

**NORTH DAKOTA GRAIN AND OILSEED
TRANSPORTATION STATISTICS
1990-91**

By

**Don Leapoldt
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**UGPTI Publication No. 86
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in cooperation with

**North Dakota Wheat Commission
Bismarck, North Dakota**

and

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*With special thanks to
the North Dakota Grain Elevator Industry
who provide these data monthly.*

PREFACE

The 1990-91 North Dakota Grain and Oilseed Transportation Statistics Report was prepared by Don Leopoldt and Daniel L. Zink, Upper Great Plains Transportation Institute. The authors gratefully acknowledge the desktop publishing assistance of Ms. Angela Carroll in constructing this report.

This report represents a continuation of analysis concerned with the patterns and methods of distributing grains and oilseeds from North Dakota. This series began with the analysis of 1956-57 data and was published in Agricultural Economics Reports 15, 17, 44, and 56, and Agricultural Experiment Station Bulletin 462. The compilation and analysis of data for the year 1967-68 in this series was assumed by the Upper Great Plains Transportation Institute. Also, the data representing the 1967-68 period were the first results of the requirements of the North Dakota Public Service Commission that all North Dakota elevators report monthly movements of grains and oilseeds by truck and rail. Prior to 1967-68, these data had been estimated from questionnaires completed by a sample of country elevators.

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NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS 1990-91

Objective of Report

The report represents a continuation of analysis concerned with the patterns and methods of distributing grain from North Dakota. The collection and compilation of this type of data began in 1956-57. The objectives of this report, like prior reports, is to provide the necessary data base for identifying trends in the distribution of grain and oilseeds from North Dakota.

Scope of Report

Data are tabulated according to major characteristics which typically describe commodity flows. The major shipment characteristics considered are: destination, mode, origin, time and commodity. These characteristics are defined as follows:

- ◆ **Destination:** Minneapolis-St. Paul, Duluth-Superior, West (ID, OR, WA), and miscellaneous markets. Miscellaneous markets consist of Other Minnesota/Wisconsin, Midland/Southwest States (AR, AZ, CA, CO, IA, KS, LA, MO, MT, NE, NM, NV, OK, SD, TX, and WY), North Dakota and other destinations. For two commodities (barley and sunflower) the Pacific Northwest market has become a less significant market. For these commodities, therefore, the top three market destinations are reported.
- ◆ **Mode:** Rail or truck. Rail includes Commodity Credit Corporation shipments.
- ◆ **Origin:** The nine crop reporting districts in North Dakota (Figure 1).
- ◆ **Time:** By month, from July 1990 to June 1991, and previous years.
- ◆ **Commodity:** Hard red spring wheat, durum, barley, sunflower, oats, soybeans, flax and corn.

Source of Data

The data used to analyze North Dakota grain distribution patterns for the period July 1990 through June 1991 were obtained from all country elevators in North Dakota. The data source is the North Dakota Public Service Commission's "Grain Movement Report." Every country elevator in North Dakota is required under state statute to assemble and submit a "Grain Movement Report" to the Public Service Commission on a monthly basis.

Organization of the Remainder of the Report

The same general commodity flow characteristics are considered in this report as in previous years' reports. Flow patterns for each type of grain are described in separate sections in the following order: (1) Total grain and oilseed shipments, (2) Hard red spring wheat, (3) Durum, (4) Barley, (5) Sunflower, (6) Oats, (7) Soybeans, (8) Flax, and (9) Corn.

Some small inconsistencies in totals may be noted when comparing tables and graphs due to rounding error.

