	2,000	2,000	1,700	2,000	33.1	37.3	56,200	74,600
Winona (59)	4,600	3,500	4,500	3,500	31.9	34.4	143,400	120,500
Total	48,600	45,100	44,900	44,600	34.6	38.9	1,552,600	1,734,300
STATE TOTAL	3,615,000	3,670,000	3,169,000	3,610,000	32.4	39.9	102,556,000	144,025,000

SPRING WHEAT: MINNESOTA ACREAGE, YIELD, AND PRODUCTION, BY COUNTY

District, County and County Rank in 1981 Production ( )	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (16)	73,000	65,500	69,900	64,900	34.8	42.0	2,431,000	2,725,000
Clay (6)	198,000	159,000	181,500	158,400	32.5	39.4	5,902,000	6,243,000
Clearwater (42)	8,600	9,100	4,700	8,500	24.5	29.5	115,000	251,000
Kittson (3)	276,900	274,200	176,000	273,800	23.3	41.5	4,103,000	11,350,000
Mahnomen (26)	39,700	31,200	34,400	30,400	32.8	37.9	1,128,000	1,152,000
Marshall (2)	378,100	377,100	253,400	375,500	21.4	43.6	5,423,000	16,358,000
Norman (4)	193,100	201,200	187,300	200,700	33.2	45.3	6,217,000	9,088,000
Pennington (10)	101,400	104,500	91,400	101,100	25.2	39.8	2,303,000	4,023,000
Polk (1)	387,500	383,700	360,100	382,300	25.6	44.5	9,208,000	17,019,000
Red Lake (21)	73,000	64,300	69,900	51,400	35.1	38.0	2,455,000	1,954,000
Roseau (5)	162,300	162,600	91,400	160,400	22.5	43.7	2,057,000	7,012,000
Total	1,891,600	1,832,400	1,520,000	1,807,400	27.2	42.7	41,342,000	77,175,000
North Cent. Dist. 2								
Beltrami (47)	9,600	7,300	6,000	6,700	15.0	27.3	90,000	182,800
Itasca (65)	600	1,500	600	1,500	28.0	37.6	16,800	56,400
Koochiching (61)	3,200	1,900	3,100	1,900	40.6	38.6	125,800	73,300
Lake of Woods (34)	15,400	12,900	14,200	12,900	26.6	41.4	377,600	534,500
Other Counties	1,200	1,000	1,100	1,000	20.5	35.7	22,600	35,700
Total	30,000	24,600	25,000	24,000	25.3	36.8	632,800	882,700
Northeast Dist. 3								
Cook	---	---	---	---	----	----	---	---
Lake	---	---	---	---	----	----	---	---
St. Louis (68)	1,000	1,600	800	1,600	37.9	20.9	30,300	33,400
Total	1,000	1,600	800	1,600	37.9	20.9	30,300	33,400
West Cent. Dist. 4								
Big Stone (17)	69,600	84,100	68,300	83,700	37.4	32.5	2,552,000	2,719,000
Chippewa (18)	66,400	87,600	65,300	86,900	47.3	28.3	3,087,000	2,461,000
Douglas (29)	25,200	21,400	23,300	21,300	30.0	33.3	698,300	708,900
Grant (8)	106,000	101,900	102,100	101,500	36.1	40.0	3,689,000	4,063,000
LacQuiParle (13)	106,300	119,700	104,400	118,900	40.5	30.5	4,223,000	3,625,000
Otter Tail (15)	86,000	78,800	82,800	78,500	32.9	38.8	2,720,000	3,048,000
Pope (22)	39,900	40,800	39,000	40,500	34.1	39.5	1,331,800	1,600,000
Stevens (12)	82,600	91,000	80,800	90,400	41.2	42.8	3,330,000	3,868,000
Swift (14)	77,300	89,800	76,100	89,200	40.4	37.6	3,078,000	3,357,000
Traverse (11)	117,400	118,800	115,300	117,600	34.5	33.6	3,982,000	3,955,000
Wilkin (7)	164,900	139,000	159,100	138,500	34.7	36.6	5,527,200	5,064,100
Yellow Medicine (19)	51,200	62,900	50,200	62,100	42.4	33.5	2,126,000	2,081,000
Total	992,800	1,035,800	966,700	1,029,100	37.6	35.5	36,344,300	36,550,000
Central Dist. 5								
Carver (44)	3,500	4,700	3,400	4,600	41.7	47.8	141,700	220,100
Kandiyohi (20)	46,800	47,100	46,100	46,900	39.3	42.6	1,811,000	1,999,000
McLeod (25)	22,400	25,300	21,900	25,000	47.4	46.2	1,037,000	1,155,000
Meeker (28)	21,100	18,900	20,700	18,800	39.7	44.6	822,100	837,700
Morrison (70)	500	800	500	700	38.8	33.4	19,400	23,400
Renville (9)	98,100	94,100	93,400	92,500	43.3	43.9	4,043,000	4,059,100
Scott (46)	3,900	4,800	3,800	4,700	26.0	42.3	98,800	199,000
Sherburne (66)	1,500	1,600	1,500	1,600	34.5	27.4	51,800	43,800
Sibley (31)	16,700	13,800	16,300	13,700	46.9	45.5	763,800	623,400
Stearns (41)	6,500	7,200	6,400	7,100	38.3	35.4	245,000	251,300
Todd (45)	5,600	6,100	5,100	6,100	33.6	35.5	171,300	216,600
Wright (54)	4,200	3,100	4,000	3,100	29.1	41.5	116,300	128,700
Other Counties	600	600	600	600	35.8	34.8	21,500	20,900
Total	231,400	228,100	223,700	225,400	41.8	43.4	9,342,700	9,778,000

SPRING WHEAT: ACREAGE, YIELD, AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81 (CONTINUED)

District, County and County Rank in 1981 Production ( )	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (74)	500	500	500	400	38.2	35.0	19,100	14,000
Hennepin (57)	2,500	2,600	2,400	2,500	31.0	44.0	74,400	110,000
Isanti (75)	500	500	500	500	30.6	25.0	15,300	12,500
Washington (63)	1,500	1,600	1,400	1,500	31.5	40.3	44,100	60,400
Other Counties	1,600	1,600	1,600	1,600	32.7	32.5	52,300	52,000
Total	6,600	6,800	6,400	6,500	32.1	38.3	205,200	248,900
Southwest Dist. 7								
Cottonwood (30)	11,600	17,700	11,200	17,200	46.7	40.3	523,000	694,000
Jackson (52)	2,100	3,800	2,000	3,800	42.0	39.6	84,000	150,400
Lincoln (23)	42,800	38,700	42,000	38,600	32.9	32.6	1,383,000	1,260,000
Lyon (27)	30,400	33,700	29,700	33,100	34.8	34.6	1,034,000	1,144,000
Murray (33)	12,000	18,600	11,700	18,300	41.0	30.2	479,900	553,300
Nobles (56)	3,300	2,800	3,200	2,800	36.5	40.1	116,900	112,400
Pipestone (48)	6,300	6,800	6,200	6,800	38.5	26.5	238,700	179,900
Redwood (24)	31,000	33,600	30,100	33,000	36.6	37.3	1,102,000	1,232,000
Rock (64)	3,600	2,100	3,500	2,100	38.5	28.6	134,800	60,000
Total	143,100	157,800	139,600	155,700	36.5	34.6	5,096,300	5,386,000
South Cent. Dist. 8								
Blue Earth (43)	10,300	13,800	10,100	7,600	42.5	30.8	429,300	234,200
Brown (35)	9,800	12,900	9,600	11,000	40.5	35.1	388,800	386,400
Faribault (51)	4,700	5,900	4,600	4,900	45.5	32.0	209,300	156,900
Freeborn (53)	2,800	3,300	2,600	3,100	35.9	43.9	93,400	136,100
LeSueur (32)	11,600	14,400	11,100	13,500	42.2	43.8	467,900	591,200
Martin (71)	300	800	300	700	43.7	33.1	13,100	23,200
Nicollet (36)	7,400	9,800	7,300	8,800	43.0	42.0	313,900	369,300
Rice (39)	6,700	7,100	6,500	6,700	42.2	42.2	274,100	282,800
Steele (38)	7,300	7,600	6,400	7,300	39.5	41.0	252,800	299,500
Waseca (49)	3,300	4,300	3,200	3,900	41.4	40.4	132,400	157,500
Watonwan (58)	2,700	2,900	2,700	2,800	44.0	36.8	118,800	102,900
Total	66,900	82,800	64,400	70,300	41.8	39.0	2,693,800	2,740,000
Southeast Dist. 9								
Dakota (37)	8,100	8,500	6,800	8,400	32.0	42.1	217,600	353,800
Dodge (55)	2,900	3,000	2,800	3,000	43.2	42.3	120,900	127,000
Fillmore (60)	4,900	2,300	4,600	2,300	36.2	34.1	166,700	78,500
Goodhue (50)	4,900	3,800	4,400	3,800	29.0	41.4	127,400	157,500
Houston (72)	600	500	500	500	35.0	35.2	17,500	17,600
Mower (40)	7,900	6,400	7,600	6,400	40.0	42.6	303,800	272,700
Olmsted (62)	2,300	2,000	2,000	2,000	28.7	34.7	57,400	69,400
Wabasha (67)	1,200	1,000	1,000	1,000	34.0	39.8	34,000	39,800
Winona (59)	3,800	2,600	3,700	2,600	31.7	34.5	117,300	89,700
Total	36,600	30,100	33,400	30,000	34.8	40.2	1,162,600	1,206,000
STATE TOTAL	3,400,000	3,400,000	2,980,000	3,350,000	32.5	40.0	96,850,000	134,000,000

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District, County and County Rank in 1981 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (13)	33,500	33,500	26,100	29,700	36.1	59.8	943,500	1,776,400
Clay (23)	16,700	17,500	16,100	17,000	44.1	69.7	710,700	1,184,900
Clearwater (28)	20,400	22,400	13,600	20,400	27.5	55.0	374,500	1,122,000
Kittson (36)	11,500	16,000	10,100	14,800	40.2	56.3	405,700	833,200
Mahnomen (43)	18,900	13,400	17,800	12,200	49.0	63.0	873,000	768,600
Marshall (07)	36,600	39,000	30,000	37,700	28.6	58.6	858,000	2,209,200
Norman (18)	20,300	19,700	19,500	18,800	55.1	73.5	1,074,000	1,381,000
Pennington (24)	21,000	22,100	19,400	20,900	32.2	56.0	625,300	1,170,400
Polk (27)	18,900	18,200	14,100	17,500	41.3	64.1	582,400	1,122,100
Red Lake (60)	10,600	10,200	7,700	9,000	53.7	55.5	413,200	499,500
Roseau (05)	33,300	47,200	22,500	46,500	38.9	67.2	875,700	3,125,000
Total	241,700	259,200	196,900	244,500	39.3	62.1	7,736,000	15,192,300
North Cent. Dist. 2								
Beltrami (49)	17,500	17,200	10,000	14,000	29.6	50.9	296,000	713,000
Cass (81)	5,100	5,900	2,900	3,200	39.8	48.1	115,300	154,000
Hubbard (65)	10,300	11,900	5,500	8,700	25.2	44.0	138,700	382,800
Itasca (75)	5,700	8,100	3,100	5,600	41.3	48.9	127,900	273,800
Koochiching (72)	8,600	6,600	6,700	5,800	43.0	52.0	288,200	301,600
Lake of Woods (63)	8,600	10,100	5,900	8,700	45.4	52.5	267,900	456,700
Total	55,800	59,800	34,100	46,000	36.2	49.6	1,234,000	2,281,900
Northeast Dist. 3								
St. Louis (79)	7,200	7,200	4,600	4,600	49.6	45.4	228,200	208,900
Other Counties	200	200	100	100	50.0	45.0	5,000	4,500
Total	7,400	7,400	4,700	4,700	49.6	45.4	233,200	213,400
West Cent. Dist. 4								
Big Stone (52)	20,800	11,100	20,400	10,200	60.8	64.8	1,240,000	661,000
Chippewa (51)	10,500	12,900	10,200	11,700	71.7	57.5	731,500	672,600
Douglas (04)	58,100	53,700	56,500	51,500	44.1	62.8	2,491,000	3,234,000
Grant (57)	11,400	8,300	10,600	7,800	55.2	71.3	585,600	556,500
LacQuiParle (42)	20,600	14,500	20,200	13,100	56.2	58.8	1,135,000	770,300
Otter Tail (01)	137,800	121,800	126,100	116,800	41.5	58.2	5,232,000	6,797,800
Pope (06)	48,100	42,400	46,600	41,000	59.6	70.6	2,777,000	2,894,600
Stevens (29)	14,700	15,700	13,600	15,300	71.0	71.6	965,200	1,095,500
Swift (20)	19,300	18,700	19,000	18,300	58.3	68.9	1,108,000	1,261,000
Traverse (44)	15,100	12,100	14,200	11,800	55.9	64.0	793,800	755,200
Wilkin (58)	9,400	9,600	7,600	8,800	40.8	63.0	309,900	554,400
Yellow Medicine (32)	13,900	15,800	12,300	14,200	68.7	63.3	845,000	898,800
Total	379,700	336,600	357,300	320,500	51.0	62.9	18,214,000	20,151,700
Central Dist. 5								
Benton (37)	18,900	14,700	17,300	13,400	60.5	61.0	1,046,000	817,800
Carver (25)	13,800	15,100	12,300	13,300	72.0	85.3	886,200	1,134,000
Kandiyohi (09)	34,500	31,600	32,900	30,800	68.6	68.0	2,257,000	2,095,000
McLeod (19)	19,700	17,700	17,200	17,000	77.6	76.7	1,334,000	1,304,000
Meeker (26)	21,500	18,200	19,100	16,600	62.6	68.2	1,195,000	1,132,000
Morrison (10)	38,200	34,700	35,400	33,500	61.4	61.2	2,172,000	2,050,000
Renville (15)	18,800	24,700	17,700	23,200	75.3	71.1	1,333,000	1,650,000
Scott (53)	10,600	9,900	9,400	8,700	42.5	74.6	399,200	649,000
Sherburne (78)	4,300	5,800	4,000	5,400	54.5	45.0	217,900	243,000
Sibley (30)	13,900	13,400	12,800	11,900	71.2	86.7	911,700	1,031,700
Stearns (02)	93,800	97,500	89,300	90,800	65.4	68.3	5,840,000	6,202,500
Todd (03)	58,500	60,300	55,100	56,600	52.3	57.8	2,881,000	3,269,000
Wadena (35)	16,600	17,600	14,700	15,400	47.3	54.2	695,800	834,700
Wright (11)	26,900	29,500	24,000	28,200	64.8	70.3	1,555,000	1,981,900
Total	390,000	390,700	361,200	364,800	62.9	66.9	22,723,800	24,394,600

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81 (CONTINUED)

District, County and County Rank in 1981 Production ( )	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
East Cent. Dist. 6								
Aitkin (80)	4,000	5,800	2,500	3,800	48.6	46.2	121,500	175,700
Carlton (71)	8,200	8,900	6,100	6,600	37.1	49.5	226,400	326,700
Chisago (68)	10,000	8,300	7,800	7,500	62.7	47.3	488,700	355,100
Crow Wing (73)	6,600	6,700	6,000	5,800	52.9	49.9	317,600	289,400
Hennepin (67)	7,200	5,500	5,900	4,900	61.3	78.0	361,600	382,200
Isanti (66)	6,300	7,000	5,800	6,400	53.1	59.8	308,100	382,500
Kanabec (59)	10,800	10,100	9,600	9,100	64.6	57.7	620,000	525,300
Mille Lacs (41)	12,400	13,500	10,400	12,300	67.4	63.2	701,100	777,600
Pine (48)	16,000	17,100	14,200	14,100	58.2	51.6	827,100	727,800
Washington (69)	10,300	6,300	9,000	6,000	61.3	56.0	551,500	335,900
Other Counties	2,100	2,700	1,700	2,000	54.4	47.8	92,400	95,500
Total	93,900	91,900	79,000	78,500	58.4	55.7	4,616,000	4,373,700
Southwest Dist. 7								
Cottonwood (62)	8,200	8,600	7,500	7,200	71.8	65.2	538,600	469,400
Jackson (70)	6,400	6,200	5,900	5,300	70.2	62.0	413,900	328,400
Lincoln (21)	28,500	26,300	23,800	22,100	52.1	56.7	1,240,000	1,253,000
Lyon (46)	25,300	19,900	22,700	15,900	61.5	46.3	1,396,000	736,300
Murray (34)	24,600	21,100	21,100	18,500	64.5	45.5	1,360,000	841,800
Nobles (39)	13,800	14,000	11,500	11,800	60.5	67.3	696,100	794,200
Pipestone (45)	27,800	23,900	24,300	16,900	61.7	44.1	1,500,000	745,400
Redwood (50)	12,800	13,500	11,600	11,400	74.7	62.2	866,400	709,100
Rock (55)	16,900	18,200	13,000	11,200	71.9	52.7	935,000	590,300
Total	164,300	151,700	141,400	120,300	63.3	53.8	8,946,000	6,467,900
South Cent. Dist. 8								
Blue Earth (82)	6,700	6,100	5,800	2,600	73.1	51.3	424,000	133,400
Brown (56)	17,700	14,800	14,800	11,000	75.5	51.5	1,117,000	567,000
Faribault (74)	6,800	6,600	6,200	4,600	73.8	60.1	457,700	276,500
Freeborn (54)	12,900	13,600	11,900	12,100	62.0	51.4	738,300	622,400
LeSueur (76)	5,200	4,700	3,600	3,600	58.3	73.9	210,000	265,900
Martin (61)	9,200	7,900	7,100	6,700	78.9	73.5	560,200	492,500
Nicollet (64)	9,600	9,100	8,600	7,000	83.2	60.5	715,200	423,500
Rice (40)	14,100	12,500	13,000	10,600	67.3	73.7	874,800	780,900
Steele (47)	8,700	10,700	8,200	9,400	67.5	77.9	553,400	732,300
Waseca (77)	4,900	4,400	4,200	3,400	75.0	76.0	314,800	258,400
Watonwan (83)	4,500	3,800	3,900	2,300	74.8	50.7	291,600	116,600
Total	100,300	94,200	87,300	73,300	71.7	63.7	6,257,000	4,669,400
Southeast Dist. 9								
Dakota (38)	13,400	13,400	12,400	11,800	59.2	68.5	733,600	807,800
Dodge (31)	13,100	13,000	12,300	12,000	74.4	74.9	914,900	898,900
Fillmore (08)	32,900	36,300	27,900	30,200	59.7	70.7	1,665,000	2,136,000
Goodhue (12)	33,300	29,700	27,200	25,500	72.3	72.6	1,966,000	1,851,000
Houston (33)	16,700	18,100	12,800	14,600	66.4	60.7	849,500	886,200
Mower (22)	27,900	17,800	23,700	16,600	67.0	72.6	1,589,000	1,205,300
Olmsted (14)	25,100	26,200	23,600	24,200	65.9	69.1	1,555,000	1,672,000
Wabasha (16)	28,300	26,300	25,300	21,500	74.0	69.4	1,871,000	1,492,100
Winona (17)	26,200	27,700	22,900	21,000	67.5	66.5	1,546,000	1,395,800
Total	216,900	208,500	188,100	177,400	67.5	69.6	12,690,000	12,345,100
STATE TOTAL	1,650,000	1,600,000	1,450,000	1,430,000	57.0	63.0	82,650,000	90,090,000