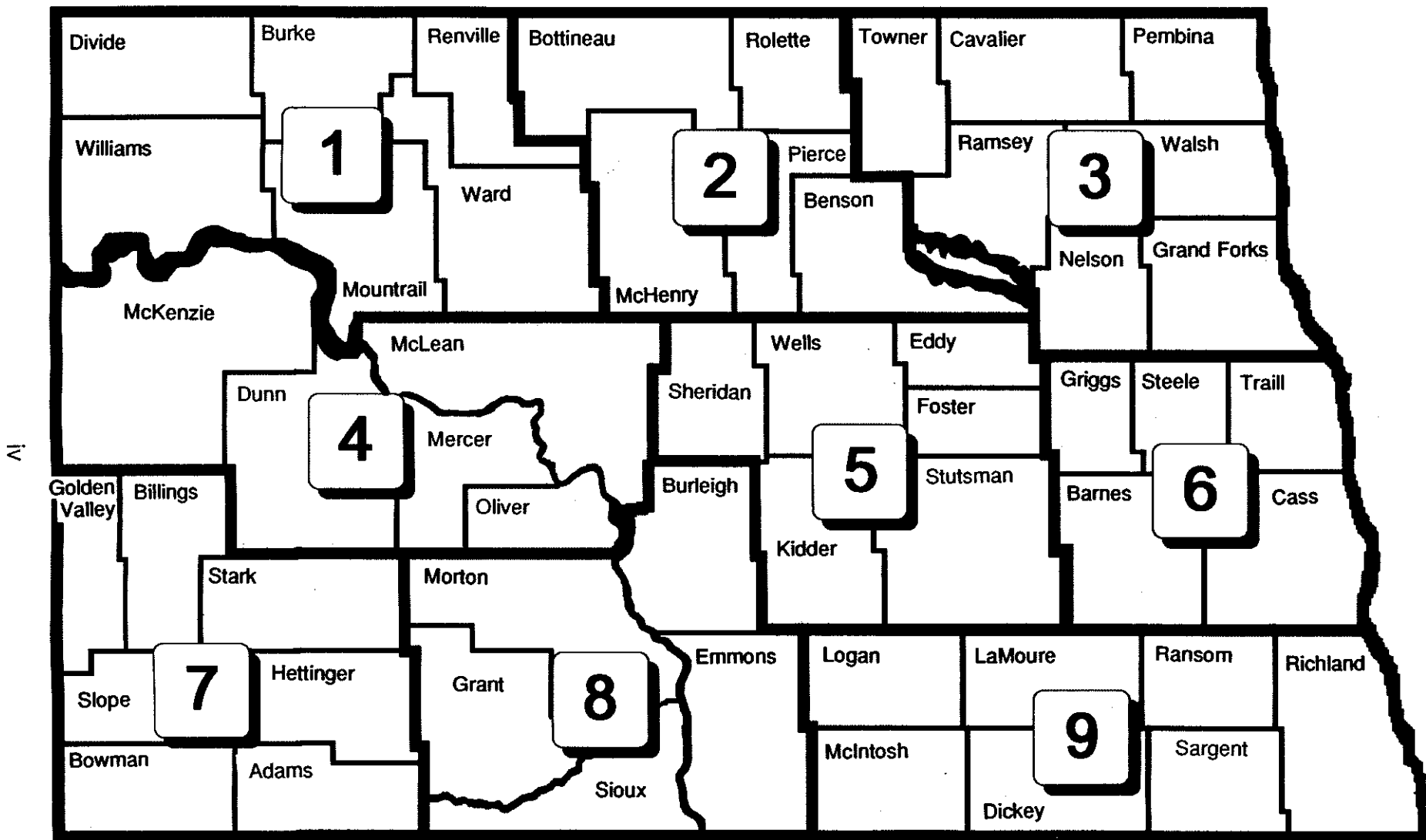


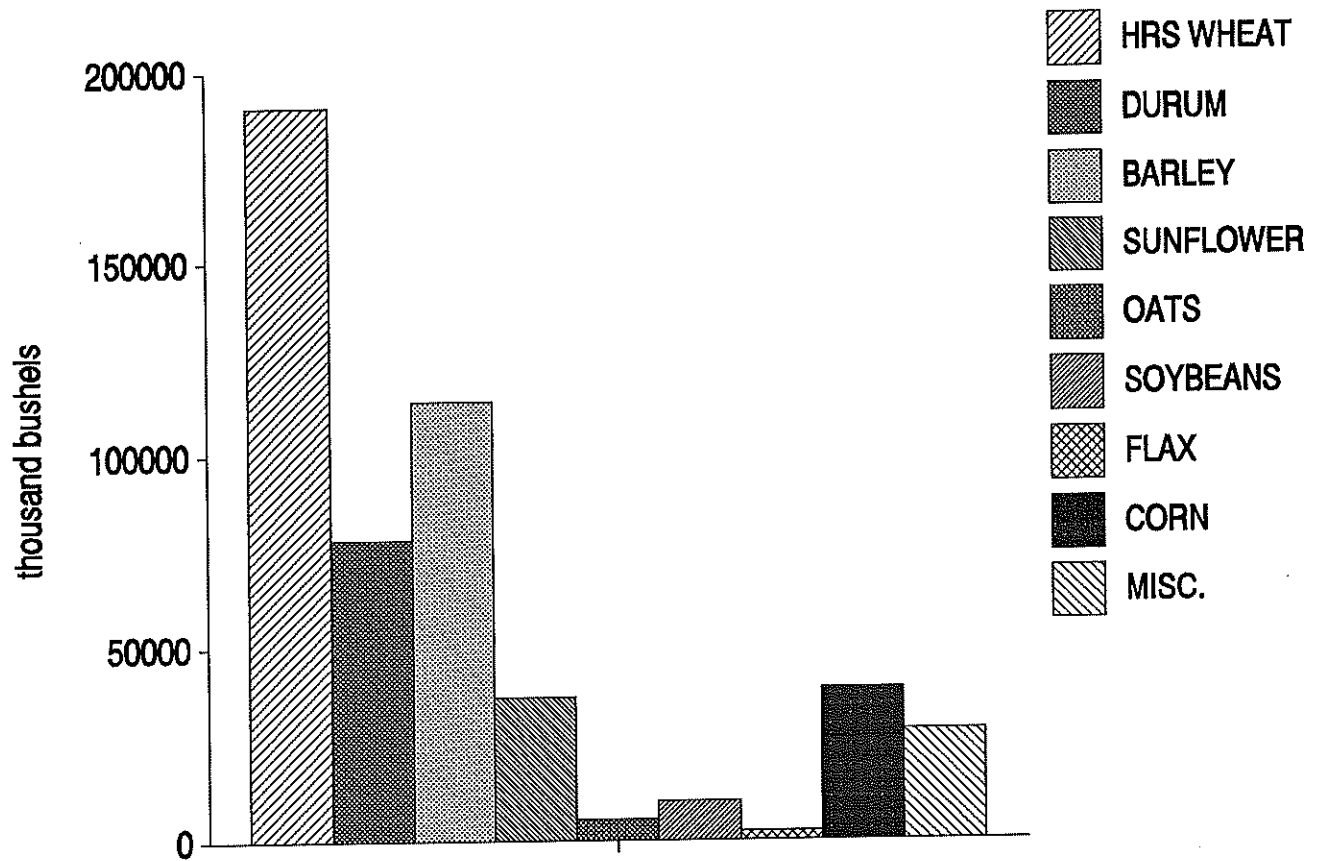
Figure 1. North Dakota Crop Reporting Districts and Counties.