BARLEY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District, County and County Rank in 1981 Production	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (06)	45,600	56,800	45,300	56,400	50.5	61.4	2,285,800	3,465,000
Clay (04)	78,100	93,400	75,000	91,700	50.4	60.7	3,780,000	5,565,000
Clearwater (18)	4,300	5,200	3,600	5,000	30.0	45.4	108,000	227,000
Kittson (09)	42,800	43,200	31,500	42,800	28.6	55.7	900,900	2,384,000
Mahnomen (07)	31,100	50,400	30,800	49,900	39.4	54.7	1,213,500	2,729,000
Marshall (03)	99,300	105,500	78,500	102,400	30.5	56.3	2,394,300	5,764,000
Norman (02)	75,700	105,900	75,000	105,800	41.6	60.0	3,120,000	6,352,000
Pennington (08)	54,500	52,500	49,200	51,700	32.4	50.9	1,594,100	2,634,000
Polk (01)	155,700	160,500	144,000	159,700	38.3	61.6	5,515,000	9,844,600
Red Lake (13)	24,200	38,000	19,000	35,900	45.1	48.7	856,900	1,748,000
Roseau (12)	41,200	42,800	25,800	39,300	37.2	52.6	959,800	2,066,000
Total	652,500	754,200	577,700	740,600	39.3	57.8	22,728,300	42,778,600
North Cent. Dist. 2								
Beltrami (21)	4,800	4,900	3,400	4,600	29.0	40.0	98,600	184,000
Hubbard (23)	4,000	4,000	3,200	3,700	26.4	36.0	84,500	133,200
Koochiching (29)	1,800	1,800	1,600	1,800	52.9	45.0	84,600	81,000
Lake of the Woods (20)	4,300	4,400	2,800	4,100	40.5	48.1	113,400	197,100
Other Counties	900	900	700	900	38.4	41.2	26,900	37,100
Total	15,800	16,000	11,700	15,100	34.9	41.9	408,000	632,400
Northeast Dist. 3								
St. Louis (31)	1,800	1,800	1,600	1,800	39.1	38.2	62,600	68,800
Total	1,800	1,800	1,600	1,800	39.1	38.2	62,600	68,800
West Cent. Dist. 4								
Big Stone (16)	7,600	14,100	7,500	14,000	46.8	49.9	351,000	698,000
Chippewa (30)	1,900	2,100	1,800	1,900	50.2	41.0	90,300	77,900
Douglas (17)	10,800	14,300	10,000	13,400	48.0	43.5	480,000	583,400
Grant (11)	26,700	39,300	26,400	39,100	53.5	54.1	1,413,000	2,117,000
Lac Qui Parle (25)	500	1,900	500	1,900	50.4	52.8	25,200	100,400
Otter Tail (10)	36,800	40,700	36,000	40,600	45.3	55.5	1,631,000	2,253,000
Pope (24)	3,600	3,100	3,600	3,000	54.5	40.2	196,200	120,600
Stevens (15)	17,200	22,100	17,100	21,800	57.9	56.4	990,200	1,230,000
Swift (22)	3,300	3,200	3,300	3,100	55.5	46.5	183,000	144,000
Traverse (14)	28,600	24,600	28,200	24,500	52.2	52.9	1,471,000	1,296,000
Wilkin (05)	66,900	80,000	65,600	79,000	51.9	51.7	3,405,000	4,085,000
Yellow Medicine (37)	600	800	500	800	49.4	45.0	24,700	36,000
Total	204,500	246,200	200,500	243,100	51.2	52.4	10,260,600	12,741,300
Central Dist. 5								
Carver (44)	600	500	500	500	43.0	53.2	21,500	26,600
Kandiyohi (35)	1,200	1,200	1,100	1,100	42.4	53.2	46,600	58,500
Renville (26)	500	1,800	500	1,700	55.2	58.0	27,600	98,600
Stearns (27)	3,200	2,500	3,000	2,300	54.6	41.0	163,800	94,400
Todd (38)	1,300	1,000	1,200	900	45.0	38.4	54,000	34,600
Wadena (41)	800	700	800	700	41.5	40.0	33,200	28,000
Other Counties	1,900	2,100	1,900	2,100	44.4	52.7	84,400	110,700
Total	9,500	9,800	9,000	9,300	47.9	48.5	431,100	451,400
East Cent. Dist. 6								
Aitkin (39)	500	800	300	800	42.3	41.8	12,700	33,400
Carlton (47)	600	900	300	800	33.7	31.5	10,100	25,200
Chisago (50)	200	500	200	500	43.5	41.6	8,700	20,800
Other Counties	1,400	2,200	1,300	2,200	35.8	43.0	46,500	94,500
Total	2,700	4,400	2,100	4,300	37.1	40.4	78,000	173,900
Southwest Dist. 7								
Lincoln (28)	1,900	2,200	1,800	2,000	45.7	41.4	82,300	82,700
Lyon (36)	600	800	600	800	43.7	50.0	26,200	40,000
Nobles (40)	400	500	400	500	50.5	58.0	20,200	29,000
Other Counties	1,000	1,500	1,000	1,500	47.8	49.0	47,800	73,500
Total	3,900	5,000	3,800	4,800	46.4	46.9	176,500	225,200

BARLEY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81 (CONTINUED)

District, County and County Rank in 1981 Production	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
South Cent. Dist. 8	Acres		Acres		Bushels		Bushels	
Blue Earth (51)	700	700	600	600	56.5	30.0	33,900	18,000
Rice (42)	800	600	700	500	56.1	54.8	39,300	27,400
Other Counties	1,500	1,200	1,400	1,200	54.6	54.8	76,500	65,800
Total	3,000	2,500	2,700	2,300	55.4	48.3	149,700	111,200
Southeast Dist. 9								
Dakota (34)	300	1,200	300	1,100	48.7	54.0	14,600	59,400
Fillmore (45)	400	500	200	500	60.0	51.6	12,000	25,800
Goodhue (19)	2,500	4,500	2,300	3,400	59.5	59.9	136,900	203,700
Houston (43)	200	500	200	500	53.0	53.6	10,600	26,800
Wabasha (33)	1,100	1,200	1,100	1,100	60.5	55.5	66,600	61,100
Winona (32)	1,100	1,200	1,100	1,100	59.3	56.2	65,200	61,800
Other Counties	700	1,000	700	1,000	53.3	58.6	37,300	58,600
Total	6,300	10,100	5,900	8,700	58.2	57.1	343,200	497,200
STATE TOTAL	900,000	1,050,000	815,000	1,030,000	42.5	56.0	34,638,000	57,680,000

MINNESOTA BARLEY VARIETIES

An estimated 96% of Minnesota's barley acreage was seeded to varieties recommended for malting by the Malting Barley Improvement Association. Morex remains the leading variety while Glenn has reached second place. Numbers 3 and 4, Larker and Manker, continue to decline in popularity. Morex was seeded on 65% of Minnesota's barley acreage in 1981. Last year, 66% of the acreage was in Morex and in 1979 only 35%. Acreage planted to Glenn increased from 4% of the acreage in 1980 to 20% in 1981. Larker and Manker, which were major varieties for a number of years, comprise only 11% of the acres in 1981 compared to 25% last year and 58% the year before. The next leading variety, which comprises only 1% of the acreage in 1981, is Bumper. Bumper also had 1% of the 1980 acreage. It is not a variety recommended for malting by the Malting Barley Improvement Association.

Other and unknown varieties are again 3% of Minnesota's barley acreage. Included under other varieties are Beacon, Bonanza, Park, Klages, Betzes, and Conquest, which are recommended for malting. Varieties not recommended for malting include Cree, Nordic, Valley, and Primus.

BARLEY VARIETIES: PERCENT OF ACREAGE SEEDED TO EACH VARIETY

Variety	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
	Percent									
Morex	---	---	---	---	---	---	---	35	66	65
Glenn	---	---	---	---	---	---	---	---	4	20
Larker	85	82	75	73	67	74	65	43	15	8
Manker	---	---	---	---	21	18	24	15	10	3
Bumper	---	---	---	---	---	---	---	---	1	1
Beacon	---	---	10	12	6	2	2	2	1	1/
Nordic	4	6	5	7	3	2	1	2	1/	1/
Bonanza	2	4	4	3	1	1	1	---	1/	1/
Conquest	3	2	1	1	---	---	---	---	---	1/
Cree	---	4	2	1	---	---	---	---	---	1/
Dickson	3	1	1	---	---	---	---	---	1/	---
Others and Unknown	3	1	2	3	2	3	7	3	3	3

BARLEY VARIETIES BY SELECTED CROP REPORTING DISTRICTS, 1981

District	All Barley Plantings	Percentage of Acreage Seeded to Each Variety					
		Morex	Glenn	Larker	Manker	Bumper	All Others and Unknown
	000 Acres	Percent					
Northwest District	754.2	61	23	8	4	1	3
West Central District	246.2	78	11	7	1/	1	3
All Other Districts	49.6	71	10	6	6	1	6
STATE TOTAL	1,050.0	65	20	8	3	1	3

1/ Less than 1%, included in other varieties.

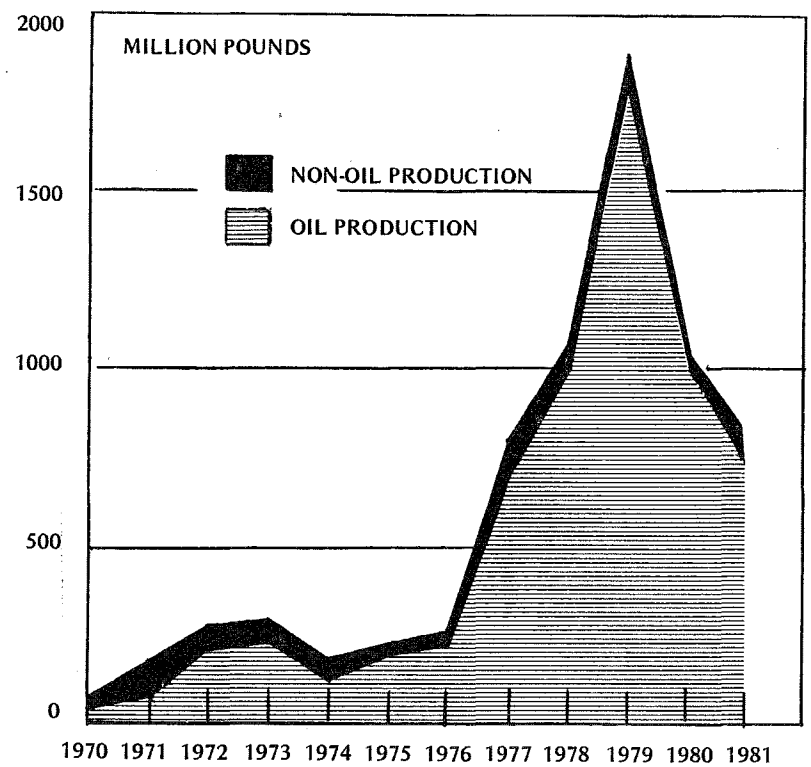
ALL SUNFLOWER SEED: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1980-81

District, County and County Rank in 1981 Production	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Pounds		Pounds	
Northwest Dist. 1								
Becker (07)	38,000	32,800	37,800	32,800	1,304.0	1,453.0	49,291,000	47,670,000
Clay (05)	92,000	49,800	91,700	49,500	1,288.0	1,053.0	118,110,000	52,140,000
Clearwater (19)	5,300	6,500	4,900	6,500	947.0	1,062.0	4,640,000	6,900,000
Kittson (09)	38,900	38,800	29,000	36,400	1,065.0	1,032.0	30,885,000	37,580,000
Mahnomen (15)	14,900	17,600	14,700	17,600	1,064.0	1,115.0	15,641,000	19,628,000
Marshall (03)	70,600	59,100	63,300	57,900	914.0	1,140.0	57,856,000	65,984,000
Norman (02)	93,200	76,700	91,800	75,900	1,268.0	1,264.0	116,402,000	95,918,000
Pennington (04)	39,100	49,700	38,900	49,200	1,145.0	1,133.0	44,541,000	55,736,000
Polk (01)	112,100	95,200	111,000	93,900	1,155.0	1,167.0	128,232,000	109,586,000
Red Lake (11)	36,000	31,900	35,100	29,400	1,381.0	954.0	48,473,000	28,049,000
Roseau (08)	40,300	39,200	39,100	39,200	940.0	1,209.0	36,754,000	47,383,000
Total	580,400	497,300	557,300	488,300	1,168.0	1,160.0	650,825,000	566,574,000
North Cent. Dist. 2								
Beltrami (23)	1,600	4,500	1,500	4,500	1,200.0	1,161.0	1,800,000	5,225,000
Hubbard (33)	300	1,000	300	1,000	1,250.0	1,200.0	375,000	1,200,000
Koochiching (36)	2,000	600	1,800	600	1,450.0	1,325.0	2,610,000	795,000
Lake of the Woods (26)	1,300	1,800	1,200	1,800	1,350.0	1,250.0	1,620,000	2,250,000
Other Counties	700	0	600	0	1,240.0	0.0	744,000	0
Total	5,900	7,900	5,400	7,900	1,324.0	1,199.0	7,149,000	9,470,000
Northeast Dist. 3								
Total	100	0	100	0	1,200.0	0.0	120,000	0
West Cent. Dist. 4								
Big Stone (16)	22,200	16,000	21,900	15,800	1,300.0	1,150.0	28,470,000	18,165,000
Chippewa (21)	1,000	5,000	900	4,600	1,350.0	1,250.0	1,215,000	5,750,000
Douglas (24)	6,000	5,000	5,900	4,900	1,200.0	1,050.0	7,080,000	5,145,000
Grant (14)	24,900	19,800	24,200	19,600	1,150.0	1,200.0	27,830,000	23,520,000
Lac Qui Parle (27)	2,800	2,000	2,700	1,900	1,250.0	1,050.0	3,375,000	1,995,000
Otter Tail (17)	22,400	17,100	22,100	16,800	1,275.0	1,012.0	28,178,000	17,000,000
Pope (20)	9,200	4,900	9,100	4,900	1,230.0	1,338.0	11,193,000	6,556,000
Stevens (12)	31,100	22,200	30,800	22,000	1,225.0	1,250.0	37,730,000	27,500,000
Swift (13)	16,500	21,800	16,400	20,200	1,300.0	1,350.0	21,320,000	27,270,000
Traverse (10)	51,900	37,400	51,600	28,500	1,325.0	1,049.0	68,370,000	29,895,000
Wilkin (06)	82,600	50,900	79,400	50,200	950.0	982.0	75,430,000	49,273,000
Yellow Medicine (18)	5,200	5,600	4,800	5,500	1,250.0	1,400.0	6,000,000	7,700,000
Total	275,800	207,700	269,800	194,900	1,172.0	1,128.0	316,191,000	219,769,000
Central Dist. 5								
Kandiyohi (29)	2,000	1,300	2,000	1,300	1,300.0	1,300.0	2,600,000	1,690,000
Renville (25)	5,400	3,200	5,200	3,200	1,500.0	1,300.0	7,800,000	4,160,000
Stearns (22)	4,000	4,300	3,900	4,300	1,550.0	1,300.0	6,045,000	5,590,000
Todd (39)	3,000	500	3,000	500	1,500.0	1,350.0	4,500,000	675,000
Other Counties	4,900	1,300	4,800	1,300	1,410.0	1,281.0	6,770,000	1,665,000
Total	19,300	10,600	18,900	10,600	1,466.0	1,300.0	27,715,000	13,780,000
East Cent. Dist. 6								
Crow Wing (30)	1,100	1,400	1,100	1,400	1,300.0	1,100.0	1,430,000	1,540,000
Isanti (34)	2,600	900	2,600	900	1,175.0	1,100.0	3,055,000	990,000
Other Counties	3,200	1,200	3,200	1,200	1,205.0	1,096.0	3,855,000	1,315,000
Total	6,900	3,500	6,900	3,500	1,209.0	1,099.0	8,340,000	3,845,000

ALL SUNFLOWER SEED: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1980-81 (CONTINUED)

District, County and County Rank in 1981 Production	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Pounds		Pounds	
Southwest Dist. 7								
Jackson (37)	900	600	900	600	1,300.0	1,200.0	1,170,000	720,000
Lincoln (28)	6,900	1,300	6,900	1,300	1,100.0	1,500.0	7,590,000	1,950,000
Lyon (31)	1,600	1,000	1,600	1,000	1,400.0	1,350.0	2,240,000	1,350,000
Murray (35)	1,000	600	1,000	600	1,400.0	1,400.0	1,400,000	840,000
Pipestone (32)	600	1,100	600	1,100	1,500.0	1,200.0	900,000	1,320,000
Other Counties	1,700	1,100	1,700	1,100	1,453.0	1,350.0	2,470,000	1,485,000
Total	12,700	5,700	12,700	5,700	1,242.0	1,345.0	15,770,000	7,665,000
South Cent. Dist. 8								
Blue Earth (47)	1,300	500	1,300	300	1,500.0	850.0	1,950,000	255,000
LeSueur (41)	5,700	500	5,700	500	1,450.0	1,000.0	8,265,000	500,000
Other Counties	2,600	900	2,600	900	1,437.0	1,302.0	3,735,000	1,172,000
Total	9,600	1,900	9,600	1,700	1,453.0	1,134.0	13,950,000	1,927,000
Southeast Dist. 9								
Total	9,300	400	9,300	400	1,456.0	1,300.0	13,540,000	520,000
STATE TOTAL	920,000	735,000	890,000	713,000	1,184.0	1,155.0	1,053,600,000	823,550,000

MINNESOTA SUNFLOWER PRODUCTION



ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District, County and County Rank in 1981 Production	Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981
	Acres		Tons		Tons	
Northwest Dist. 1						
Becker (15)	76,700	59,600	1.3	2.3	99,700	137,700
Clay (43)	22,600	22,100	2.1	3.1	48,100	67,800
Clearwater (24)	47,400	43,800	0.8	2.5	39,400	108,300
Kittson (78)	15,800	12,200	0.7	2.5	11,700	30,500
Mahnomen (36)	24,300	25,900	1.5	3.3	35,500	84,200
Marshall (28)	35,800	39,400	0.9	2.6	30,700	101,800
Norman (52)	19,500	21,100	1.7	2.9	32,200	61,100
Pennington (55)	29,900	23,500	1.2	2.4	34,900	55,700
Polk (26)	39,600	44,000	1.3	2.4	51,400	105,900
Red Lake (76)	18,600	14,200	1.0	2.3	19,400	32,800
Roseau (13)	67,700	63,600	0.8	2.3	52,800	143,400
Total	397,900	369,400	1.1	2.5	455,800	929,200
North Cent. Dist. 2						
Beltrami (27)	57,500	54,100	1.3	1.9	72,800	104,000
Cass (32)	52,600	50,900	1.0	1.8	53,200	92,200
Hubbard (37)	34,100	38,000	0.9	2.0	30,700	77,300
Itasca (23)	40,000	49,000	1.0	2.2	38,400	108,800
Koochiching (53)	29,100	27,100	1.0	2.1	28,200	57,000
Lake of the Woods (62)	21,600	24,000	1.4	2.1	29,400	50,000
Total	234,900	243,100	1.1	2.0	252,700	489,300
Northeast Dist. 3						
Cook (87)	600	800	0.8	1.5	500	1,200
Lake (85)	2,600	1,700	1.0	1.6	2,700	2,700
St. Louis (29)	62,900	69,200	1.1	1.4	68,700	99,700
Total	66,100	71,700	1.1	1.4	71,900	103,600
West Cent. Dist. 4						
Big Stone (70)	12,500	12,000	2.4	3.2	29,600	38,900
Chippewa (80)	9,200	8,800	2.6	2.8	24,300	24,500
Douglas (20)	44,000	42,700	3.0	2.8	133,000	120,500
Grant (77)	11,300	11,300	3.0	2.8	33,900	31,500
Lac Qui Parle (75)	15,400	13,800	3.2	2.5	49,200	34,200
Otter Tail (02)	181,600	169,500	2.2	2.5	404,700	428,900
Pope (33)	35,000	30,800	3.3	2.9	116,000	89,600
Stevens (74)	12,100	9,400	2.6	3.8	31,500	36,100
Swift (66)	14,100	15,700	3.3	2.6	45,900	41,400
Traverse (82)	9,800	8,700	2.2	2.7	21,800	23,300
Wilkin (67)	14,400	15,900	1.8	2.6	26,200	41,300
Yellow Medicine (61)	16,700	16,300	3.1	3.1	51,800	51,200
Total	376,100	354,900	2.6	2.7	967,900	961,400
Central Dist. 5						
Benton (17)	46,400	42,400	3.1	3.0	144,200	127,300
Carver (16)	33,100	32,400	3.8	4.0	125,800	128,000
Kandiyohi (22)	34,900	29,800	2.7	3.7	93,600	109,000
McLeod (25)	27,500	25,700	3.4	4.2	92,300	107,200
Meeker (34)	26,500	27,100	3.1	3.3	82,400	88,700
Morrison (07)	90,800	81,100	2.5	2.6	228,700	212,500
Renville (65)	11,000	11,500	3.2	4.0	35,700	46,300
Scott (39)	21,200	21,100	2.7	3.6	56,400	75,800
Sherburne (60)	18,900	19,200	2.7	2.7	51,400	52,600
Sibley (38)	20,600	20,500	3.1	3.7	64,800	76,700
Stearns (01)	147,100	139,800	3.2	3.6	470,300	509,400
Todd (04)	103,500	92,100	2.2	2.8	232,000	257,800
Wadena (18)	56,900	56,300	2.1	2.2	118,700	126,200
Wright (12)	50,300	52,100	3.4	3.6	171,800	187,200
Total	688,700	651,100	2.9	3.2	1,968,100	2,104,700

ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81 (CONTINUED)

District, County and County Rank in 1981 Production	Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981
	Acres		Tons		Tons	
East Cent. Dist. 6						
Aitkin (19)	63,800	65,700	1.4	1.9	90,900	123,200
Anoka (73)	15,400	12,800	2.0	2.9	30,200	36,700
Carlton (30)	44,600	52,900	1.4	1.9	63,500	99,400
Chisago (42)	28,200	25,100	2.4	2.7	69,000	68,200
Crow Wing (59)	28,200	26,800	1.5	2.0	41,300	53,300
Hennepin (41)	23,900	18,800	2.7	3.7	64,000	69,300
Isanti (56)	21,000	19,000	3.1	2.9	65,300	55,600
Kanabec (31)	35,500	37,200	1.9	2.5	67,500	93,900
Mille Lacs (21)	38,600	39,500	2.6	3.0	101,700	117,200
Pine (11)	81,700	84,700	1.8	2.2	150,800	189,200
Ramsey (86)	1,600	800	1.8	2.4	2,900	1,900
Washington (51)	22,700	21,900	2.7	2.8	61,900	61,900
Total	405,200	405,200	2.0	2.4	809,000	969,800
Southwest Dist. 7						
Cottonwood (71)	11,000	11,900	3.6	3.2	39,400	38,500
Jackson (79)	10,700	8,500	3.6	2.9	38,900	24,800
Lincoln (50)	28,100	27,000	3.0	2.3	83,500	62,100
Lyon (57)	22,300	22,300	2.8	2.5	62,100	55,600
Murray (46)	21,900	21,300	3.7	3.1	81,800	67,000
Nobles (58)	17,300	16,500	3.5	3.3	61,200	53,900
Pipestone (49)	24,000	22,300	3.3	2.8	79,400	62,200
Redwood (68)	12,700	12,800	3.4	3.1	43,000	39,900
Rock (54)	19,900	18,500	3.2	3.0	63,400	56,200
Total	167,900	161,100	3.3	2.9	552,700	460,200
South Cent. Dist. 8						
Blue Earth (84)	7,200	7,000	3.2	3.3	23,100	23,000
Brown (47)	19,200	18,200	3.8	3.6	72,300	65,800
Faribault (81)	8,500	7,300	3.7	3.3	31,500	24,000
Freeborn (63)	14,800	14,600	3.7	3.2	55,300	47,400
LeSueur (44)	21,300	18,800	3.0	3.6	63,100	67,500
Martin (72)	12,300	9,900	3.6	3.8	44,300	37,300
Nicollet (64)	11,300	11,100	3.5	4.3	39,700	47,200
Rice (14)	33,200	33,700	3.2	4.2	106,000	141,400
Steele (48)	15,100	16,000	3.6	4.1	53,800	65,700
Waseca (69)	10,300	9,900	3.2	3.9	32,700	39,000
Watonwan (83)	6,300	6,000	3.8	3.9	23,900	23,200
Total	159,500	152,500	3.4	3.8	545,700	581,500
Southeast Dist. 9						
Dakota (45)	24,000	18,500	2.8	3.6	68,300	67,500
Dodge (35)	21,600	22,900	3.4	3.8	72,500	87,400
Fillmore (03)	78,800	76,900	3.4	3.6	265,500	278,500
Goodhue (05)	65,500	71,800	3.2	3.5	211,600	251,500
Houston (10)	60,800	56,800	3.0	3.4	179,800	190,900
Mower (40)	22,600	22,600	3.4	3.3	76,000	75,100
Olmsted (09)	52,000	55,200	3.4	3.8	176,000	208,800
Wabasha (08)	58,500	59,200	3.7	3.6	214,400	210,600
Winona (06)	69,900	67,100	3.2	3.5	227,100	236,000
Total	453,700	451,000	3.3	3.6	1,491,200	1,606,300
STATE TOTAL	2,950,000	2,860,000	2.4	2.9	7,115,000	8,206,000

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District, County and County Rank in 1981 Production ( )	Acreage Harvested		Yield Per Harv.Acre		Production	
	1980	1981	1980	1981	1980	1981
	Acres		Tons		Tons	
Northwest Dist. 1						
Becker (14)	47,400	46,900	1.3	2.4	61,600	111,800
Clay (39)	16,000	17,300	2.1	3.4	33,600	59,100
Clearwater (21)	31,100	31,800	0.9	2.6	28,000	83,000
Kittson (75)	10,100	8,900	0.7	2.8	7,100	25,000
Mahnomen (22)	21,900	24,400	1.5	3.4	32,900	82,300
Marshall (20)	28,000	32,500	0.9	2.7	25,200	88,800
Norman (40)	17,100	18,000	1.7	3.1	29,100	56,300
Pennington (47)	21,900	17,300	1.3	2.8	28,500	47,900
Polk (25)	28,100	30,400	1.5	2.6	42,200	79,700
Red Lake (74)	12,600	9,200	1.3	2.7	16,400	25,100
Roseau (15)	40,700	42,900	0.7	2.5	28,500	105,800
Total	274,900	279,600	1.2	2.7	333,100	764,800
North Cent. Dist. 2						
Beltrami (24)	37,500	36,300	1.3	2.2	48,800	80,600
Cass (58)	18,500	14,600	1.4	2.5	25,900	37,000
Hubbard (54)	17,200	18,100	0.9	2.2	15,500	40,500
Itasca (66)	16,100	12,800	0.9	2.4	14,500	31,000
Koochiching (72)	9,600	10,800	1.1	2.5	10,600	27,200
Lake of the Woods (59)	15,500	17,200	1.5	2.1	23,300	36,900
Total	114,400	109,800	1.2	2.3	138,600	253,200
Northeast Dist. 3						
St. Louis (79)	15,200	9,300	1.7	2.3	25,800	21,100
Other Counties	400	300	2.0	2.0	800	600
Total	15,600	9,600	1.7	2.3	26,600	21,700
West Cent. Dist. 4						
Big Stone (65)	8,000	8,900	2.8	3.8	22,400	33,500
Chippewa (76)	7,200	7,300	2.9	3.0	20,900	22,100
Douglas (16)	36,200	35,300	3.2	3.0	115,800	105,200
Grant (71)	9,100	9,100	3.0	3.0	27,300	27,300
LacQuiParle (70)	10,500	9,600	3.8	2.9	39,900	28,200
Otter Tail (02)	138,400	130,900	2.3	2.6	318,300	345,000
Pope (27)	29,100	25,500	3.6	3.0	104,800	77,000
Stevens (63)	8,500	8,700	3.2	4.0	27,200	34,400
Swift (62)	10,600	11,500	3.9	3.0	41,300	34,800
Traverse (78)	6,800	7,700	2.5	2.8	17,000	21,300
Wilkin (67)	8,300	9,200	2.2	3.3	18,300	30,800
Yellow Medicine (57)	11,100	11,500	3.5	3.4	38,900	38,700
Total	283,800	275,200	2.8	2.9	792,100	798,300
Central Dist. 5						
Benton (26)	29,500	25,300	3.4	3.1	100,300	78,800
Carver (13)	27,600	28,300	3.9	4.1	107,600	116,700
Kandiyohi (17)	31,400	26,600	2.7	3.8	84,800	101,800
McLeod (19)	21,200	21,700	3.7	4.4	78,400	94,500
Meeker (23)	21,700	23,800	3.0	3.5	65,100	82,200
Morrison (11)	56,200	52,000	2.9	2.8	163,000	147,100
Renville (56)	9,000	9,200	3.3	4.3	29,700	39,400
Scott (31)	19,000	18,100	2.6	3.7	49,400	66,400
Sherburne (50)	14,500	15,900	3.0	2.8	43,500	45,000
Sibley (30)	16,200	16,800	3.4	4.0	55,100	67,600
Stearns (01)	121,900	117,400	3.3	3.7	402,300	440,200
Todd (05)	76,700	69,900	2.5	3.1	191,800	214,900
Wadena (29)	32,300	31,500	2.0	2.4	64,600	75,800
Wright (10)	43,200	44,400	3.6	3.7	155,500	163,900
Total	520,400	500,900	3.1	3.5	1,591,100	1,734,300

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81 (CONTINUED)

District, County and County Rank in 1981 Production ( )	Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981
	Acres		Tons		Tons	
East Cent. Dist. 6						
Aitkin (84)	15,700	8,300	1.5	2.2	23,600	18,400
Anoka (73)	10,500	8,200	1.8	3.2	18,900	26,600
Carlton (68)	16,800	13,400	1.3	2.2	21,800	29,400
Chisago (44)	19,700	16,100	2.9	3.0	57,100	48,900
Crow Wing (83)	17,900	8,700	1.5	2.1	26,900	18,500
Hennepin (36)	18,400	16,100	2.7	3.9	49,700	62,400
Isanti (55)	14,700	12,300	3.2	3.2	47,000	39,500
Kanabec (45)	17,900	16,000	2.1	3.0	37,600	48,200
Mille Lacs (32)	23,600	19,600	3.1	3.4	73,200	66,300
Pine (18)	36,500	34,700	1.9	2.9	69,400	100,100
Ramsey (85)	900	700	1.7	2.4	1,500	1,700
Washington (41)	19,400	18,400	2.8	2.9	54,300	52,800
Total	212,000	172,500	2.3	3.0	481,000	512,800
Southwest Dist. 7						
Cottonwood (61)	9,400	10,900	3.8	3.3	35,700	35,900
Jackson (77)	8,100	6,900	3.8	3.1	30,800	21,700
Lincoln (43)	23,900	20,600	3.0	2.4	71,700	49,300
Lyon (51)	18,400	17,500	3.1	2.6	57,000	44,900
Murray (38)	20,100	19,300	3.8	3.2	76,400	61,700
Nobles (49)	14,800	14,100	3.9	3.3	57,700	46,900
Pipestone (42)	21,200	17,400	3.4	3.0	72,100	52,600
Redwood (64)	10,900	10,200	3.7	3.4	40,300	34,300
Rock (46)	13,500	15,100	3.7	3.2	50,000	48,200
Total	140,300	132,000	3.5	3.0	491,700	395,500
South Cent. Dist. 8						
Blue Earth (80)	5,700	6,100	3.6	3.4	20,500	21,000
Brown (34)	17,000	17,400	3.8	3.6	64,600	63,300
Faribault (81)	6,400	5,400	4.3	3.6	27,500	19,600
Freeborn (53)	12,800	12,800	3.9	3.3	49,900	42,100
LeSueur (35)	18,600	16,700	3.1	3.8	57,700	63,100
Martin (69)	9,600	7,400	3.8	3.9	36,500	29,100
Nicollet (52)	9,300	9,900	3.6	4.4	33,500	43,800
Rice (12)	28,000	31,000	3.1	4.3	86,800	131,800
Steele (37)	13,900	14,900	3.7	4.2	51,400	61,900
Waseca (60)	9,100	9,000	3.4	4.0	30,900	36,400
Watonwan (82)	5,100	4,800	4.2	4.0	21,400	19,300
Total	135,500	135,400	3.5	3.9	480,700	531,400
Southeast Dist. 9						
Dakota (48)	17,400	12,800	2.9	3.7	50,500	47,200
Dodge (28)	19,200	19,300	3.4	3.9	65,300	75,900
Fillmore (03)	72,000	65,600	3.3	3.7	237,600	240,800
Goodhue (04)	60,500	66,200	3.2	3.5	193,600	232,500
Houston (09)	53,700	50,000	2.9	3.4	155,700	172,300
Mower (33)	19,800	19,900	3.4	3.3	67,300	66,300
Olmsted (08)	44,500	45,200	3.6	3.9	160,200	175,000
Wabasha (06)	55,100	53,200	3.7	3.6	203,900	190,000
Winona (07)	60,900	52,800	3.3	3.6	201,000	188,000
Total	403,100	385,000	3.3	3.6	1,335,100	1,388,000
STATE TOTAL	2,100,000	2,000,000	2.7	3.2	5,670,000	6,400,000

POTATOES: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-1981

District and County	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Cwt.		Cwt.	
Northwest Dist. 1								
Clay	8,800	9,100	8,700	9,000	155	165	1,348,500	1,485,000
Kittson	4,200	4,800	4,100	4,700	110	150	451,000	705,000
Marshall	10,800	11,300	10,600	11,100	120	160	1,272,000	1,776,000
Norman	1,600	2,000	1,600	1,900	125	170	200,000	323,000
Polk	22,200	25,800	22,100	24,600	105	160	2,320,500	3,936,000
Other Districts								
Lake of the Woods	600	600	600	600	150	155	90,000	93,000
Sherburne	3,500	4,000	3,400	3,900	305	300	1,037,000	1,170,000
Anoka	500	600	500	600	250	240	125,000	144,000
Hennepin	800	1,100	800	1,100	270	240	216,000	264,000
Freeborn	4,200	4,300	3,800	3,500	220	235	836,000	822,500
All Other Counties	13,300	15,600	13,200	15,100	272	280	3,590,000	4,228,500
STATE TOTAL	70,500	79,200	69,400	76,100	166	196	11,486,000	14,947,000

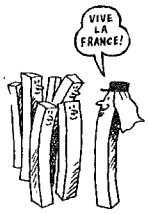
KNOW YOUR Potato!

While there are numerous varieties of potatoes, there are only 4 basic types -- long white, round red, round white, and russet. New potatoes are not a variety but simply potatoes that come to market directly from the field. They are generally harvested to be smaller in size.

ONE MEDIUM POTATO SUPPLIES 35% OF THE U.S. RDA OF VITAMIN C, 20% OF VITAMIN B_6, 10% OF NIACIN AND IRON, AND 6% OF PROTEIN.

Potato chips... that famous American snack ... have become an international favorite and are now available in 38 countries.

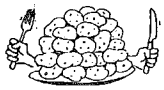
Potato chips produced in other countries reflect national tastes ... in Japan, seaweed-flavored chips are a favorite while in the British Commonwealth, vinegar and salt-flavored chips are popular.



Marie Antoinette made potato blossoms fashionable by wearing them in her hair.

In the days when dining on a train meant a gourmet experience, the Northern Pacific billed itself as the "line of the great big baked potatoes".

The first freeze-dried potatoes were made by the natives of the Andes mountains of Peru. Now potatoes in frozen, dehydrated and fresh forms are available in more than 100 varieties.



THE ANNUAL PER CAPITA CONSUMPTION OF POTATOES IN THE U.S. IS ABOUT 120 LBS.,

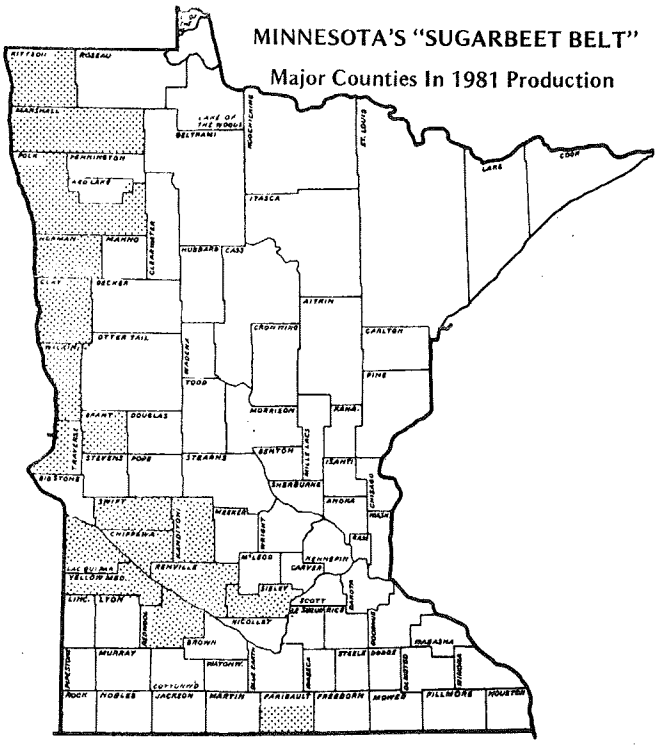
A German specialty called Heaven and Earth is a mixture of mashed potatoes and apples. (Apples reach heavenward and potatoes grow in the earth!)

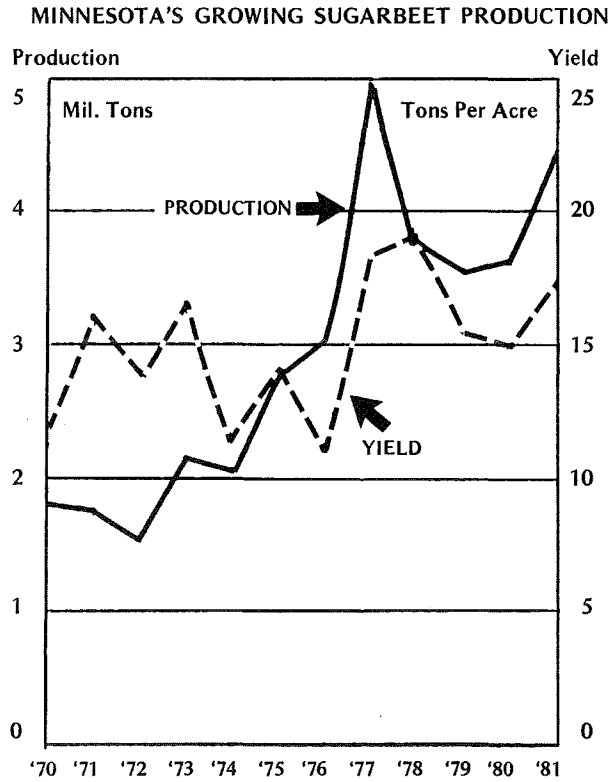
Queen Elizabeth I had a chef who lost his job over potatoes. No one thought to tell the royal chef what part of the plant was edible, so he served the leaves.

SUGARBEETS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District and County	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Tons		Tons	
Northwest Dist. 1								
Clay	44,000	45,200	43,700	44,900	16.0	17.1	699,200	768,000
Kittson	11,400	11,400	11,000	11,400	14.6	18.7	160,600	212,900
Marshall	18,800	18,700	16,800	18,700	12.0	17.8	201,600	333,000
Norman	21,200	20,600	20,900	20,200	15.3	19.2	319,800	387,000
Polk	71,900	71,400	59,800	71,000	13.5	18.9	807,300	1,345,200
West Cent. Dist. 4								
Chippewa	19,600	18,900	19,400	18,400	16.1	14.1	312,300	258,700
Grant	5,200	5,500	5,100	5,300	15.8	15.7	80,600	83,200
Lac Qui Parle	1,200	1,400	1,200	1,400	13.4	13.1	16,100	18,300
Swift	3,200	4,100	3,200	3,900	14.1	12.3	45,100	47,800
Traverse	5,100	5,400	5,000	5,300	11.8	13.6	59,000	72,200
Wilkin	23,000	21,500	22,800	21,300	13.5	16.4	307,800	348,500
Yellow Medicine	1,100	900	1,000	900	15.0	18.1	15,000	16,300
Selected Counties								
Kandiyohi	3,900	4,400	3,900	4,300	17.7	15.5	69,000	66,600
Renville	22,200	23,000	21,100	22,800	19.3	15.4	407,200	351,300
Sibley	1/	1,000		1,000		14.8		14,800
Redwood	2,700	2,100	2,600	1,900	14.0	13.7	36,400	26,000
Faribault	1,900	1,900	1,900	1,700	16.0	16.4	30,400	27,900
All Other Counties	3,600	2,600	3,600	2,600	14.9	16.3	53,600	42,300
STATE TOTAL	260,000	260,000	243,000	257,000	14.9	17.2	3,621,000	4,420,000

1/ Included in other counties.