***TOTAL
GRAIN AND OILSEED
SHIPMENTS***

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
1977-78 to 1990-91
(thousand bu.)

YEAR	HARD RED SPRING	DURUM	BARLEY	SUNFLOWER	OATS	SOYBEANS	FLAX	MISC.	CORN	TOTAL
1976-77	123,976 (41%)	65,024 (21%)	73,314 (24%)	15,622 (5%)	12,158 (4%)	1,941 (1%)	4,883 (2%)	8,994 (3%)	N.A.	305,912 (100%)
1977-78	127,953 (36%)	88,366 (25%)	63,115 (18%)	51,278 (14%)	10,492 (3%)	1,776 (1%)	6,174 (2%)	9,450 (3%)	N.A.	358,604 (100%)
1978-79	184,923 (41%)	88,659 (19%)	69,648 (15%)	79,253 (17%)	12,087 (3%)	2,943 (1%)	4,541 (1%)	14,180 (3%)	N.A.	456,234 (100%)
1979-80	169,573 (36%)	94,581 (20%)	78,621 (17%)	95,940 (20%)	7,959 (2%)	5,452 (1%)	4,580 (1%)	19,358 (4%)	N.A.	476,064 (100%)
1980-81	126,115 (31%)	63,193 (16%)	62,672 (15%)	114,866 (28%)	3,515 (1%)	3,109 (1%)	4,176 (1%)	9,498 (2%)	13,941 (3%)	401,085 (100%)
1981-82	148,169 (32%)	81,881 (18%)	79,801 (17%)	111,496 (24%)	8,379 (2%)	5,801 (1%)	3,644 (1%)	12,232 (3%)	10,460 (2%)	461,862 (100%)
1982-83	178,800 (36%)	79,132 (16%)	70,106 (14%)	121,744 (25%)	10,583 (2%)	7,687 (2%)	4,883 (1%)	8,219 (2%)	10,518 (2%)	491,671 (100%)
1983-84	163,305 (30%)	84,941 (16%)	106,645 (20%)	103,449 (19%)	21,261 (4%)	12,504 (2%)	4,235 (1%)	10,014 (2%)	32,463 (6%)	538,818 (100%)
1984-85	183,109 (36%)	80,670 (16%)	106,030 (21%)	77,412 (15%)	11,232 (2%)	14,292 (3%)	4,098 (1%)	12,389 (2%)	22,623 (4%)	511,855 (100%)
1985-86	181,089 (38%)	87,344 (18%)	105,436 (22%)	53,541 (11%)	7,706 (2%)	12,116 (3%)	5,503 (1%)	12,261 (3%)	13,394 (3%)	478,390 (100%)
1986-87	193,962 (34%)	104,968 (18%)	146,342 (26%)	61,067 (11%)	9,387 (2%)	9,990 (2%)	6,666 (1%)	12,500 (2%)	26,437 (5%)	571,319 (100%)
1987-88	187,835 (36%)	77,395 (15%)	104,399 (20%)	63,418 (12%)	15,577 (3%)	18,415 (4%)	6,110 (1%)	14,263 (3%)	30,426 (6%)	517,838 (100%)
1988-89	135,640 (36%)	43,906 (12%)	92,715 (25%)	39,056 (10%)	4,297 (1%)	12,160 (3%)	2,013 (1%)	13,243 (4%)	29,344 (8%)	372,376 (100%)
1989-90	192,485 (40%)	72,003 (15%)	112,256 (23%)	32,174 (7%)	5,015 (1%)	14,015 (3%)	1,077 (1%)	14,632 (3%)	34,764 (7%)	478,421 (100%)
1990-91	191,072 (38%)	78,309 (15%)	114,046 (23%)	37,086 (7%)	5,601 (1%)	10,185 (2%)	2,258 (0%)	39,229 (8%)	28,434 (6%)	506,220 (100%)

ALL SHIPMENTS BY COMMODITY, 1990-91

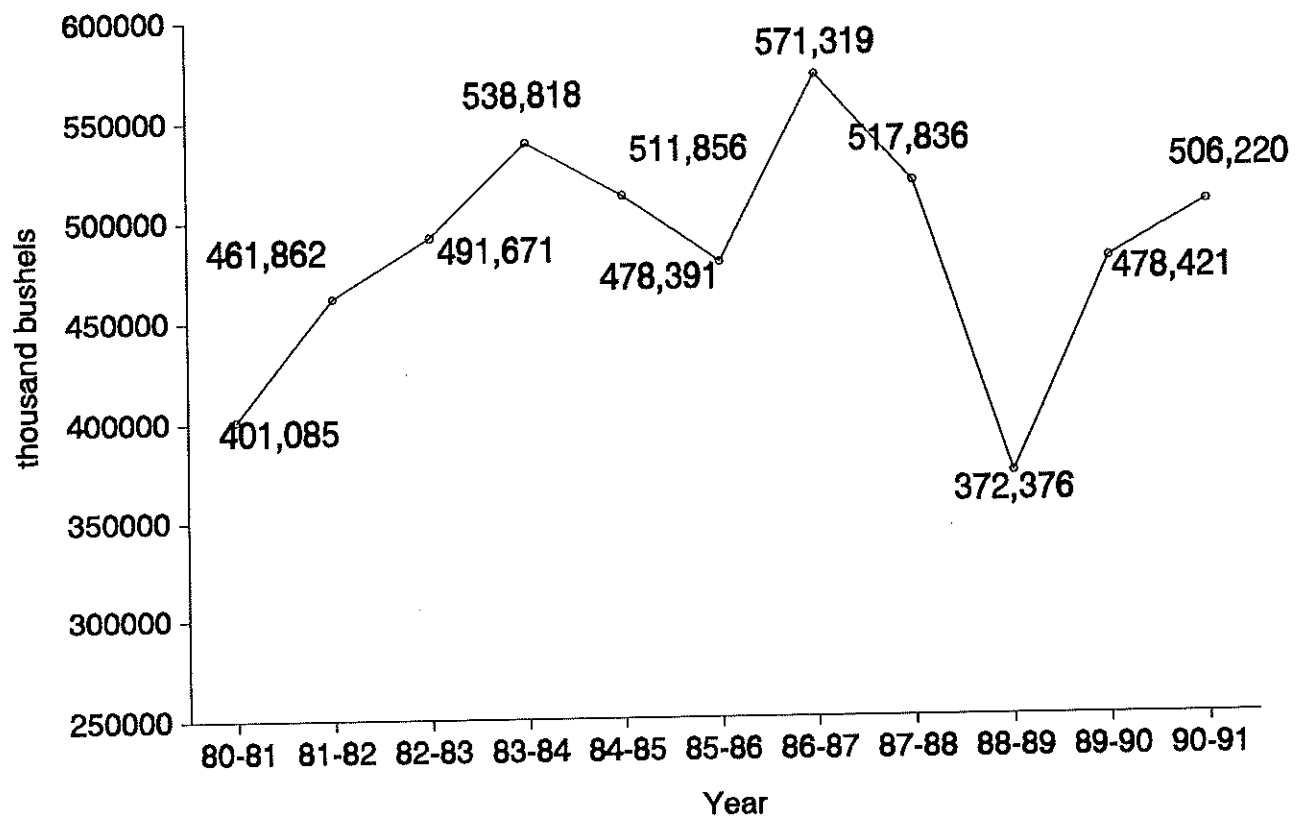


**NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY DESTINATION
1977-78 to 1990-91
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
1976-77	109,620 (36%)	128,044 (42%)	20,823 (7%)	47,425 (16%)	305,912 (100%)
1977-78	85,231 (24%)	192,925 (54%)	29,031 (8%)	51,417 (14%)	358,604 (100%)
1978-79	93,353 (20%)	250,653 (55%)	46,413 (10%)	65,814 (14%)	456,233 (100%)
1979-80	119,711 (25%)	230,544 (48%)	46,954 (10%)	78,856 (17%)	476,065 (100%)
1980-81	81,487 (20%)	184,825 (46%)	39,975 (10%)	94,798 (24%)	401,085 (100%)
1981-82	92,099 (20%)	230,899 (50%)	37,006 (8%)	101,859 (22%)	461,862 (100%)
1982-83	122,745 (25%)	201,427 (41%)	45,240 (9%)	122,259 (25%)	491,671 (100%)
1983-84	134,312 (25%)	195,942 (36%)	59,203 (11%)	149,362 (28%)	538,818 (100%)
1984-85	129,455 (25%)	178,299 (35%)	61,002 (12%)	143,099 (28%)	511,856 (100%)
1985-86	131,879 (28%)	109,232 (23%)	44,812 (9%)	192,467 (40%)	478,391 (100%)
1986-87	121,620 (21%)	119,016 (21%)	92,923 (16%)	237,761 (42%)	571,319 (100%)
1987-88	124,984 (24%)	92,320 (18%)	64,727 (12%)	235,805 (46%)	517,836 (100%)
1988-89	85,561 (23%)	50,767 (14%)	67,862 (18%)	168,187 (45%)	372,376 (100%)
1989-90	107,958 (22%)	85,112 (18%)	67,347 (14%)	218,004 (46%)	478,421 (100%)
1990-91	114,712 (23%)	80,740 (16%)	77,311 (15%)	233,457 ^a (46%)	506,220 (100%)