FLAX: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1980-81

District, County and County Rank in 1981 Production	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (09)	4,200	4,000	4,100	3,700	10.9	11.1	44,600	41,100
Clay (11)	3,100	2,900	2,900	2,700	11.0	11.6	31,900	31,400
Clearwater (20)	1,000	900	800	800	9.5	13.0	7,600	10,400
Kittson (21)	1,000	1,000	700	800	9.9	12.4	6,900	9,900
Mahnomen (17)	1,200	1,100	1,000	900	9.9	12.0	9,900	10,800
Marshall (02)	10,700	10,100	9,000	9,200	8.5	14.2	76,500	130,500
Norman (18)	800	800	800	700	10.0	15.0	8,000	10,500
Pennington (10)	3,200	3,000	2,300	2,600	8.0	13.7	18,400	35,600
Polk (04)	8,600	8,100	8,000	7,500	8.0	12.1	64,100	90,800
Red Lake (22)	900	900	900	700	9.4	13.0	8,500	9,100
Roseau (01)	44,300	41,800	33,500	36,900	11.4	11.9	382,900	440,900
Total	79,000	74,600	64,000	66,500	10.3	12.3	659,300	821,000
North Cent. Dist. 2								
Lake of the Woods (05)	6,400	5,200	6,400	4,700	15.0	12.4	96,000	58,200
Other Counties	1,500	800	1,500	700	14.3	11.7	21,500	8,200
Total	7,900	6,000	7,900	5,400	14.9	12.3	117,500	66,400
West Cent. Dist. 4								
Big Stone (07)	4,300	3,500	4,300	3,300	12.4	14.0	53,300	46,200
Douglas (12)	2,800	2,300	2,800	2,100	11.2	13.5	31,300	28,400
Grant (14)	2,200	1,800	2,200	1,600	10.0	14.0	22,100	22,400
Lac Qui Parle (15)	1,500	1,200	1,500	1,100	13.5	15.5	20,300	17,100
Otter Tail (13)	2,800	2,300	2,800	1,900	10.7	13.5	30,000	25,700
Stevens (26)	700	600	700	500	12.0	12.0	8,400	6,000
Swift (24)	700	600	700	600	12.6	12.8	8,800	7,700
Traverse (08)	4,100	3,400	4,100	3,100	12.5	13.5	51,300	41,900
Wilkin (16)	1,400	1,200	1,400	1,100	13.0	15.5	18,200	17,000
Yellow Medicine (19)	1,100	900	1,100	700	15.0	15.0	16,500	10,500
Other Counties	600	500	600	500	12.5	13.6	7,500	6,800
Total	22,200	18,300	22,200	16,500	12.0	13.9	267,700	229,700
Southwest Dist. 7								
Lincoln (03)	14,100	9,200	14,100	9,000	16.5	11.9	232,700	107,100
Lyon (25)	1,500	600	1,500	600	18.1	11.0	27,100	6,600
Murray (23)	2,400	800	2,400	700	17.5	13.0	42,000	9,100
Pipestone (06)	10,700	4,800	10,700	4,600	17.6	11.4	188,300	52,400
Other Counties	100	100	100	100	16.0	12.0	1,600	1,200
Total	28,800	15,500	28,800	15,000	17.1	11.8	491,700	176,400
All Other Counties	2,100	600	2,100	600	12.8	10.8	26,800	6,500
STATE TOTAL	140,000	115,000	125,000	104,000	12.5	12.5	1,563,000	1,300,000

RYE: ACREAGE, YIELD AND PRODUCTION, BY PRINCIPAL COUNTIES, MINNESOTA, 1980-81

District, County and County Rank in 1981 Production ()	Acreage Planted		Acreage Harvested		Yield Per Harv. Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	Acres		Acres		Bushels		Bushels	
Northwest Dist. 1								
Becker (20)	1,300	1,500	1,200	1,400	28.2	31.4	33,800	44,000
Clay (17)	1,600	1,800	1,500	1,700	25.0	31.3	37,500	53,200
Clearwater (37)	500	600	400	600	22.0	30.8	8,800	18,500
Kittson (19)	1,800	2,100	1,400	1,700	18.5	28.0	25,900	47,600
Mahnomen (18)	1,500	1,700	1,400	1,600	28.0	33.0	39,200	52,800
Marshall (08)	2,700	3,100	1,900	2,800	18.0	34.5	34,200	96,600
Norman (16)	1,600	1,800	1,500	1,700	23.5	32.3	35,300	54,900
Pennington (28)	1,100	1,300	900	1,200	15.0	25.0	13,500	30,000
Polk (03)	4,300	4,900	3,800	4,600	20.0	30.7	76,000	141,200
Red Lake (34)	900	1,000	800	800	27.0	28.5	21,600	22,800
Roseau (22)	1,300	1,600	900	1,400	21.0	25.9	18,900	36,300
Total	18,600	21,400	15,700	19,500	21.9	30.7	344,700	597,900
North Cent. Dist. 2								
Itasca (50)	300	500	0	400	0.0	30.0	0	12,000
Other Counties	1,600	1,400	1,500	1,100	21.3	29.7	31,900	32,700
Total	1,900	1,900	1,500	1,500	21.3	29.8	31,900	44,700
Northeast Dist. 3								
Total	200	0	100	0	24.0	0.0	2,400	0
West Cent. Dist. 4								
Big Stone (12)	2,000	3,000	1,900	2,800	31.2	22.5	59,300	63,000
Douglas (10)	1,800	2,700	1,700	2,500	29.5	27.0	50,200	67,600
Grant (29)	800	1,200	800	1,100	25.0	27.0	20,000	29,700
Lac Qui Parle (33)	600	900	600	800	29.7	30.0	17,800	24,000
Otter Tail (06)	3,400	5,100	3,200	4,800	22.0	27.0	70,500	129,400
Pope (23)	900	1,400	800	1,300	27.0	26.9	21,600	35,000
Stevens (25)	900	1,400	800	1,300	27.1	25.6	21,700	33,300
Swift (13)	1,500	2,300	1,300	2,100	30.0	30.0	39,000	63,000
Traverse (15)	1,700	2,600	1,600	2,400	29.0	25.0	46,400	60,000
Wilkin (35)	500	800	500	700	26.6	28.6	13,300	20,000
Other Counties	500	800	500	800	27.0	28.0	13,500	22,400
Total	14,600	22,200	13,700	20,600	27.2	26.6	373,300	547,400
Central Dist. 5								
Benton (09)	2,400	2,700	2,100	2,600	25.0	28.0	52,500	72,800
Kandiyohi (24)	1,000	1,100	1,000	1,100	31.0	31.0	31,000	34,100
McLeod (27)	900	1,000	800	900	35.0	35.6	28,000	32,000
Meeker (21)	1,300	1,500	1,200	1,300	30.0	32.7	36,000	42,500
Morrison (11)	1,800	2,000	1,700	1,900	23.0	33.7	39,100	64,100
Scott (30)	800	900	800	900	15.0	32.0	12,000	28,800
Sherburne (01)	11,900	13,300	10,500	12,700	22.5	30.5	236,600	386,800
Stearns (05)	3,700	4,100	3,500	4,000	28.5	32.4	99,800	129,600
Todd (26)	900	1,000	800	1,000	26.5	33.1	21,200	33,100
Wadena (48)	700	800	600	400	25.0	31.5	15,000	12,600
Wright (14)	1,800	2,000	1,500	1,900	25.5	32.5	38,300	61,800
Other Counties	1,000	1,100	1,000	1,100	31.5	32.7	31,500	36,000
Total	28,200	31,500	25,500	29,800	25.1	31.3	641,000	934,200
East Cent. Dist. 6								
Anoka (07)	2,800	3,500	2,600	2,900	25.0	34.2	64,900	99,200
Chisago (04)	3,300	4,100	2,800	4,000	24.6	35.0	68,900	140,000
Hennepin (45)	400	500	400	400	22.5	33.5	9,000	13,400
Isanti (02)	4,700	5,800	4,200	5,400	24.9	34.9	104,400	188,500
Other Counties	2,300	2,900	2,100	2,900	23.9	33.6	50,200	97,400
Total	13,500	16,800	12,100	15,600	24.5	34.5	297,400	538,500
Southwest Dist. 7								
Lincoln (52)	1,900	500	1,700	400	25.5	30.0	43,400	12,000
Other Counties	1,600	1,000	1,600	1,000	26.5	30.5	42,400	30,500
Total	3,500	1,500	3,300	1,400	26.0	30.4	85,800	42,500
South Cent. Dist. 8								
Total	1,700	1,200	1,700	1,100	31.9	37.6	54,300	41,400
Southeast Dist. 9								
Dakota (31)	600	700	600	700	34.0	41.0	20,400	28,700
Goodhue (38)	400	500	300	500	27.7	37.0	8,300	18,500
Houston (32)	600	700	500	700	27.0	36.1	13,500	25,300
Wabasha (36)	400	500	300	500	24.0	39.0	7,200	19,500
Other Counties	800	1,100	700	1,100	28.3	40.4	19,800	44,400
Total	2,800	3,500	2,400	3,500	28.8	39.0	69,200	136,400
STATE TOTAL	85,000	100,000	76,000	93,000	25.0	31.0	1,900,000	2,883,000

1981 PADDY WILD RICE STATISTICS
(Information provided by the Minnesota Wild Rice Growers Association)

Minnesota's natural wild rice has provided food for man for over 500 years. In the state's early history, the Chippewa and Sioux tribes depended on wild rice for survival through the winter.

In 1977, the Minnesota legislature designated wild rice as the state's official grain. Most of today's wild rice comes from man-made paddies. About 95% of the nation's commercial wild rice paddies are located here in Minnesota. Most are located in the north central area of the state.

Preliminary estimates on the 1981 wild rice crop shows acreage held close to the 1980 level of 16,000 acres (this is for paddy wild rice). Approximately 2.3 million pounds of processed wild rice were produced, down slightly from 1980's 2.4 million.

Producers averaged about $3.60 for processed wild rice. This would put value of the 1981 paddy wild rice crop at about $8.3 million versus $9.6 million in 1980.

Some wild rice comes from natural stands but paddies outproduce these stands by about 4 to 1. There are, however, no differences in physical characteristics or food value between the two.

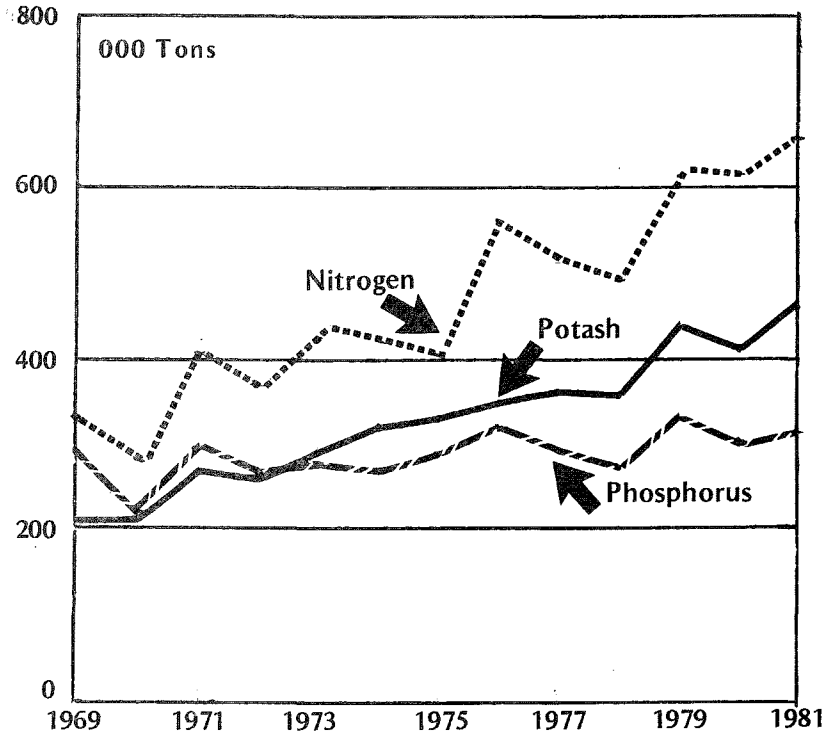
State law provides that wild rice grown in public waters must be hand-harvested. The Minnesota Department of Natural Resources estimated that 1981 wild rice production from natural stands totaled only about 1 million pounds, down substantially from the 2.5 million produced in 1980.

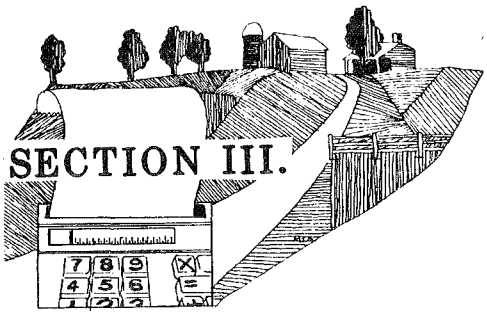
MINNESOTA FERTILIZER USAGE

Minnesota consumption of fertilizer totaled 2.5 million tons for the year ending June 30, 1981, 7% above the previous year. Fertilizer consumption represents all commercial fertilizer tonnage sold or shipped for farm and non-farm use as fertilizer. Usage picked up after a decline in 1980.

Minnesota moved from 7th to 6th place ranking.

MINNESOTA'S
USE OF PRIMARY NUTRIENTS AS FERTILIZER





LIVESTOCK, DAIRY, POULTRY

Livestock

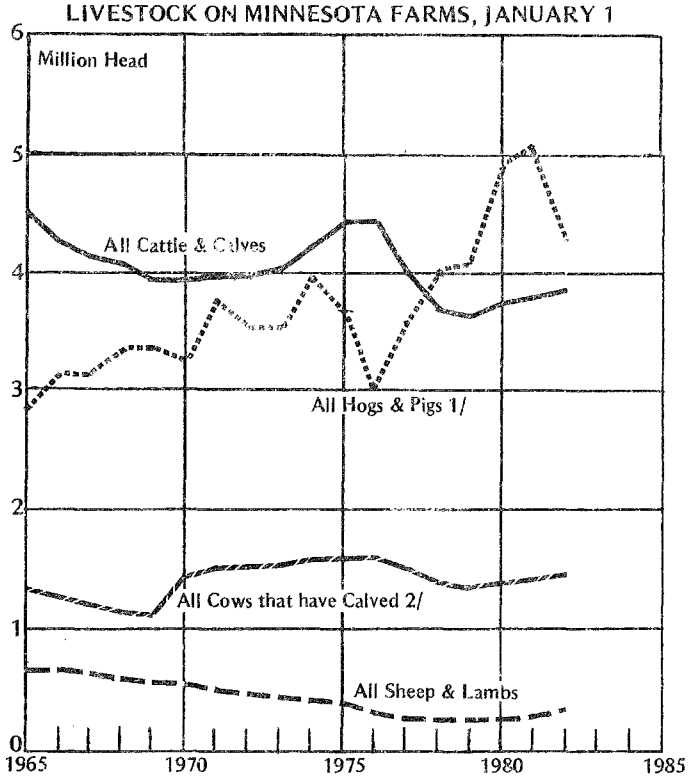
Cattle numbers on Minnesota farms on January 1, 1982 were up 2% from a year earlier and sheep and lamb numbers were up 14%. The inventory of all hogs on December 1, 1981 was down 16% from a year earlier. December 1, 1981 all chickens on farms totaled 5% more than in 1980.

The combined value of all livestock and poultry on Minnesota farms was $2,414 million, a 9% decrease from last year's $2,665 million. All cattle and calves, valued at $2,076 million, were 7% less than a year earlier. The value of hogs on hand December 1, 1981 accounted for $290 million, down 27%; chickens $20 million, up 1%; and all sheep and lambs, $17.4 million, down 7%.

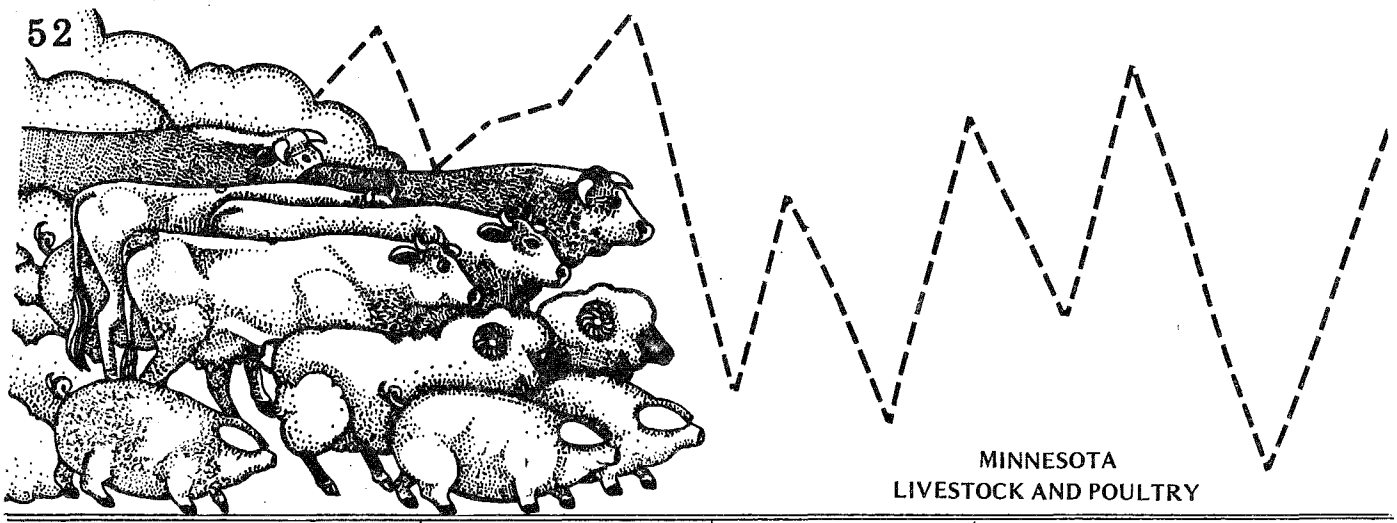
The number of operations with cattle and sheep remained the same while milk cows declined 1,000 and hogs 5,000 (see page number 3).

Minnesota's 1981 honey crop totaled 8.2 million pounds, 40% less than the 1980 crop and 48% below the 1979 crop. Yields averaged 43 pounds per colony compared with 76 and 99 for 1980 and 1979 respectively. Colony numbers increased 6% to 190,000. Minnesota dropped from 4th to 7th place nationally in honey output. Producers received an average of 58.1¢ per pound for honey, up 5.1¢ from 1980. Value of production was $4.7 million compared to $7.3 million in 1980. Beeswax production in Minnesota totaled 188,000 pounds in 1981, 24% less than the 1980 wax production; and sold for $1.92 per pound, the highest on record.

LIVESTOCK ON MINNESOTA FARMS, JANUARY 1



1/ December 1 preceding year.
2/ Prior to 1970, "All cows 2 years & older."



MINNESOTA LIVESTOCK AND POULTRY

Class	Number On Farms			Value Per Head			Total Farm Value		
	1980	1981	1982	1980	1981	1982	1980	1981	1982
	Thousand Head			Dollars			Thousand Dollars		
All Cattle, January 1.....	3,750	3,800	3,880	570.00	585.00	535.00	2,137,500	2,223,000	2,075,800
Total Cows that have Calved..	1,420	1,450	1,490						
Beef Cows.....	560	570	585						
Milk Cows.....	860	880	905						
Total Heifers 500 Pounds+....	740	655	688						
Beef Replacement.....	105	95	108						
Milk Replacement.....	390	350	360						
Other.....	245	210	220						
Steers, 500 Pounds+.....	640	690	649						
Bulls, 500 Pounds+.....	50	55	53						
Steers, Heifers, Bulls Under 500 Pounds.....	900	950	1,000						
All Hogs and Pigs, December 1.1/	4,900	5,100	4,300	59.00	77.50	67.50	289,100	395,250	290,250
All Sheep and Lambs, January 1.	264	295	335	69.50	63.50	52.00	18,348	18,733	17,420
Stock Sheep.....	217	250	275						
Ewes, 1 year +.....	164	187	199						
Ewe Lambs.....	39	48	58						
Wethers and Rams, 1 year+..	5	5	7						
Wethers and Ram Lambs.....	9	10	11						
Sheep and Lambs on Feed.....	47	45	60						
All Chickens, December 1.1/.....	12,500	13,000	13,600	1.50	1.55	1.50	18,750	20,150	20,400
Hens and Pullets of Laying Age.....	9,500	10,000	10,600						
Pullets 3 Months Old+, Not of Laying Age.....	1,125	1,440	1,370						
Pullets Under 3 Months.....	1,750	1,430	1,530						
Other Chickens.....	125	130	100						
Turkey Breeder Hens, December 1.1/	633	625	567	12.80	12.80	17.80	8,102	8,000	10,093
TOTAL.....							2,471,800	2,665,133	2,413,963

1/ December 1 preceding year.