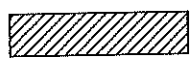
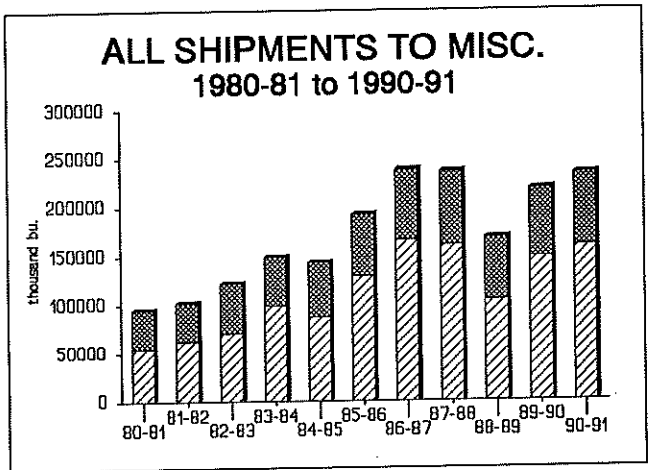
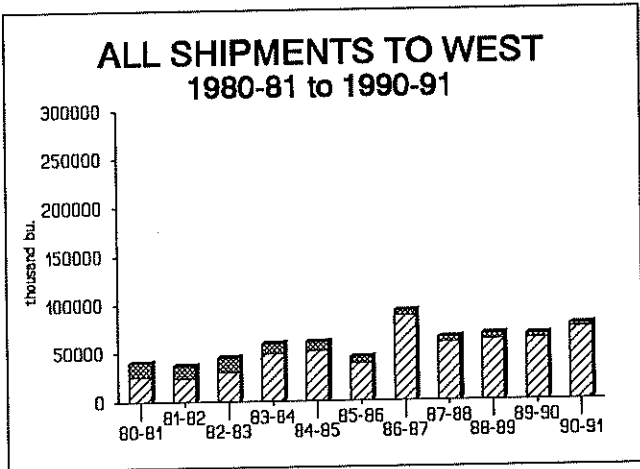
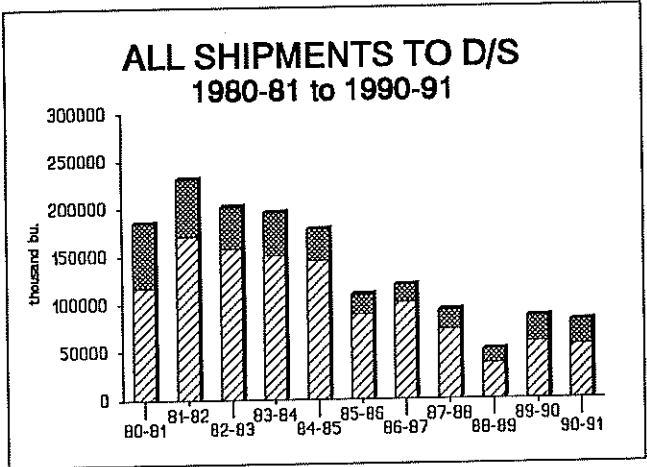
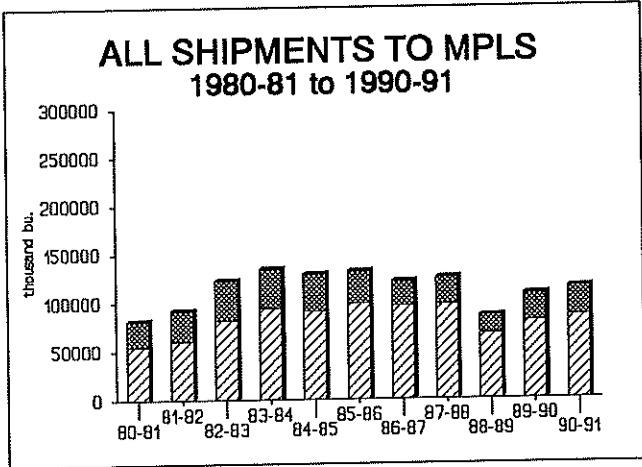
^aMiscellaneous markets include shipments to Midland/Southwest destinations (60.5 million bushels or 12%), North Dakota destinations (62 million bushels or 12%), other Minnesota/Wisconsin destinations (34.2 million bushels or 7%), and all other markets (76.7 million bushels or 15%).