MINNESOTA CATTLE AND CALVES

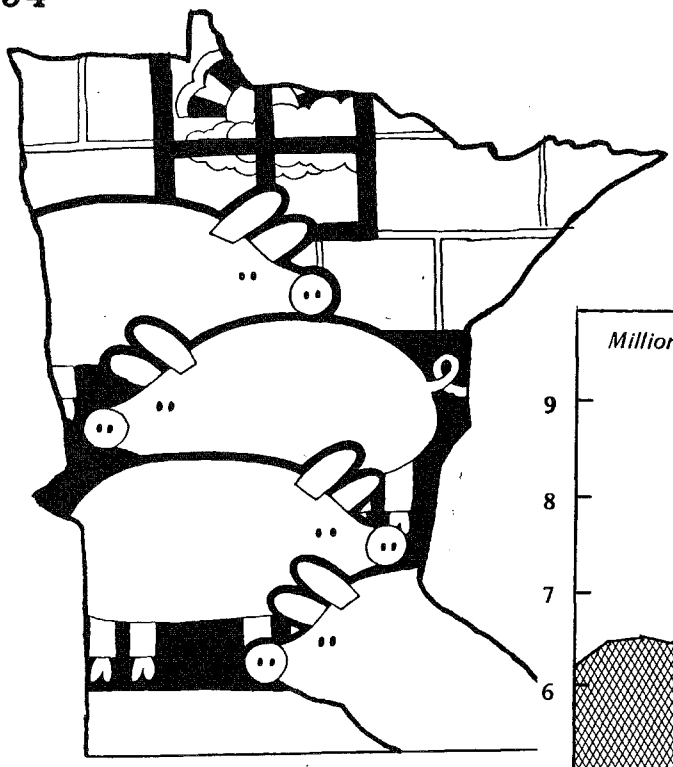
Year	On Farms, January 1			Calves Born	Marketings[1/]	Price Per 100 Lbs.		Cash[2/] Receipts	Gross Income[3/]
	All Cattle	All Cows That Have Calved	Milk Cows That Have Calved			Cattle	Calves		
	1,000 Head			1,000 Head	1,000 Lbs.	Dollars		1,000 Dollars	1,000 Dollars
1977	4,000	1,520	880	1,390	2,050,685	31.60	38.80	650,551	684,683
1978	3,700	1,400	850	1,280	1,706,285	43.50	58.20	745,689	793,105
1979	3,650	1,380	850	1,290	1,557,765	58.90	81.90	922,904	964,740
1980	3,750	1,420	860	1,350	1,873,240	55.70	78.30	1,048,616	1,090,910
1981	3,800	1,450	880	1,370	1,859,010	50.80	67.40	948,167	988,785
1982	3,880	1,490	905	--	--	--	--	--	--

1/ Excludes interfarm sales.
2/ Includes receipts from both marketing 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	Classes				Weight Groups 1/			
	Number	Steers and Steer Calves	Heifers & Heifer Calves	Other	Under 500 Lbs.	500-699 Lbs.	700-899 Lbs.	900 Lbs. and Over
	1,000 Head				1,000 Head			
1977: January 1...	340	211	126	3	72	99	91	75
April 1.....	360	238	122	0	25	148	92	95
July 1.....	340	204	135	1	16	78	151	94
October 1...	300	189	108	3	18	69	109	101
1978: January 1...	400	248	148	4	99	120	93	84
April 1.....	400	244	156	0	31	169	121	79
July 1.....	330	211	119	0	9	66	170	85
October 1...	280	190	90	0	16	48	99	117
1979: January 1...	400	256	140	4	45	124	119	108
April 1.....	340	228	112	0	20	143	91	86
July 1.....	320	208	112	0	6	49	165	100
October 1...	265	186	79	0	7	24	89	145
1980: January 1...	390	253	135	2	48	112	95	133
April 1.....	400	268	132	0	18	149	122	111
July 1.....	365	233	132	0	6	46	170	143
October 1...	310	205	105	0	7	35	103	165
1981: January 1...	370	251	117	2	39	112	99	118
April 1.....	405	267	138	0	22	159	131	93
July 1.....	390	265	125	0	10	55	163	162
October 1...	310	211	96	3	9	33	99	166
1982: January 1...	350	234	112	4	40	106	78	122
April 1.....	415	266	145	4	9	160	149	93

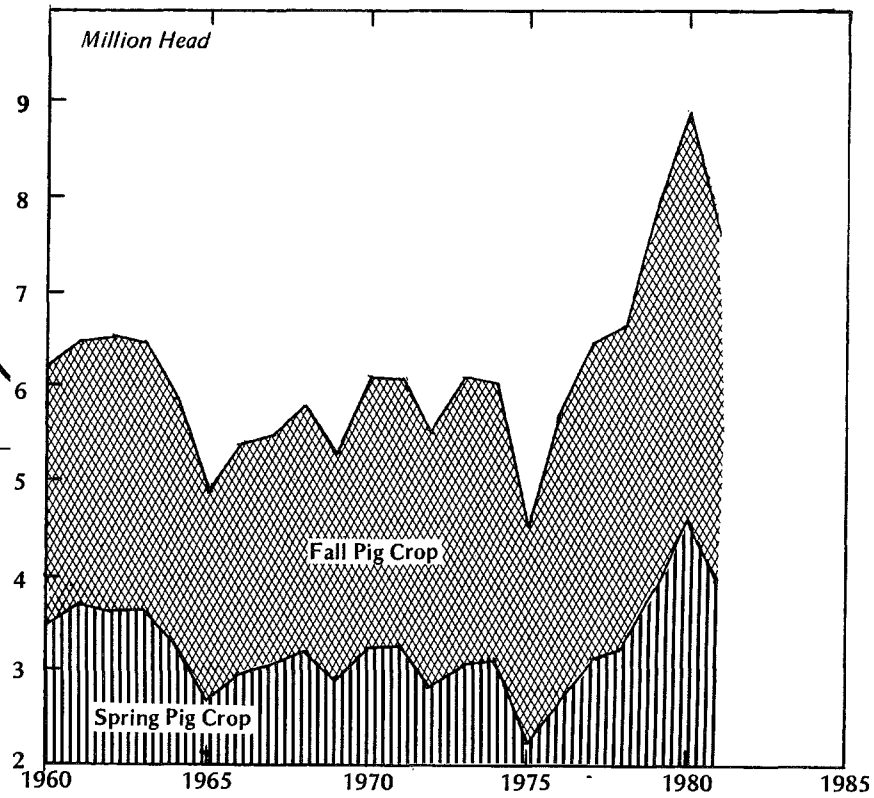
1/"Other" class not included in "Weight groups."



MINNESOTA

... THE NATION'S #3 HOG PRODUCER

TOTAL PIG CROP, MINNESOTA, 1960-1981 1/



1/ Fall pig crop is for June through November; spring pig crop is for December (previous year) through May.

MINNESOTA HOG PRODUCTION AND INCOME

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Cash Receipts 3/	Gross Income 4/
	Thousand Pounds		Dollars	Thousand Dollars	
1977	1,355,597	1,258,186	39.10	499,117	543,167
1978	1,442,782	1,397,080	46.70	663,047	697,567
1979	1,692,992	1,552,249	42.00	660,372	697,972
1980	1,934,920	1,896,236	38.30	732,598	749,944
1981	1,694,340	1,798,028	43.60	792,788	809,694

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

MINNESOTA SOWS FARROWED, PIG CROPS, AND DISPOSITION

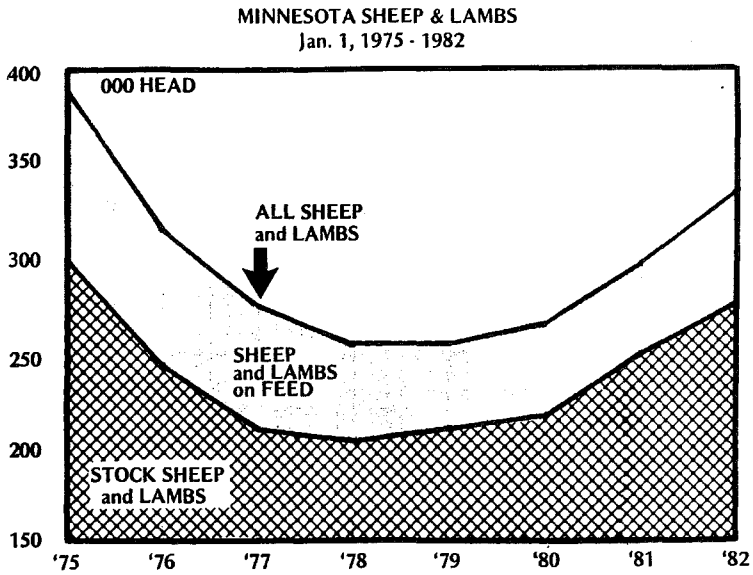
Year	Spring		Fall		Annual Total		Inship-ments	Market 1/ ings	Farm 2/ Slaughter	Deaths	All Hogs On Farms Dec. 1
	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop					
	Thousand Head		Thousand Head		Thousand Head		Thousand Head				
1977	420	3,105	465	3,393	885	6,498	219	5,831	51	435	4,000
1978	440	3,258	460	3,391	900	6,649	271	6,315	35	470	4,100
1979	540	3,905	560	4,101	1,100	8,006	254	6,888	42	530	4,900
1980	615	4,612	580	4,324	1,195	8,936	226	8,361	51	550	5,100
1981	530	3,978	490	3,623	1,020	7,601	215	8,116	30	470	4,300

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

MINNESOTA HOGS AND PIGS BY QUARTERS

Year and Quarter	All Hogs and Pigs	For Breeding Purposes	Market Hogs and Pigs				
			Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180-219 Lbs. 1/	220 Lbs. and Over 1/
	1,000 Head	1,000 Head	1,000 Head				
1977: March.....	3,200	544	1,156	584	518	345	53
June.....	3,400	595	1,388	632	457	278	50
September..	3,800	575	1,506	755	532	367	65
December...	4,000	608	1,462	875	617	373	65
1978: March.....	3,700	581	1,323	692	639	465	
June.....	3,650	602	1,402	719	494	433	
September..	3,650	605	1,340	761	518	426	
December...	4,100	697	1,515	840	637	411	
1979: March.....	4,120	721	1,513	765	679	442	
June.....	4,500	788	1,726	910	575	501	
September..	4,600	760	1,785	920	655	480	
December...	4,900	784	1,634	1,153	856	473	
1980: March.....	4,950	742	1,843	922	862	581	
June.....	5,000	775	1,901	1,077	697	550	
September..	5,100	740	1,940	1,090	740	590	
December...	5,100	816	1,778	1,070	900	536	
1981: March.....	4,450	665	1,442	980	780	583	
June.....	4,350	650	1,610	906	647	537	
September..	4,250	590	1,596	945	625	494	
December...	4,300	580	1,470	1,004	707	539	
1982: March.....	3,870	530	1,269	875	698	498	

1/ Beginning with March 1978, 220 lbs. and over combined with 180-219 to make 180 lbs. and over.



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				
	Thousand Head			Thousand Head		Thousand Dollars	
1977	275	65	210	214	224	10,666	10,962
1978	255	52	203	200	182	10,776	11,160
1979	255	45	210	198	184	11,602	11,990
1980	264	47	217	205	194	11,408	11,838
1981	295	45	250	245	223	11,120	11,676
1982	335	60	275	--	--	--	--

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

MINNESOTA WOOL

Year	Sheep Shorn 1/	Production		Annual Average Price Per Pound 2/	Value
		Per Fleece	Total		
	Thousand Head	Pounds	Thousand Pounds	Cents	Thousand Dollars
1977	251	7.6	1,905	66	1,257
1978	243	7.6	1,857	67	1,244
1979	252	7.7	1,933	71	1,372
1980	275	7.2	1,990	73	1,453
1981	308	7.3	2,252	70	1,576

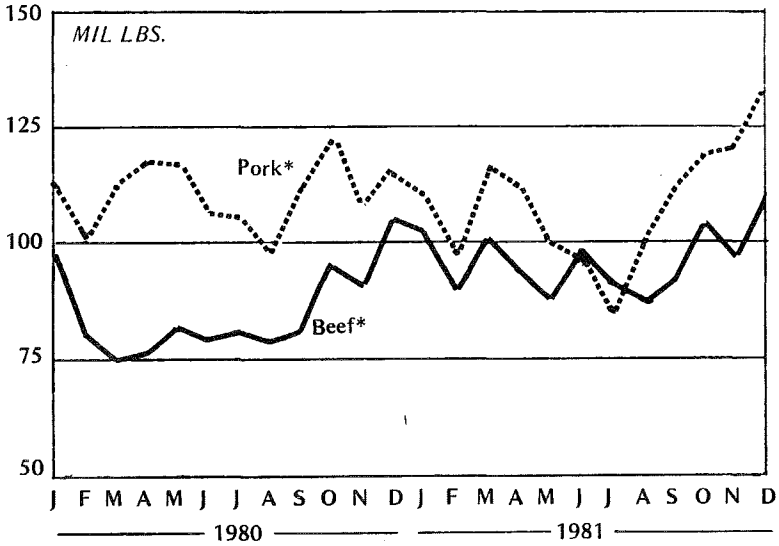
1/ Includes sheep shorn at commercial feeding yards.
2/ Average local market price for wool sold; does not include incentive payment.

MINNESOTA COMMERCIAL LIVESTOCK SLAUGHTER

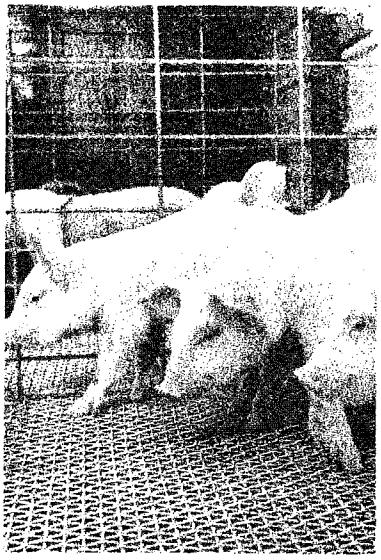
Month	Cattle						Calves					
	Number Slaughtered		Liveweight				Number Slaughtered		Liveweight			
			Average Weight		Total Weight				Average Weight		Total Weight	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
	Thousands		Pounds		Thousand Pounds		Thousands		Pounds		Thousand Pounds	
January.....	89.0	91.4	1,094	1,134	97,415	103,707	0.6	0.4	186	205	103	92
February....	72.1	79.2	1,118	1,150	80,664	91,114	0.6	0.5	201	183	113	87
March.....	67.6	86.4	1,114	1,166	75,296	100,789	0.5	0.5	199	199	91	102
April.....	67.8	81.6	1,127	1,163	76,490	94,863	0.4	0.4	211	207	91	90
May.....	74.3	77.5	1,116	1,143	82,934	88,635	0.4	0.5	220	198	88	89
June.....	71.5	83.7	1,113	1,143	79,616	95,738	0.4	0.4	221	213	94	81
July.....	74.4	82.3	1,088	1,124	80,951	92,520	0.4	0.3	226	214	94	67
August.....	73.1	78.5	1,081	1,120	79,052	87,896	0.4	0.4	208	203	87	74
September...	74.2	83.4	1,091	1,125	80,960	93,816	0.4	0.4	182	199	80	82
October.....	87.9	92.7	1,102	1,128	96,792	104,581	0.5	0.5	196	192	105	88
November....	83.5	87.2	1,100	1,120	91,767	97,567	0.5	0.4	194	197	89	82
December....	94.2	99.2	1,116	1,113	105,195	110,441	0.6	0.5	194	196	111	102
ANNUAL TOTAL.....	929.7	1,023.2	1,105	1,135	1,027,131	1,161,667	5.7	5.2	202	200	1,147	1,037
	Hogs						Sheep and Lambs					
January.....	475.1	464.5	237	240	112,380	111,322	43.3	51.7	115	116	4,983	6,006
February....	439.2	418.2	233	236	102,147	98,844	40.8	43.1	117	117	4,794	5,044
March.....	484.2	494.4	232	236	112,121	116,615	42.1	41.4	119	119	5,027	4,925
April.....	502.9	478.5	234	236	117,452	113,078	39.2	38.1	118	120	4,614	4,580
May.....	492.3	429.5	237	237	116,860	101,938	36.9	33.4	117	117	4,326	3,914
June.....	448.2	406.5	240	238	107,789	96,798	34.1	40.4	112	110	3,812	4,440
July.....	446.6	368.0	238	233	106,460	85,852	43.1	43.1	107	108	4,610	4,639
August.....	423.6	425.5	235	233	99,732	99,126	51.0	46.2	108	108	5,513	4,990
September...	473.4	478.1	237	235	111,977	112,164	44.6	48.3	108	109	4,806	5,240
October.....	516.2	505.2	237	237	122,192	119,916	51.8	48.8	110	109	5,719	5,322
November....	457.2	498.1	241	241	110,069	120,080	39.2	53.7	111	110	4,376	5,924
December....	479.9	555.7	240	243	115,292	135,273	48.0	64.5	116	112	5,561	7,248
ANNUAL TOTAL.....	5,638.8	5,522.1	237	237	1,334,469	1,311,007	514.0	552.7	113	113	58,141	62,274

Note: Totals may not add due to rounding.

MINNESOTA'S BEEF AND PORK SLAUGHTER



*Total liveweight of cattle and hogs commercially slaughtered.



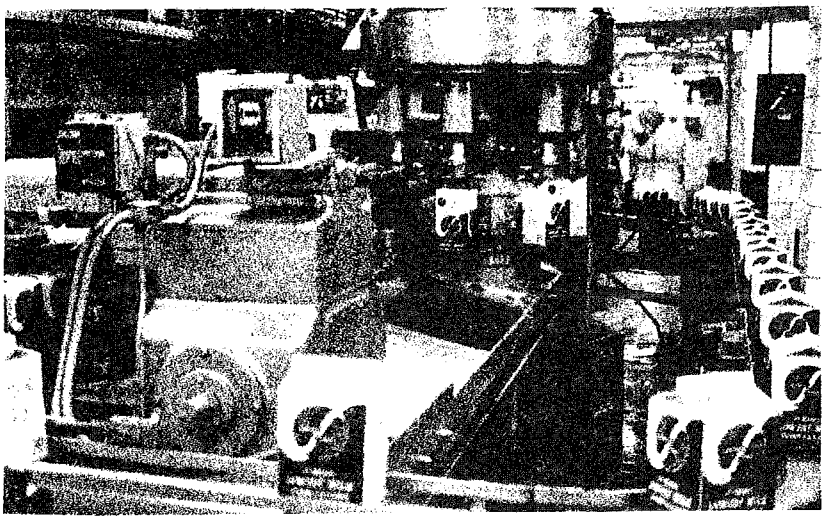
MINNESOTA HONEY AND BEESWAX

Year	Number Of Colonies	Production Per Colony	Honey Production	Beeswax Production	Average Price Received By Producers		Value Of Production	
					Honey	Beeswax	Honey	Beeswax
	Thousands	Pounds	Thousand Pounds		Dollars Per Pound		Thousand Dollars	
1977	157	80	12,560	239	.470	1.55	5,903	370
1978	155	96	14,880	268	.495	1.82	7,366	488
1979	160	99	15,840	285	.543	1.89	8,601	539
1980	180	76	13,680	246	.530	1.90	7,250	467
1981	190	43	8,170	188	.581	1.92	4,747	361

Dairy

Minnesota's milk production totaled 10.1 billion pounds in 1981, 6% higher than 1980. The state's share of national production increased slightly to 7.6% in 1981. Milk cows increased from 862,000 to 886,000 in 1981.

The revised June count of farms selling milk or cream totaled 25,328 in 1980, and 25,185 in 1981. Milk production per cow averaged 11,356 pounds in 1981, up 295 pounds per cow from a year earlier.



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 Milk & Cream			
		Fed to Calves	Consumed in Farm Household	Wholesale			
				Milk	Cream		
	Mil. Lbs.	Million Pounds				Thousand Dollars	Thousand Dollars
1977	9,483	138	67	9,270	8	816,973	822,876
1978	9,089	110	47	8,925	7	880,294	884,928
1979	9,145	53	27	9,065	0	1,026,158	1,029,214
1980	9,535	47	23	9,465	0	1,173,660	1,176,512
1981	10,061	---	--	---	-	---	---

MINNESOTA MANUFACTURED DAIRY PRODUCTS

Year	Butter	All Cheese	American Cheese	Non-Fat Dry Milk Solids	Dry Whey and Whey Fraction Solids	Ice Cream	Ice Milk	Milk Sherbet
	1,000 Pounds					1,000 Gallons		
1977	198,635	410,628	344,573	229,354	213,997	30,906	5,141	1,465
1978	170,575	451,569	381,597	175,561	241,419	31,879	5,177	1,507
1979	154,872	479,952	419,304	151,144	252,833	32,523	5,122	1,507
1980	162,911	512,361	453,459	171,643	271,185	32,888	5,310	1,578

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
1977	880	878	876	874	872	870	865	862	859	856	853	850	866
1978	850	845	839	830	825	825	825	830	835	840	845	850	837
1979	850	845	840	833	833	830	835	840	845	850	855	860	843
1980	855	850	850	850	855	855	860	865	870	875	880	880	862
1981	880	880	880	880	880	880	880	885	890	895	900	905	886

MILK PRODUCTION ON FARMS
(Million Pounds)

1977	818	812	920	896	933	914	813	711	640	651	648	727	9,483
1978	782	756	856	851	879	866	776	681	626	651	642	723	9,089
1979	786	761	857	829	875	863	760	689	638	672	667	748	9,145
1980	774	765	859	859	906	889	808	753	709	713	708	792	9,535
1981	840	814	955	933	968	942	836	774	730	725	725	819	10,061

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

1977	3.68	3.64	3.59	3.56	3.51	3.50	3.48	3.50	3.61	3.71	3.69	3.70	3.59
1978	3.66	3.63	3.61	3.59	3.55	3.52	3.51	3.51	3.59	3.70	3.75	3.76	3.61
1979	3.72	3.68	3.65	3.64	3.62	3.55	3.51	3.54	3.63	3.75	3.77	3.75	3.65
1980	3.71	3.68	3.69	3.64	3.57	3.51	3.48	3.50	3.63	3.75	3.77	3.75	3.64
1981*	3.71	3.63	3.61	3.60	3.56	3.48	3.50	3.52	3.64	3.74	3.77	3.74	3.63

BUTTER MANUFACTURED
(Million Pounds)

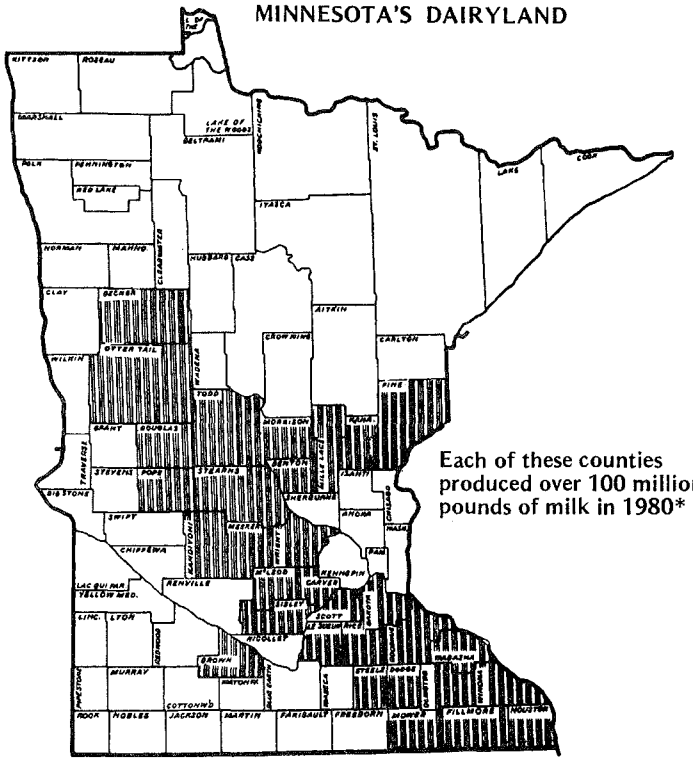
1977	16.6	15.8	18.8	19.1	19.3	18.9	18.3	16.0	13.9	13.0	13.9	14.9	198.6
1978	16.0	14.6	16.5	16.6	17.2	16.1	14.7	12.4	11.4	11.9	10.7	12.6	170.6
1979	14.8	13.5	15.7	15.1	15.8	15.0	12.3	11.5	9.1	10.5	10.0	11.5	154.9
1980	12.6	13.4	14.7	15.2	15.1	13.8	13.0	13.9	12.9	12.2	12.2	13.9	163.0
1981*	14.6	13.5	15.7	15.8	15.8	15.0	13.5	14.6	13.4	13.9	14.2	15.2	175.0

AMERICAN CHEESE MANUFACTURED
(Million Pounds)

1977	34.9	32.5	34.9	33.0	33.1	30.5	22.3	22.3	20.4	25.5	25.5	29.9	344.6
1978	30.8	30.5	35.1	34.1	36.3	35.3	27.7	27.1	25.2	31.4	32.0	36.1	381.6
1979	39.1	34.2	36.7	36.2	38.2	36.2	33.7	30.6	30.4	32.9	33.9	37.1	419.3
1980	38.8	37.9	39.3	38.6	41.3	40.4	36.1	33.5	32.5	37.2	36.1	41.7	453.5
1981*	44.3	41.6	46.9	45.4	47.7	45.4	38.4	33.8	33.4	37.5	36.8	41.9	493.0

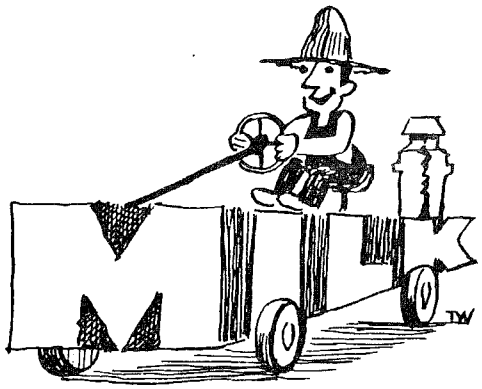
*Preliminary.