ALL COMMODITY SHIPMENTS 1980-81 to 1990-91



**NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

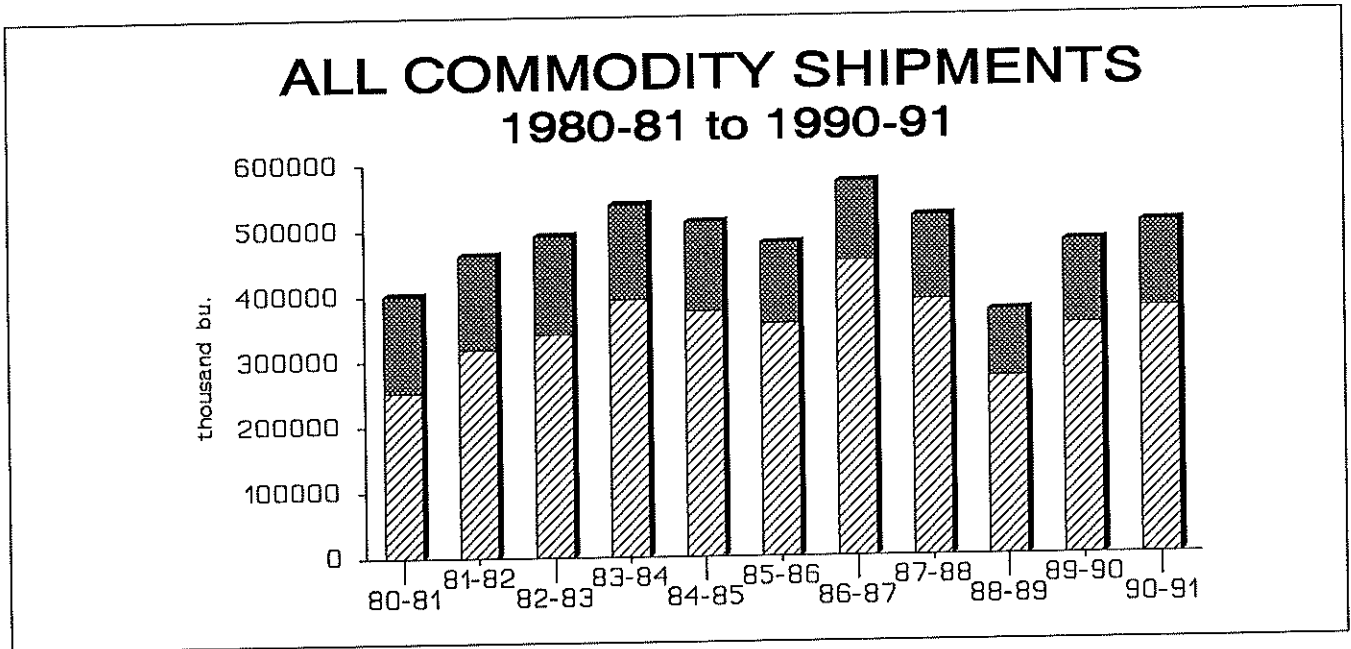
YEAR	MINNEAPOLIS- ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK
1976-77	82,764 (75%)	26,856 (24%)	80,207 (63%)	47,837 (37%)	11,703 (56%)	9,120 (44%)	30,455 (64%)	16,970 (36%)	205,129 (67%)	100,783 (33%)
1977-78	60,859 (71%)	24,372 (29%)	121,899 (63%)	71,025 (37%)	19,386 (67%)	9,645 (33%)	33,034 (64%)	18,384 (36%)	235,178 (66%)	123,426 (34%)
1978-79	61,186 (66%)	32,168 (34%)	140,112 (56%)	110,541 (44%)	33,461 (72%)	12,952 (28%)	36,310 (55%)	29,504 (45%)	271,069 (59%)	185,165 (41%)
1979-80	79,040 (60%)	40,672 (40%)	138,313 (66%)	92,225 (34%)	31,878 (68%)	15,076 (32%)	45,106 (57%)	33,750 (43%)	294,342 (62%)	181,724 (38%)
1980-81	54,815 (67%)	26,672 (33%)	117,168 (63%)	67,657 (37%)	25,549 (64%)	14,426 (36%)	54,406 (57%)	40,392 (43%)	251,938 (63%)	149,147 (37%)
1981-82	60,345 (66%)	31,753 (34%)	170,762 (74%)	60,136 (26%)	24,165 (65%)	12,841 (35%)	62,032 (61%)	39,827 (39%)	317,304 (69%)	144,558 (31%)
1982-83	81,525 (66%)	41,220 (34%)	158,282 (78%)	43,145 (21%)	30,108 (67%)	15,132 (33%)	70,546 (58%)	51,713 (42%)	340,461 (69%)	151,210 (31%)
1983-84	94,392 (70%)	39,920 (30%)	150,766 (77%)	45,176 (23%)	49,055 (83%)	10,148 (17%)	98,897 (66%)	50,465 (34%)	393,110 (73%)	145,709 (27%)
1984-85	90,807 (70%)	38,648 (30%)	145,495 (82%)	32,804 (18%)	51,786 (85%)	9,217 (15%)	86,921 (61%)	56,179 (39%)	375,009 (73%)	136,847 (27%)
1985-86	99,046 (75%)	32,833 (25%)	88,796 (81%)	20,436 (19%)	38,091 (85%)	6,722 (15%)	129,454 (67%)	63,013 (33%)	355,387 (74%)	123,004 (26%)
1986-87	96,166 (79%)	25,454 (21%)	101,009 (85%)	18,008 (15%)	87,738 (94%)	5,185 (6%)	165,655 (70%)	72,105 (30%)	450,569 (79%)	120,750 (21%)
1987-88	97,285 (78%)	27,699 (22%)	72,835 (79%)	19,485 (21%)	59,834 (92%)	4,893 (8%)	160,318 (68%)	75,487 (32%)	390,272 (75%)	127,564 (25%)
1988-89	67,358 (79%)	18,203 (21%)	37,044 (73%)	13,723 (27%)	62,570 (92%)	5,291 (8%)	103,988 (62%)	64,199 (38%)	270,961 (73%)	101,416 (27%)
1989-90	80,412 (74%)	27,546 (26%)	59,256 (70%)	25,857 (30%)	62,826 (93%)	4,520 (7%)	148,839 (68%)	69,165 (32%)	351,333 (73%)	127,088 (27%)
1990-91	85,296 (74%)	29,416 (26%)	55,844 (69%)	24,896 (31%)	74,543 (96%)	2,768 (4%)	160,029 (69%)	73,430 (31%)	375,712 (74%)	130,510 (26%)