MINNESOTA'S DAIRYLAND

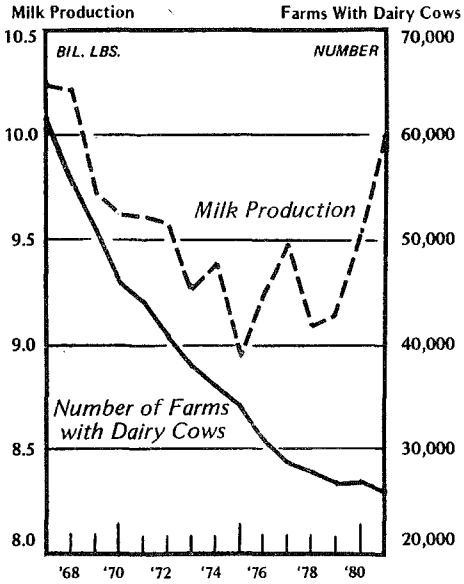


Each of these counties produced over 100 million pounds of milk in 1980*

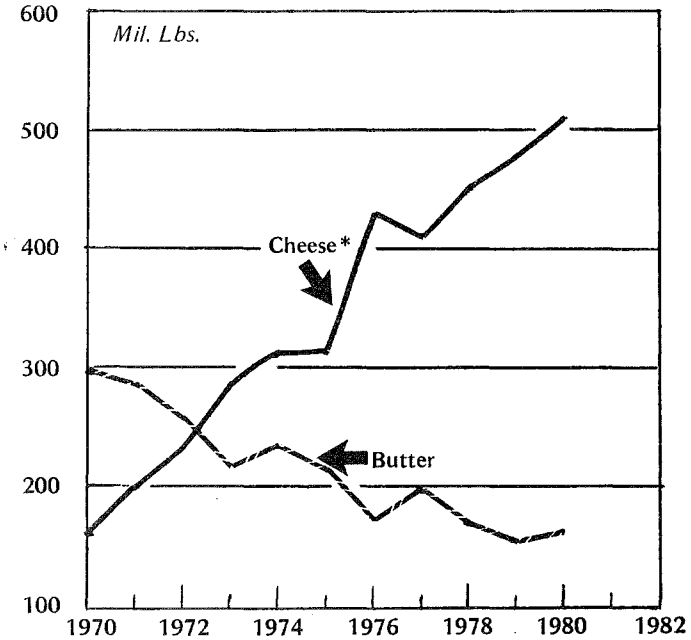
*Subsequent county data not available due to reduction in state funds.



FEWER STATE DAIRY FARMS PRODUCE MORE MILK

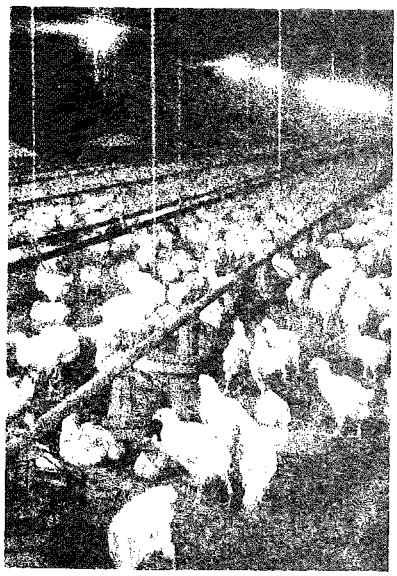


MINNESOTA'S BUTTER AND CHEESE PRODUCTION



*Mostly American Cheese.

Poultry



In 1981, Minnesota's rank in turkeys slipped to second place behind North Carolina even though production increased 1% to 25.7 million birds. On December 1, 1981, turkey growers had 567,000 breeder hens on hand, down 9% from 1980. The 1981 gross income from turkey production was $152.7 million, down 9% from 1980. This decrease was a result of a 4¢ drop in the average price per pound to 36¢ in 1981.

Combined total Minnesota-Wisconsin turkey poults hatched decreased 3% from 1980. During 1981, heavy breeds increased 3% while light breeds decreased 28%.

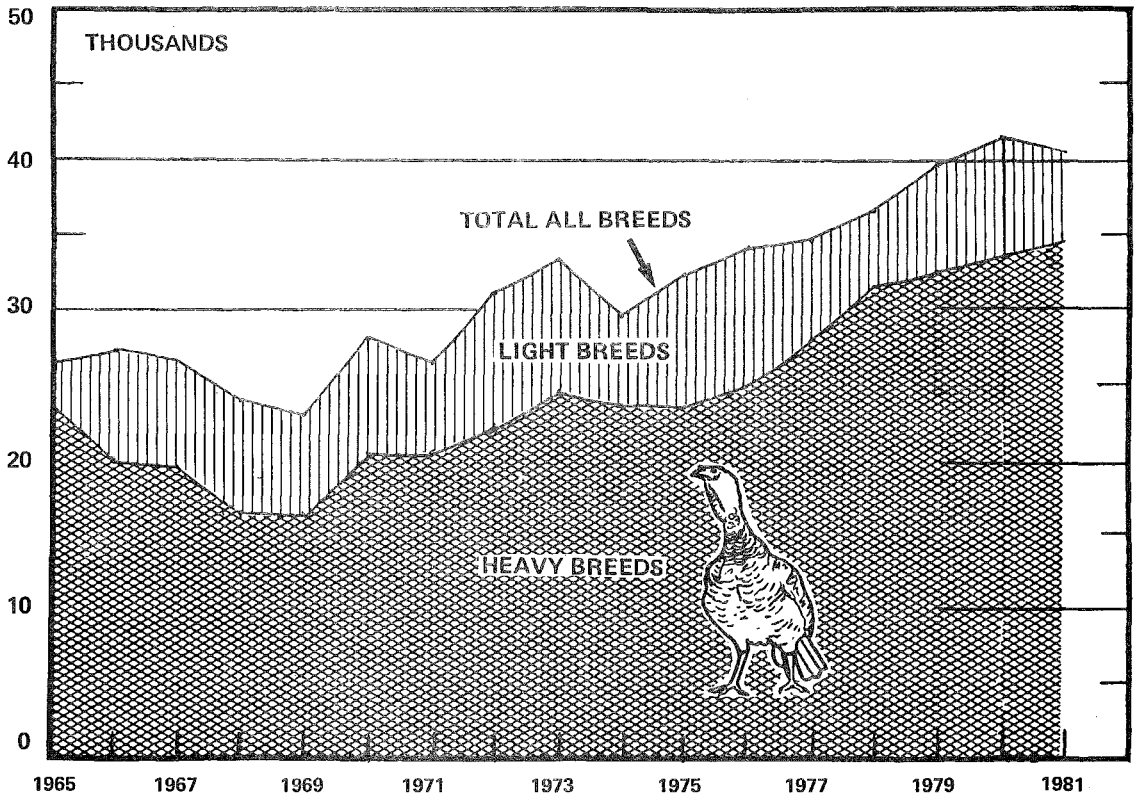
The state's egg production increased 6% in 1981 with Minnesota in 11th place nationally. The average number of layers on farms increased 7% from 1980 while production per layer decreased 1% from 1980. Cash receipts from eggs increased 23% from 1980 to $101.4 million in 1981.

The total chicken inventory (exluding commercial broilers) on December 1, 1981 increased 5% from 1980. In 1981, the number of commercial broilers raised increased 11% from 1980 whereas the number of chickens raised on farms decreased 8% from a year earlier. Cash receipts from farm chickens increased from $1.0 million to $1.9 million from 1980 to 1981. A sharp 14% gain in gross income from broilers resulted from an 11% increase in pounds produced and a slight gain in average price per pound.

Hatchery production of egg-type chicks decreased 36% whereas broiler-types increased 14% in 1981.

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

Minnesota-Wisconsin Turkey Poults Hatched



MINNESOTA POULTRY

Year	Chickens On Farms Dec. 1		Chickens Raised		Eggs Produced	Hatchery Production Of Chicks	Turkey Breeder Hens On Farms Dec. 1 1/	Turkeys Raised	Cash Receipts From Farm Sales		Gross Income From Turkeys
	All	Hens and Pullets	Farm	Commercial Broilers					Chickens Including Broilers	Eggs	
	Thousands		Thousands		Million	Thousands			1,000 Dols.		1,000 Dols.
1977	12,410	12,280	9,877	14,200	2,120	37,146	480	22,739	17,620	77,700	125,315
1978	11,920	11,805	9,089	15,100	2,189	41,946	593	21,238	20,642	75,011	154,885
1979	12,500	12,375	10,061	17,000	2,183	47,304	633	24,666	24,038	88,945	165,756
1980	13,000	12,870	9,435	19,400	2,223	44,758	625	25,500	27,652	82,579	167,790
1981	13,600	13,500	8,700	21,500	2,355	39,348	567	25,700	32,268	101,400	152,658

1/ Breeder hen inventories reflect the number producing eggs during the following season.

MINNESOTA MONTHLY POULTRY PRODUCTION

CHICKENS: LAYERS ON FARMS 1/
(Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1977	9.2	9.1	8.9	8.9	8.9	8.8	8.6	8.6	8.6	8.8	9.2	9.4	8.9
1978	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.9	8.9	8.9	9.1	9.4	9.0
1979	9.4	9.2	9.0	9.1	9.0	8.9	8.8	8.7	9.0	9.2	9.3	9.2	9.1
1980	8.8	8.9	9.0	9.1	9.1	9.1	9.2	9.3	9.4	9.6	9.8	9.8	9.2
1981	9.6	9.6	9.6	9.7	9.7	9.7	9.8	9.9	10.1	10.3	10.5	10.6	9.9

EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH 1/

1977	20.4	18.5	20.6	20.0	20.5	19.7	20.2	19.9	19.4	20.0	19.6	20.9	239
1978	20.8	18.7	21.1	20.8	21.5	20.3	20.5	20.2	19.3	19.5	19.1	20.2	243
1979	20.2	18.5	20.8	20.3	21.2	20.0	20.0	20.3	19.7	20.1	19.7	20.8	241
1980	20.9	19.1	20.6	20.0	20.4	19.6	20.0	20.3	19.9	20.3	20.0	21.2	242
1981	20.7	18.2	20.6	19.8	20.4	19.9	20.6	20.7	18.0	18.7	20.2	20.7	239

EGGS: PRODUCTION ON FARMS 1/2/
(Million Eggs)

1977	188	167	183	177	182	172	173	170	167	176	180	196	2,120
1978	191	171	192	187	193	180	182	179	170	174	174	190	2,189
1979	190	169	187	184	189	177	176	176	177	185	183	191	2,183
1980	184	170	185	181	186	178	183	188	187	194	196	208	2,223
1981	199	174	198	191	198	193	202	205	182	193	212	219	2,355

--Continued

CHICKENS: HATCHERY PRODUCTION
Egg Type (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1977	1,800	1,659	1,509	2,424	2,808	2,491	1,391	774	1,494	1,648	1,803	1,747	21,548
1978	1,292	1,758	1,825	2,802	2,651	2,806	1,797	2,068	1,966	2,062	2,187	1,963	25,177
1979	2,161	2,176	2,352	2,672	3,233	2,667	2,323	2,261	1,897	1,803	2,063	2,218	27,826
1980	1,488	2,521	2,085	2,644	2,593	2,155	2,122	1,986	1,451	1,402	1,177	1,492	23,116
1981	1,156	1,100	1,145	1,769	1,766	1,910	974	916	759	919	1,017	1,342	14,773

CHICKENS: HATCHERY PRODUCTION
Broiler Type (Thousands)

1977	945	1,223	1,254	1,850	2,338	1,374	1,107	1,272	1,001	1,030	1,167	1,037	15,598
1978	999	1,243	1,283	1,843	2,546	1,661	1,314	1,372	1,011	1,099	1,362	1,036	16,769
1979	1,025	1,324	1,459	2,264	3,019	1,958	1,301	1,779	1,240	1,263	1,472	1,374	19,478
1980	1,332	1,798	1,792	2,588	3,123	2,029	1,458	1,706	1,372	1,285	1,708	1,451	21,642
1981	1,387	1,842	2,041	2,416	3,244	2,168	1,799	2,229	2,072	1,531	2,145	1,701	24,575

TURKEYS: HATCHERY PRODUCTION OF POULTS[3/]
Heavy Breeds (Thousands)

1977	1,323	2,268	3,790	4,149	4,549	3,954	3,029	1,676	925	619	531	1,115	27,928
1978	1,858	2,621	4,153	4,223	4,950	4,486	3,471	2,009	1,109	826	719	1,140	31,565
1979	2,283	3,043	4,064	4,663	4,871	4,223	3,255	1,868	1,021	955	1,011	1,405	32,662
1980	2,353	3,052	3,990	4,358	4,624	4,442	3,455	2,290	1,305	1,277	1,207	1,373	33,726
1981	2,375	3,267	3,939	4,322	5,079	4,731	3,467	1,984	1,311	1,478	1,308	1,408	34,669

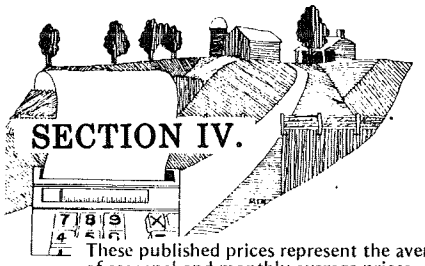
TURKEYS: HATCHERY PRODUCTION OF POULTS[3/]
Light Breeds (Thousands)

1977	690	628	703	704	766	740	782	551	131	421	357	452	6,925
1978	247	341	359	460	497	449	464	471	299	398	503	510	4,998
1979	305	483	551	642	730	732	672	590	558	614	620	708	7,205
1980	682	639	573	655	601	686	849	745	352	675	622	686	7,765
1981	704	574	570	564	597	668	587	432	79	-	251	535	5,561

TURKEYS: HATCHERY PRODUCTION OF POULTS[3/]
All Breeds (Thousands)

1977	2,013	2,896	4,493	4,853	5,315	4,694	3,811	2,227	1,056	1,040	888	1,567	34,853
1978	2,105	2,962	4,512	4,683	5,447	4,935	3,935	2,480	1,408	1,224	1,222	1,650	36,563
1979	2,588	3,526	4,615	5,305	5,601	4,955	3,927	2,458	1,579	1,569	1,631	2,113	39,867
1980	3,035	3,691	4,563	5,013	5,225	5,128	4,304	3,035	1,657	1,952	1,829	2,059	41,491
1981	3,079	3,841	4,509	4,886	5,676	5,399	4,054	2,416	1,390	1,478	1,559	1,943	40,230

1/ Annual data represents December previous year to November current year.
2/ Based on unrounded number layers and eggs per layer.
3/ Combined Minnesota-Wisconsin totals.



PRICES & CUSTOM RATES

These published prices represent the average received by farmers for all grades, weights, and classes. The tables provide a historical view of seasonal and monthly average prices. The season average price represents the average price received by Minnesota farmers during the marketing year. To calculate the season average price, the monthly prices are weighted by estimated percentages of sales made each month during the marketing season.

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 largest increase in prices were those received for potatoes. The season average price for 1980 is more than twice that received for the 1979 crop and the highest on record. This was brought about by reduced supplies for nearly all states. Prices received for corn and oats are also the highest on record while wheat and barley prices are the highest since 1974. No prices were below 1979.

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
1977	2.33	2.34	2.33	2.30	2.23	2.09	1.81	1.57	1.53	1.62	1.80	1.85	1.90
1978	1.80	1.86	1.97	2.12	2.18	2.16	2.00	1.84	1.78	1.76	1.83	1.89	2.08
1979	1.88	1.93	1.97	2.06	2.19	2.31	2.43	2.25	2.24	2.10	1.90	2.03	2.26
1980	2.04	2.04	2.06	2.13	2.21	2.29	2.47	2.68	2.74	2.77	2.86	2.99	3.05
1981	3.04	2.96	3.04	3.09	3.08	3.03	2.98	2.68	2.41	2.24	2.19	2.15	2.25[4/]

SOYBEANS[2/]
(Dollars per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	6.70	6.96	7.99	9.11	9.19	8.29	6.60	5.40	5.01	5.36	5.56	5.60	5.90
1978	5.43	5.30	6.07	6.53	6.61	6.45	6.29	6.09	6.03	6.04	6.14	6.26	6.52
1979	6.42	6.80	6.96	6.86	6.91	7.18	7.16	6.74	6.47	6.14	6.11	5.85	6.00
1980	5.87	5.83	5.41	5.41	5.53	5.80	6.46	6.95	7.24	7.33	8.05	7.44	7.10
1981	7.56	6.94	7.31	7.70	7.38	7.00	7.04	6.59	6.10	5.86	5.91	5.76	5.80[4/]

SUNFLOWERS[2/]
(Dollars per 100 Pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977													10.10
1978													11.50
1979										10.00	9.74	9.89	9.59
1980	8.81	8.34	7.85	7.86	8.19	8.52	10.00	10.60	10.30	10.50	10.90	11.30	10.80
1981	11.00	10.80	10.70	11.20	12.10	12.00	11.20	11.80	10.70	10.60	10.80	11.40	11.10[4/]

ALL WHEAT[3/]
(Dollars per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	2.58	2.67	2.68	2.61	2.47	2.28	2.22	2.17	2.37	2.49	2.57	2.57	2.47
1978	2.58	2.54	2.66	2.83	2.86	2.82	2.77	2.80	2.82	2.93	2.96	2.90	2.96
1979	2.84	2.86	2.88	2.97	3.25	3.64	3.92	3.81	3.71	3.88	3.82	3.64	3.71
1980	3.60	3.60	3.60	3.82	3.84	3.89	4.17	4.07	3.95	4.08	4.31	4.24	4.16
1981	4.28	4.38	4.25	4.25	4.20	4.07	3.97	3.76	3.79	3.84	3.80	3.76	3.74[4/]

OATS[3/]
(Dollars per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	1.58	1.59	1.63	1.67	1.50	1.24	.95	.83	.89	1.00	1.11	1.13	1.01
1978	1.12	1.09	1.10	1.15	1.22	1.13	1.02	1.02	1.04	1.06	1.11	1.14	1.12
1979	1.20	1.20	1.22	1.23	1.25	1.32	1.33	1.14	1.19	1.26	1.26	1.19	1.26
1980	1.33	1.24	1.24	1.35	1.38	1.40	1.45	1.39	1.57	1.67	1.82	1.83	1.75
1981	1.92	2.00	2.04	2.01	1.94	1.92	1.78	1.65	1.71	1.80	1.92	1.90	1.85[4/]

1/ Marketing year, October through September.
2/ Marketing year, September through August.
3/ Marketing year, July through June.
4/ Preliminary 1981.
NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS (Cont'd)

BARLEY 3/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	2.30	2.22	2.29	2.25	2.20	1.79	1.41	1.35	1.50	1.75	1.81	1.81	1.63
1978	1.73	1.81	1.86	1.92	2.00	1.93	1.65	1.64	1.71	1.87	1.93	1.96	1.87
1979	1.87	1.85	1.92	2.04	2.16	2.21	2.28	2.12	2.32	2.29	2.37	2.24	2.15
1980	2.04	2.11	2.14	2.05	2.10	2.29	2.60	2.56	2.75	2.87	2.98	3.01	2.95
1981	2.88	3.09	3.01	3.11	2.94	2.60	2.27	2.15	2.39	2.19	2.23	2.20	2.30 4/

ALL HAY, BALED 1/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	76.00	76.00	80.00	75.50	70.50	59.00	55.00	49.00	43.00	45.00	46.50	44.00	47.50
1978	42.00	43.50	42.50	43.00	47.00	42.00	44.50	44.50	43.50	39.50	41.00	41.00	41.00
1979	39.50	39.50	39.50	40.50	42.00	34.50	36.50	33.50	35.50	37.00	37.50	39.50	36.50
1980	36.50	37.00	36.00	36.00	40.50	50.00	46.00	57.00	63.00	60.00	63.00	58.00	67.50
1981	61.00	58.00	53.00	57.00	57.00	63.00	59.00	62.00	64.00	66.00	69.00	81.00	75.00 4/

ALFALFA HAY, BALED 1/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	80.00	80.00	84.00	79.50	74.00	62.00	58.00	52.50	45.00	47.00	49.00	46.50	2/
1978	45.00	46.00	45.00	45.50	50.00	44.50	47.00	47.00	45.50	41.50	43.50	43.50	2/
1979	42.00	42.00	42.00	43.00	44.50	36.00	37.00	34.50	36.50	38.50	40.50	40.50	2/
1980	38.00	39.00	37.00	38.00	41.50	52.00	47.00	59.00	68.00	62.00	68.00	62.00	2/
1981	64.00	60.00	54.00	60.00	58.00	65.00	63.00	66.00	71.00	70.00	74.00	87.00	2/

ALL OTHER HAY, BALED 1/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	60.00	60.00	65.00	61.00	58.50	48.50	44.50	35.00	34.50	36.50	36.50	35.00	2/
1978	31.00	33.50	33.00	33.50	36.50	33.00	35.50	34.00	35.00	31.50	31.50	31.00	2/
1979	30.00	31.00	30.00	31.50	32.00	26.00	31.50	28.00	27.00	27.50	28.00	31.50	2/
1980	30.00	28.00	29.00	26.00	32.00	30.00	34.00	50.00	44.00	54.00	46.00	45.00	2/
1981	53.00	51.00	48.00	48.00	52.00	54.00	44.00	45.00	45.00	56.00	53.00	70.00	2/

FLAXSEED 3/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	7.07	7.22	7.44	7.32	7.48	7.13	4.84	3.90	3.95	4.34	3.99	4.30	4.56
1978	4.05	4.06	4.31	4.83	5.44	5.97	5.36	5.29	5.31	5.21	5.32	5.36	5.70
1979	5.80	6.03	6.77	7.00	6.89	7.24	6.82	6.52	6.42	5.54	5.57	5.57	6.02
1980	5.39	5.83	5.94	5.40	5.94	6.07	6.80	7.10	7.13	6.88	7.14	7.56	7.15
1981	7.40	7.39	7.33	7.56	7.68	7.74	5/	7.18	6.40	6.33	6.61	7.18	6.90 4/

POTATOES 3/
(Dollars Per 100 Pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average Price
1977	2.85	3.80	3.90	4.40	4.90	5.50	5.50	2.82	2.73	2.55	2.65	2.60	2.77
1978	2.65	2.75	2.75	2.90	2.95	2.90	6.00	5.12	3.47	2.40	2.60	2.75	2.95
1979	2.93	2.81	2.70	2.75	3.00	3.00	5.00	3.53	2.78	2.82	2.65	2.84	3.11
1980	3.50	3.30	3.15	3.00	3.30	3.50	3.60	9.90	6.95	4.90	4.90	6.55	8.00
1981	7.80	8.10	9.50	10.70	10.70	5/	9.20	7.50	6.35	4.75	4.40	4.80	5.30 4/

1/ Marketing year, June through May. 2/ Not available. 3/ Marketing year, July through June. 4/ Preliminary 1981. 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. Monthly prices do not include this allowance.

Livestock 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 1981 annual average prices for livestock declined from 1980 prices. The largest price declines occurred for cows, turkeys, calves, and lambs. The 1981 annual average prices for hogs, replacement milk cows, and eggs were higher than 1980.

The 1981 preliminary annual average price for all milk was 69 cents higher than a year earlier. Manufacturing grade milk was up 76 cents and grade A milk was up 65 cents. The increase was strong through September for all milk and grade A milk and through November for manufacturing grade milk. Prices then dropped below a year earlier.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK

BEEF CATTLE[1/]
(Dollars per 100 Pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1977	29.80	30.60	31.00	32.20	33.60	32.60	33.20	32.60	32.00	31.10	30.50	30.50	31.60
1978	34.30	37.00	39.50	43.30	46.80	48.20	46.30	44.80	45.50	45.70	44.80	48.20	43.50
1979	54.30	57.60	60.40	65.00	64.50	63.00	60.10	56.50	58.50	55.90	55.40	56.00	58.90
1980	56.10	60.20	57.60	54.10	54.20	55.60	55.40	57.40	58.40	55.20	53.10	51.50	55.70
1981	51.40	52.20	51.80	51.80	53.00	54.50	52.30	51.80	53.80	47.80	47.10	43.50	50.80

STEERS AND HEIFERS
(Dollars per 100 Pounds)

1977	35.90	35.70	35.50	36.70	39.40	37.80	38.50	37.60	37.60	38.80	38.70	38.90	37.60
1978	40.20	42.20	44.20	49.30	52.60	54.80	52.00	49.20	51.50	51.90	50.30	52.70	49.10
1979	58.30	62.20	67.00	72.00	70.20	67.20	64.30	60.20	63.00	61.90	62.50	62.60	64.20
1980	62.20	65.20	62.60	58.40	58.30	60.40	62.60	64.50	64.40	61.40	60.70	59.50	61.70
1981	57.40	58.10	56.90	57.00	58.30	59.70	58.10	57.10	59.20	54.50	54.10	52.00	57.00

COWS[2/]
(Dollars per 100 Pounds)

1977	24.80	25.80	27.30	28.40	28.40	26.30	27.00	26.10	26.50	24.80	24.70	25.10	26.10
1978	28.50	31.80	34.20	37.10	40.30	39.80	40.10	38.10	39.60	40.60	39.90	42.40	37.50
1979	48.70	51.90	53.20	55.10	57.20	51.20	50.30	48.80	49.60	47.00	45.80	47.60	50.70
1980	48.40	50.40	48.20	46.60	43.00	45.20	44.50	46.40	47.00	45.80	43.40	41.50	45.80
1981	42.90	44.10	43.60	44.30	43.30	43.20	43.00	43.80	41.90	38.50	36.60	34.90	41.40

CALVES
(Dollars per 100 Pounds)

1977	36.40	37.20	37.10	39.40	43.80	40.30	39.50	40.30	39.40	38.60	37.40	36.60	38.80
1978	40.00	43.30	47.30	55.90	61.20	61.60	63.40	66.30	67.40	68.00	65.00	68.10	58.20
1979	71.50	79.20	87.20	91.30	95.40	86.40	83.20	78.30	90.00	80.00	77.00	75.30	81.90
1980	84.70	91.30	77.50	75.70	72.20	78.40	79.10	80.50	79.50	72.70	71.50	69.20	78.30
1981	72.00	70.60	70.30	75.00	71.70	74.60	70.40	71.20	68.90	61.00	58.70	57.80	67.40

1/ "Cows" and "Steers and Heifers" combined.
2/ Includes beef cows and cull dairy cows sold for slaughter but not dairy cows for herd replacement.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK (CONTINUED)

HOGS[1/]
(Dollars per 100 Pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1977	37.80	39.10	36.80	35.50	41.00	41.70	44.80	42.30	39.60	39.70	36.60	40.90	39.10
1978	44.10	48.20	47.10	45.30	48.70	47.80	45.40	47.40	47.60	51.10	46.90	47.80	46.70
1979	51.10	53.30	50.00	44.30	43.90	39.00	37.10	34.80	36.50	33.10	33.80	37.00	42.00
1980	36.60	37.00	33.90	28.50	28.70	32.60	41.50	46.60	46.30	47.50	45.70	43.80	38.30
1981	40.70	41.40	38.90	39.00	40.10	47.50	49.50	49.30	48.90	45.00	40.30	38.40	43.60

SHEEP
(Dollars per 100 Pounds)

1977	12.50	13.60	15.40	13.80	12.60	12.40	12.30	12.50	15.90	15.20	14.50	18.00	14.30
1978	20.10	17.70	19.30	18.20	18.00	19.60	20.40	21.70	24.90	23.50	22.50	23.70	20.90
1979	27.50	28.90	29.00	28.20	26.00	25.00	23.10	22.90	23.70	21.50	20.40	26.50	24.60
1980	22.60	21.50	21.50	19.50	16.80	15.40	16.30	14.80	15.30	16.10	15.40	19.30	17.00
1981	19.30	20.40	21.20	19.10	14.70	14.50	18.60	18.00	15.30	13.40	13.90	15.20	16.40

LAMBS
(Dollars per 100 Pounds)

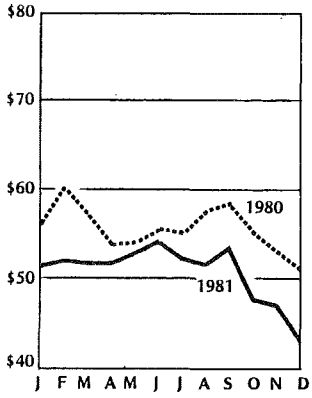
1977	51.10	51.40	47.10	50.20	58.30	53.80	51.90	51.60	54.10	55.50	52.80	57.70	52.70
1978	62.40	66.40	69.90	64.20	69.80	64.10	57.10	57.80	65.00	66.20	61.80	65.10	64.00
1979	78.20	73.50	64.50	69.70	71.30	66.70	63.30	60.00	65.70	64.00	65.40	67.30	66.90
1980	66.10	64.20	66.70	59.80	61.30	65.40	67.20	65.80	66.80	63.60	57.70	55.90	63.20
1981	51.30	53.10	55.30	58.80	63.80	66.40	60.00	55.60	52.40	52.30	48.90	45.10	52.90

WOOL
(Cents per Pound)

1977	65	67	67	68	65	65	66	64	65	65	66	67	66
1978	67	67	67	66	66	67	67	66	67	68	69	69	67
1979	69	70	71	72	73	70	66	67	68	68	74	71	71
1980	73	76	79	75	67	67	66	66	67	68	71	72	73
1981	72	73	71	67	68	71	67	68	69	70	64	64	70

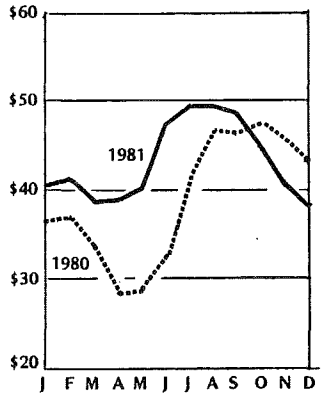
1/ Annual average price is the marketing year average--December previous year through November current year.

MINNESOTA BEEF CATTLE PRICES[1/]

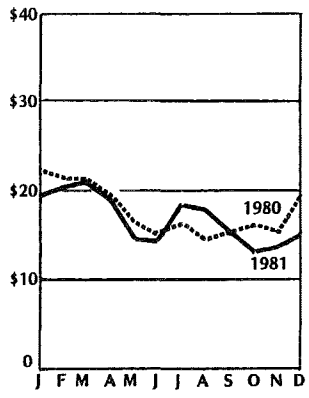


1/ "Cows" and "Steers and Heifers" combined.

MINNESOTA HOG PRICES



MINNESOTA SHEEP PRICES



MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR MILK COWS AND DAIRY PRODUCTS

MILK COWS[1/]
(Dollars per Head)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1977	455	455	475	490	475	460	485	460	485	495	510	515	480
1978	525	530	565	605	620	640	650	655	725	770	780	795	655
1979	860	920	965	995	1,010	980	975	995	1,030	1,020	1,030	1,050	985
1980	1,100	1,120	1,120	1,150	1,170	1,170	1,150	1,150	1,170	1,180	1,200	1,180	1,160
1981	1,200	1,190	1,190	1,190	1,180	1,180	1,180	1,190	1,180	1,170	1,160	1,130	1,180

ALL WHOLESALE MILK
(Dollars per 100 Pounds)

1977	8.53	8.45	8.48	8.73	8.71	8.72	8.75	8.82	9.04	9.21	9.26	9.31	8.81
1978	9.28	9.33	9.40	9.48	9.47	9.46	9.54	9.90	10.25	10.71	11.02	11.15	9.86
1979	11.07	10.97	11.00	11.06	11.07	11.01	11.09	11.40	11.71	11.93	12.01	11.98	11.32
1980	11.98	11.95	12.07	12.10	12.04	12.02	12.00	12.21	12.65	13.20	13.36	13.42	12.40
1981*	13.34	13.22	13.25	13.14	12.98	12.89	12.80	12.81	13.04	13.17	13.27	13.20	13.09

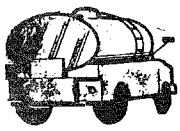
FLUID MARKET WHOLESALE MILK
(Dollars per 100 Pounds)

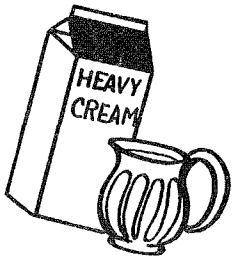
1977	8.86	8.77	8.75	8.94	8.90	8.94	8.98	9.04	9.30	9.45	9.51	9.57	9.07
1978	9.56	9.61	9.66	9.75	9.76	9.74	9.81	10.14	10.52	10.95	11.30	11.50	10.15
1979	11.44	11.35	11.38	11.41	11.42	11.37	11.49	11.71	12.02	12.23	12.35	12.32	11.69
1980	12.31	12.30	12.42	12.42	12.34	12.30	12.27	12.48	12.93	13.51	13.65	13.71	12.71
1981*	13.65	13.50	13.59	13.45	13.22	13.14	13.04	13.07	13.30	13.40	13.50	13.44	13.36

MANUFACTURING GRADE WHOLESALE MILK
(Dollars per 100 Pounds)

1977	8.22	8.15	8.22	8.55	8.54	8.52	8.53	8.60	8.78	8.95	8.97	9.02	8.56
1978	8.99	9.05	9.14	9.21	9.19	9.20	9.27	9.64	9.95	10.42	10.68	10.74	9.54
1979	10.67	10.55	10.60	10.69	10.70	10.64	10.68	11.06	11.35	11.54	11.58	11.55	10.92
1980	11.52	11.49	11.60	11.70	11.65	11.66	11.65	11.83	12.26	12.73	12.92	12.98	11.96
1981*	12.92	12.84	12.79	12.71	12.65	12.54	12.47	12.45	12.69	12.86	12.95	12.86	12.72

1/ Milk cows sold for dairy herd replacement only.
*Preliminary





MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR POULTRY

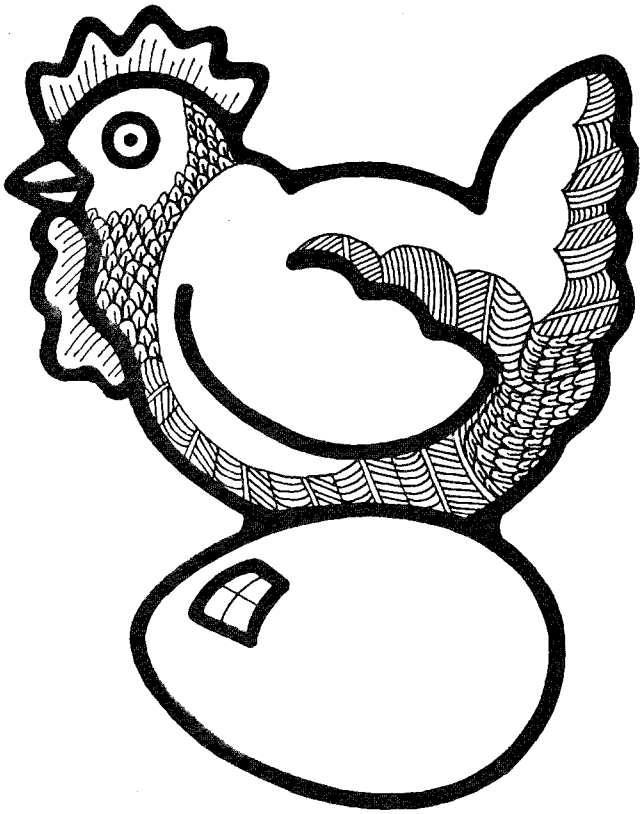
TURKEYS
(Cents Per Pound)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1977	29.0	29.0	32.0	33.0	33.0	32.0	31.0	32.0	33.0	35.0	37.0	39.0	33.4
1978	37.0	36.0	37.0	36.0	38.0	40.0	40.0	42.0	43.0	45.0	46.0	49.0	42.4
1979	47.0	44.0	42.0	43.0	40.0	37.0	36.0	37.0	37.0	38.0	45.0	46.0	40.0
1980	37.0	35.0	34.0	32.0	31.0	31.0	38.0	40.0	44.0	47.0	48.0	42.0	40.0
1981	36.0	35.0	38.0	36.0	39.0	39.0	40.0	38.0	36.0	31.0	34.0	31.0	36.0

EGGS[1/]
(Cents Per Dozen)

1977	49.0	52.4	50.4	48.1	40.2	35.1	36.2	41.3	42.5	37.5	41.8	43.3	44.4
1978	38.1	43.0	46.3	43.0	38.3	35.2	39.7	40.4	42.4	42.2	45.5	54.5	41.5
1979	51.8	49.8	55.3	52.7	50.4	47.2	45.4	44.3	47.6	43.1	48.2	53.6	49.3
1980	47.8	38.5	44.4	43.2	35.3	37.6	38.9	47.3	49.1	46.7	54.8	65.9	44.9
1981	53.9	49.8	49.1	52.0	42.5	46.0	47.0	48.3	53.5	54.9	59.7	N/A	52.0

1/ Marketing year average-December previous year through November current year.



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/
1977	7.70	7.70	7.80	7.50	7.70	7.60	7.50	7.00	6.50	6.40	6.50	6.90	7.23
1978	7.00	7.10	7.10	7.20	7.00	7.00	6.90	6.70	6.80	6.90	7.40	7.70	7.07
1979	7.90	8.10	8.30	8.40	8.20	8.00	8.40	8.10	8.10	8.40	8.40	8.40	8.23
1980	8.40	8.30	8.30	8.20	8.10	8.00	8.10	8.10	8.20	8.50	9.00	9.40	8.38
1981	9.10	9.20	9.30	9.10	9.20	9.20	9.00	8.90	8.70	8.70	8.80	8.60	8.98

MIDDLINGS
(Dollars Per Cwt.)

1977	7.50	7.50	7.40	7.40	7.50	7.40	7.30	6.80	6.30	6.00	6.20	6.70	7.00
1978	6.80	6.70	6.80	6.90	6.80	6.70	6.70	6.50	6.50	6.70	7.10	7.40	6.80
1979	7.80	7.90	8.10	8.30	7.90	7.90	8.30	8.00	7.90	8.30	8.30	8.10	8.07
1980	8.20	8.10	8.20	8.00	7.70	7.80	7.40	8.00	8.00	8.10	8.80	8.90	8.10
1981	8.80	8.80	8.70	8.80	8.90	9.10	8.90	8.60	8.40	8.60	8.50	8.40	8.71

SOYBEAN MEAL,44%
(Dollars Per Cwt.)