Rail



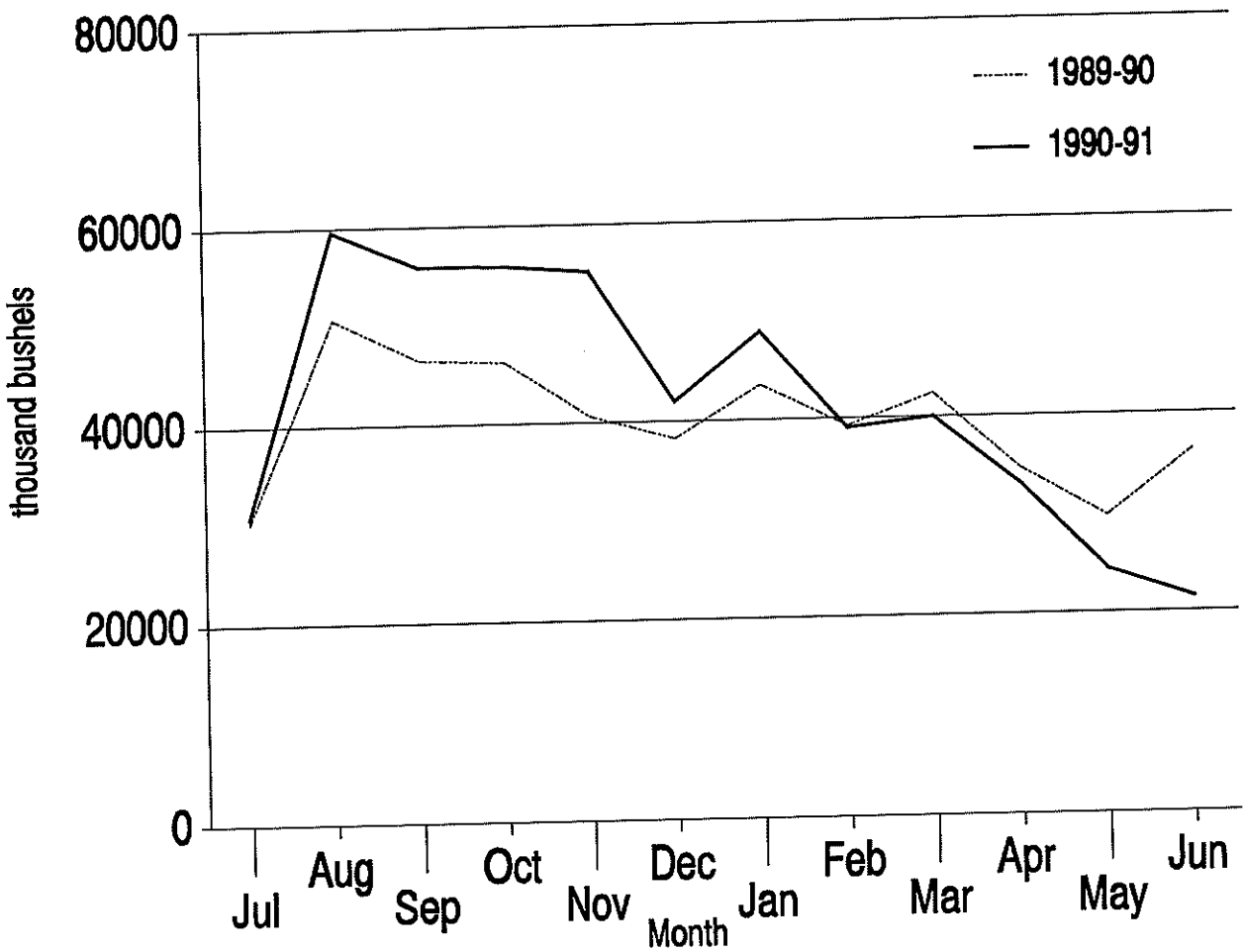
Truck



**NORTH DAKOTA GRAIN AND OILSEED MOVEMENTS
BY MONTH
July 1990 - June 1991
(thousand bu.)**

MONTH	HRS	DURUM	SOYB	FLAX	BARLEY	OATS	CORN	SF	MISC.	TOTAL
July	8,794	4,640	765	53	10,075	634	1,730	1,404	2,689	30,784
August	26,329	7,494	375	235	18,960	1,213	610	661	3,725	59,602
September	26,466	11,214	670	1,111	11,193	741	275	969	3,322	55,961
October	13,773	9,591	4,119	354	10,223	515	4,914	6,112	6,268	55,869
November	17,447	7,340	685	106	15,439	383	5,887	3,576	4,406	55,269
December	14,612	6,420	959	81	10,814	400	3,317	2,879	2,517	41,999
January	15,475	10,744	443	89	8,637	373	2,325	5,210	5,553	48,849
February	15,991	7,545	510	46	7,871	156	2,967	2,888	1,092	39,066
March	17,414	5,030	291	45	7,187	385	3,214	2,260	4,148	39,974
April	12,832	3,350	819	47	5,590	399	1,715	7,006	1,338	33,096
May	12,134	3,248	363	53	5,185	284	1,012	927	1,119	24,325
June	9,805	1,693	187	37	2,869	117	468	3,194	3,052	21,422
Total	191,072	78,309	10,186	2,257	114,043	5,600	28,434	37,086	39,229	506,216