1977	11.90	12.20	13.00	15.00	15.60	14.60	11.90	10.40	9.80	9.40	10.10	10.10	12.00
1978	10.30	9.70	10.40	11.20	11.00	11.20	11.00	10.50	10.70	10.90	11.50	11.60	10.83
1979	11.70	11.90	12.00	12.10	12.10	12.60	13.50	12.40	12.10	12.10	11.60	12.00	12.18
1980	11.60	11.60	11.50	10.50	11.00	11.00	12.00	13.00	13.50	14.50	16.00	15.00	12.60
1981	14.50	13.70	13.00	13.50	13.50	13.50	13.00	13.00	12.50	12.00	11.50	12.00	12.98

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

1977	10.10	10.30	11.00	11.30	11.50	11.10	9.90	9.10	8.80	8.80	9.40	9.40	10.06
1978	9.50	9.10	9.30	9.70	9.60	9.50	9.70	9.30	9.30	9.80	10.10	10.30	9.60
1979	10.30	10.50	10.70	10.20	10.10	10.60	11.30	10.70	10.80	11.30	10.90	11.50	10.74
1980	11.00	10.90	10.80	10.50	10.50	10.50	11.00	12.00	12.00	12.50	13.50	13.00	11.52
1981	13.00	12.20	12.00	12.50	12.50	12.50	12.00	12.00	12.00	11.50	11.50	12.50	12.18

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

1977	13.80	13.80	14.60	15.70	16.50	15.60	13.40	12.20	12.00	11.80	12.40	12.30	13.68
1978	12.30	11.80	12.40	13.10	12.80	13.10	13.10	12.60	12.90	13.20	13.60	13.80	12.89
1979	13.70	14.00	14.40	14.40	14.20	14.60	15.60	14.30	14.20	14.50	14.10	14.50	14.38
1980	14.00	14.30	14.30	13.50	14.00	13.40	14.60	15.60	16.30	17.00	18.50	17.60	15.26
1981	17.00	15.90	15.50	16.00	16.50	16.00	16.10	16.10	15.40	15.30	14.90	15.20	15.83

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

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES (CONTINUED)

Dairy Feed, 16%
(Dollars Per Ton)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Average Price 1/
1977	140	146	143	144	154	146	132	116	115	111	119	123	132
1978	125	120	122	126	128	134	129	124	126	128	133	131	127
1979	132	138	137	137	139	144	158	144	147	150	147	154	144
1980	151	146	148	147	154	151	157	169	174	177	188	190	163
1981	198	180	173	178	185	182	177	174	168	167	162	166	176

DAIRY FEED, 32%
(Dollars Per Ton)

1977	215	220	235	235	260	245	210	194	186	175	194	193	214
1978	199	190	198	205	210	210	205	197	198	205	215	215	204
1979	215	220	230	225	220	230	245	230	230	245	230	240	230
1980	230	235	235	225	235	235	245	275	275	280	305	300	256
1981	300	275	280	280	290	280	270	275	270	265	265	255	275

LAYING FEED
(Dollars Per Ton)

1977	170	175	176	183	192	182	166	153	150	147	156	158	167
1978	157	156	161	163	175	165	163	156	156	163	160	168	162
1979	167	169	170	173	175	178	186	176	177	178	183	192	177
1980	185	172	171	173	181	182	185	193	210	192	200	215	188
1981	215	205	220	215	220	220	205	198	210	200	196	210	210

CHICK STARTER
(Dollars Per Ton)

1977	199	200	205	210	215	205	193	175	173	171	180	185	193
1978	185	182	185	193	191	194	194	185	186	190	196	200	190
1979	197	200	205	200	200	205	225	210	210	215	210	215	208
1980	210	205	210	205	210	210	220	230	240	240	250	260	224
1981	260	245	240	245	255	245	245	240	235	230	225	230	241

BROILER GROWER
(Dollars Per Ton)

1977	154	154	164	173	175	173	153	141	145	145	149	149	156
1978	152	161	155	164	162	164	162	154	151	160	158	168	159
1979	161	163	159	168	173	172	193	169	175	180	179	185	173
1980	180	168	177	181	185	182	191	205	205	220	240	245	198
1981	235	230	220	230	235	235	245	225	235	220	210	220	228

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

MINNESOTA MONTHLY PRICES PAID BY FARMERS FOR SELECTED COMMODITIES (CONTINUED)

CORN MEAL
(Dollars Per Cwt.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Average Price 1/
1977	5.60	5.60	5.70	5.60	5.40	5.40	5.10	4.60	4.30	4.05	4.30	4.50	5.01
1978	4.60	4.50	4.55	4.90	4.85	4.95	4.90	4.80	4.75	4.70	4.70	4.85	4.75
1979	4.75	4.75	4.80	4.95	5.00	5.30	5.70	5.40	5.40	5.40	5.30	5.50	5.19
1980	5.30	5.30	5.40	5.20	5.50	5.40	5.90	6.00	6.10	5.80	6.30	5.90	5.68
1981	6.30	6.20	6.10	6.30	6.50	6.50	6.60	6.20	6.10	5.80	5.80	5.00	6.12

GASOLINE (SERVICE STATION), UNLEADED REGULAR 2/
(Dollars Per Gallon)

1977													
1978	.630	.640	.640	.640	.640	.650	.650	.660	.670	.680	.680	.690	.660
1979	.700	.720	.740	.790	.830	.880	.930	.990	1.01	1.03	1.05	1.07	.890
1980	1.11	1.17	1.23	1.26	1.29	1.29	1.28	1.28	1.27	1.26	1.26	1.27	1.250
1981	1.29	1.38	1.42	1.41	1.40	1.40	1.38	1.39	1.38	1.38	1.38	1.38	1.380

LEADED REGULAR GASOLINE, BULK DELIVERY
(Dollars Per Gallon)

1977	.560	.570	.570	.580	.590	.590	.590	.590	.600	.590	.590	.590	.580
1978	.590	.590	.590	.590	.600	.610	.610	.620	.630	.630	.630	.640	.610
1979	.650	.670	.690	.730	.760	.820	.860	.920	.940	.960	.980	1.00	.830
1980	1.04	1.10	1.16	1.19	1.22	1.23	1.21	1.21	1.19	1.19	1.20	1.22	1.180
1981	1.24	1.31	1.35	1.34	1.32	1.33	1.32	1.33	1.31	1.31	1.32	1.32	1.320

DIESEL FUEL
(Dollars Per Gallon)

1977	.440	.450	.450	.460	.460	.460	.460	.470	.460	.470	.470	.470	.460
1978	.470	.460	.460	.450	.450	.460	.460	.460	.460	.460	.470	.490	.460
1979	.500	.510	.540	.600	.630	.690	.730	.800	.840	.850	.870	.890	.700
1980	.920	.950	.980	.990	1.02	1.02	1.01	.990	1.00	.980	1.01	1.03	.990
1981	1.05	1.16	1.19	1.19	1.17	1.17	1.16	1.16	1.16	1.16	1.16	1.16	1.160

LP GAS
(Dollars Per Gallon)

1977	.370	.380	.380	.380	.390	.400	.390	.400	.420	.410	.410	.420	.400
1978	.430	.430	.430	.420	.420	.420	.420	.410	.410	.400	.400	.400	.420
1979	.400	.400	.390	.390	.390	.410	.440	.450	.470	.490	.520	.550	.440
1980	.570	.600	.620	.610	.600	.610	.610	.610	.620	.610	.620	.660	.610
1981	.670	.680	.690	.700	.690	.690	.710	.700	.680	.690	.690	.690	.690

1/ Annual average prices are straight rather than weighted averages.
2/ Series began in 1978.

Custom Rates

The suggested custom rates provided by the University of Minnesota's Ag Extension Service in the following table have been calculated by formula from the most recent farm machinery, energy, and labor prices available. Estimated custom rates can provide reasonable estimates as a base for determining a negotiated rate between a purchaser and a supplier of custom services.

Custom rates will vary from area to area and are always a function of the demand for and the supply of those custom services. A more complete listing of machinery may be obtained from Extension Folder 590; University of Minnesota Ag Extension Service, St. Paul, Mn 55108 (phone 612-373-1145).

1982 CUSTOM RATE ESTIMATES FOR MINNESOTA*

Machine	Tractor HP	Cash Operating Costs 1/		Total Costs 2/		Suggested Custom Rates Per Hour 3/	
		Per Hour	Per Acre	Per Hour	Per Acre	Per Hour	Per Acre
		Dollars					
TILLAGE EQUIPMENT:							
Plow 3-16	60	6.91	3.96	22.38	12.82	26.54	15.21
Plow 4-16	75	9.56	4.11	30.94	13.30	36.43	15.66
Plow 6-16	120	15.84	4.54	46.35	13.28	54.25	15.54
Plow 8-16	160	20.82	4.48	56.47	12.14	66.45	14.28
Plow 10-18	225	29.80	4.55	83.02	12.68	97.83	14.95
Plow 12-18	275	35.56	4.53	97.21	12.38	116.10	14.78
Chisel Plow 15 Ft.	120	13.73	2.10	39.52	6.04	46.83	7.16
Chisel Plow 20 Ft.	160	18.83	2,16	51.93	5.95	61.02	6.99
Chisel Plow Wing 29	250	28.73	2.27	84.76	6.70	100.12	7.91
Chisel Plow Wing 35	300	33.64	2.20	94.93	6.22	112.63	7.37
Field Cultivator 12	75	8.29	1.37	25.21	4.16	28.96	4.78
Field Cultivator 28	160	18.90	1.39	49.26	3.63	59.11	4.35
Field Cultivator 37	225	25.91	1.44	67.21	3.75	80.67	4.50
Disk 10 Ft.	60	7.30	1.51	25.80	5.32	30.96	6.39
Disk 20 Ft.	100	14.38	1.48	50.82	5.24	60.97	6.29
Disk 24 Ft.	120	17.52	1.51	61.18	5.26	73.25	6.29
Disk 32 Ft.	160	23.37	1.51	77.65	5.00	92.95	5.99
Disk 40 Ft.	180	27.64	1.43	94.32	4.86	126.21	6.51
Disk Offset 14 Ft.	140	17.33	2.84	52.61	8.61	63.16	10.34
Disk Offset 18 Ft.	180	22.31	2.84	63.95	8.14	76.61	9.75
Disk-Wing Offset 23	225	27.42	2.73	85.47	8.52	102.36	10.20
Landplane 45-12 Ft	180	19.35	3.02	59.25	9.26	71.10	11.11
Landplane 54-15 Ft.	225	23.38	2.92	83.44	10.43	100.13	12.52
Springtooth Drag 30	60	7.02	.44	44.02	2.75	52.83	3.30
Springtooth Drag 48	75	9.48	.31	63.57	2.10	76.23	2.52
PLANTING EQUIPMENT:							
Corn Planter 4-38	40	9.07	1.88	45.53	9.42	54.64	11.30
Corn Planter 6-30	60	13.37	2.34	62.49	10.91	74.24	12.96
Corn Planter 8-30	75	18.31	2.40	84.78	11.10	101.50	13.29
Min-Til Planter 8-38	75	19.72	2.66	92.55	12.47	118.84	16.01
Min-Til Planter 12-3	120	30.73	3.45	136.61	15.33	198.18	22.25
Min-Til Planter 4-38	40	10.17	2.71	51.60	13.73	58.59	15.58
Min-Til Planter 6-30	60	14.84	3.33	70.60	15.85	79.33	17.81
Min-Til Planter 8-30	75	20.35	3.43	96.06	16.17	107.42	18.09
Potato Planter 4-Row	120	23.29	6.08	82.13	21.44	95.97	25.06
Beet Planter 12-Row	100	14.82	3.17	55.86	11.97	67.03	14.36
Grain Drill Plow 14 Ft.	40	8.11	1.46	33.52	6.01	40.08	7.19
Grain Drill Plow 20 Ft.	75	17.48	2.19	64.29	8.07	76.98	9.67
Grain Drill Plow 28 Ft.	100	25.67	2.30	92.29	8.28	110.24	9.89
MISCELLANEOUS EQUIPMENT:							
Light Truck	---	11.10	7.32	21.18	13.98	27.44	18.11
Medium Truck	---	19.82	13.08	34.90	23.04	46.00	30.36
Heavy Truck	---	34.88	23.02	57.97	38.26	77.00	50.82
Manure Spreader 150	75	7.77	2.23	27.63	7.91	34.50	9.88
Manure Spreader 225	100	11.08	3.17	39.05	11.19	49.03	14.05
Wagon	40	4.46	1.18	21.75	5.75	26.23	6.93
Forage Wagon 14 Ft.	40	4.88	2.95	24.67	14.91	31.88	19.27

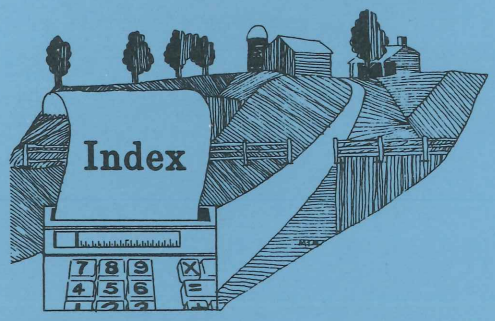
Machine	Tractor HP	Cash Operating Costs 1/		Total Costs 2/		Suggested Custom Rates Per Hour 3/	
		Per Hour	Per Acre	Per Hour	Per Acre	Per Hour	Per Acre
		Dollars					
MAINTENANCE EQUIPMENT:							
Cultivator 4-38	40	5.00	1.02	19.98	4.07	23.88	4.86
Cultivator 8-30	75	9.07	1.17	30.66	3.95	36.73	4.74
Cultivator 12-30	140	16.82	1.45	49.60	4.26	66.61	5.72
Rotary Hoe 16	40	4.86	.45	28.31	2.61	33.77	3.11
Potato Cultivator 4-Row	75	9.07	1.48	25.27	4.12	30.35	4.95
Beet Cultivator 12-Row	100	12.34	2.06	47.86	7.98	57.43	9.57
Beet Thinner 12-Row	120	23.20	5.52	95.50	22.74	114.60	27.28
Sprayer 30 Ft.	40	6.90	.49	29.71	2.10	35.60	2.51
Sprayer Hi Pres 50 Ft.	60	9.84	.42	34.29	1.45	41.11	1.74
Anhydrous Applicator	120	15.08	1.69	54.73	6.14	63.07	7.08
Fertilizer Spreader 40	60	6.99	.18	44.98	1.16	131.98	3.40
Shredder 12 Ft.	60	7.31	1.68	29.48	6.76	35.27	8.08
HARVESTING EQUIPMENT:							
Swather-Cond. 12 Ft.	---	8.17	1.50	49.82	9.13	59.42	10.89
Swather-Cond. 15 Ft.	---	9.04	1.33	58.25	8.54	69.46	10.19
Swather 18 Ft.	---	9.01	1.03	58.16	6.66	69.66	7.98
1 Ton Stacker	60	9.26	2.23	30.84	7.44	36.22	8.74
3 Ton Stacker	75	14.85	3.07	44.69	9.24	52.06	10.76
Baler PTO Twine	40	6.38	1.69	26.11	6.90	29.45	7.79
Round Baler	60	9.22	1.99	31.23	6.74	36.41	7.85
Rotary Mower	40	4.94	1.81	18.28	6.70	21.84	8.01
Rake (HYD)	40	4.93	1.41	17.21	4.93	23.31	6.68
Forage Harv. 2 Row	100	15.10	9.12	61.47	37.15	71.14	43.00
For. Harv. 2 Row SP	---	27.26	13.38	109.87	53.96	125.17	61.47
Forage Blower Lg.	60	6.54	6.54	27.32	27.32	23.62	23.62
Corn Picker 2-38	40	9.53	6.40	40.00	26.86	50.51	33.92
Picker-Sheller 2-Row	60	10.57	7.10	39.92	26.81	50.02	33.59
Combine Sm Grain Med	Med	34.19	7.23	84.38	17.85	99.85	21.12
Combine Soybeans Med	Med	34.69	8.39	86.32	20.87	101.73	24.60
Combine Corn 2-38 Sm	Sml	29.25	19.64	72.10	48.42	84.91	57.02
Combine Corn 4-38Med	Med	38.56	12.89	94.37	31.54	112.24	37.51
Combine Corn 4-30Med	Med	38.33	14.74	93.72	36.05	111.40	42.85
Combine Corn 8-30 Lg	Lg	49.18	10.40	119.57	25.29	141.72	29.98
Potato Harvester 2-Row	120	18.36	7.37	83.65	33.60	97.39	39.12
Beet Lifter 6 Row	120	18.44	3.55	104.98	20.19	125.22	24.08
Beet Topper 6 Row	100	13.68	2.14	58.18	9.09	69.33	10.83
Beet Wagon 8 Ton	75	8.08	2.33	37.58	10.84	44.89	12.96

1/ CASH OPERATING COSTS: These costs, provided on a per-hour and per-acre basis, are estimates of the costs of fuel (diesel), oil, and repairs for the tractor and the implement as used for the particular function described. Labor cost estimates are NOT included in this figure.

2/ TOTAL COSTS: Total costs provide estimates of all costs associated with carrying out the particular function. These costs include cash operating costs, labor, and overhead costs for the tractor and implement. Labor is valued at $5.20 per hour for unskilled labor and $7.00 per hour for skilled labor.

3/ SUGGESTED CUSTOM RATES: The suggested custom rate values include an additional 20% over the total cost figures. This margin provides a profit to the custom operator and a return for the risk and travel expenses involved. Many times a custom operator will cover more acres annually than a commercial farmer. Therefore, for popular custom services the overhead costs may be spread over more acres and hours, thereby reducing the total costs.

*SOURCE: 1982 CUSTOM RATE ESTIMATES FOR MINNESOTA (F. Benson, S. Waldorf), Agricultural Extension Service, University of Minnesota, Extension Folder 590.



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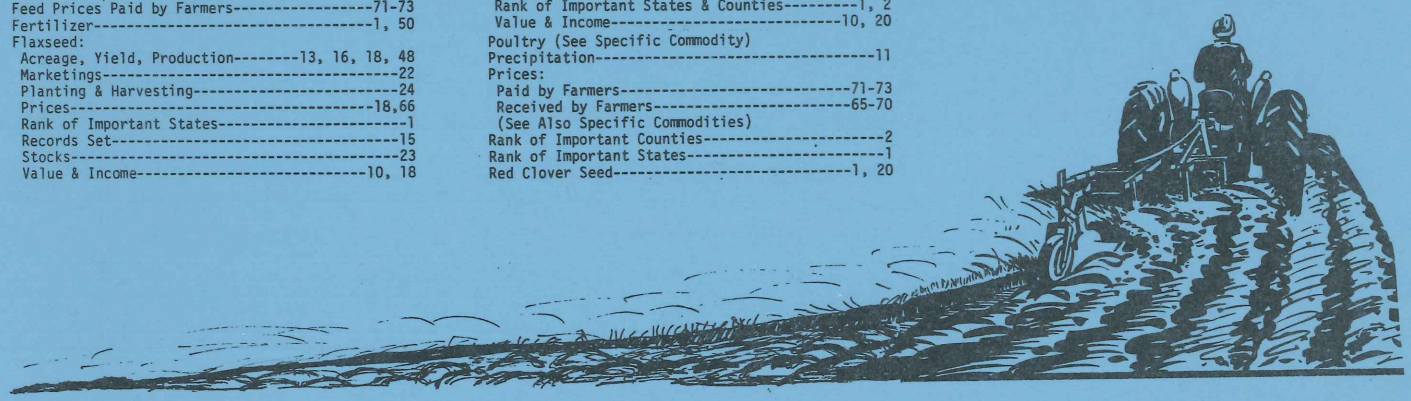

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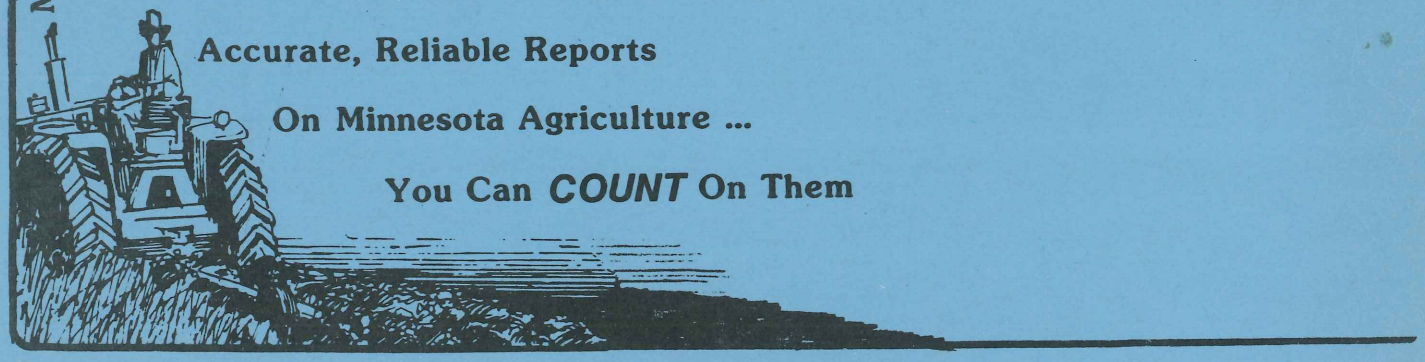

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