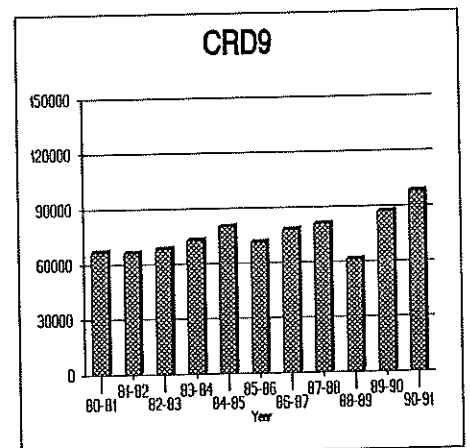
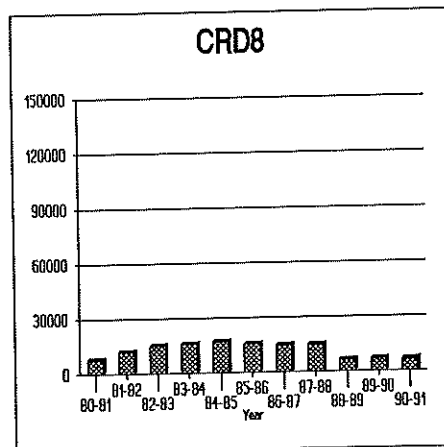
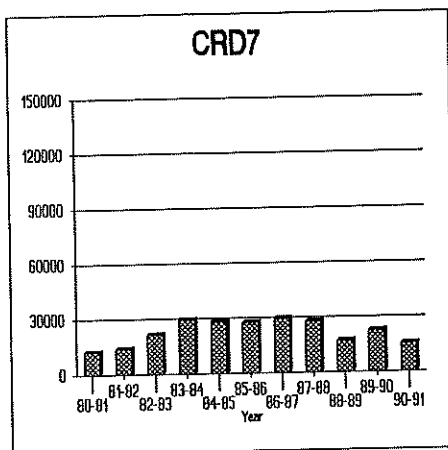
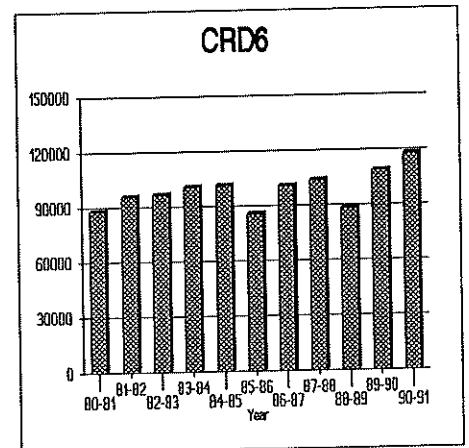
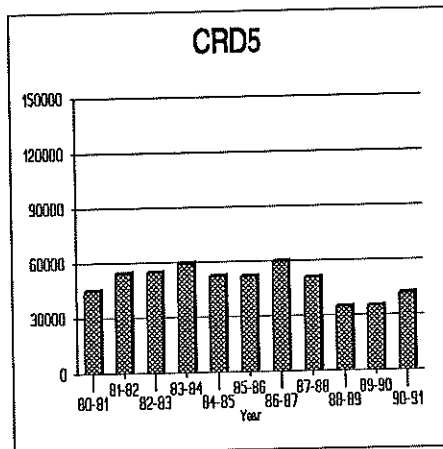
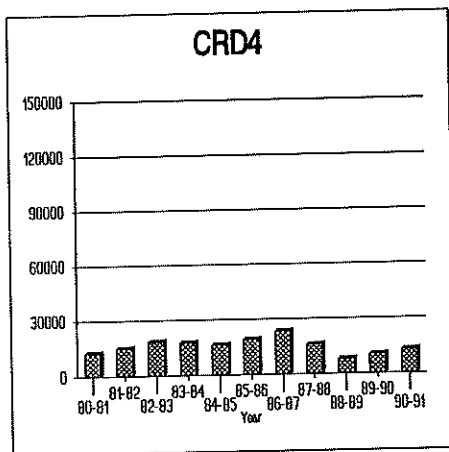
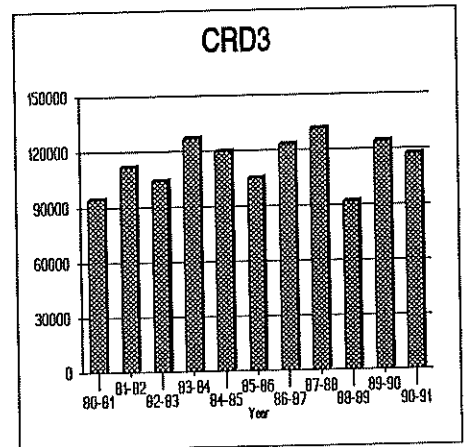
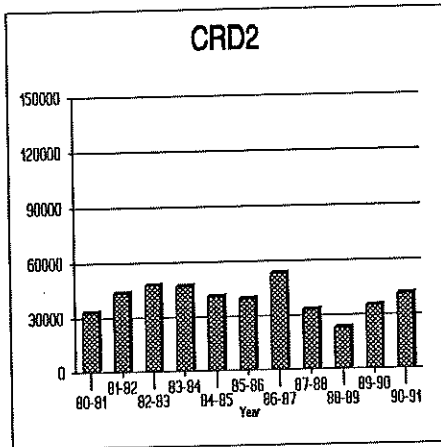
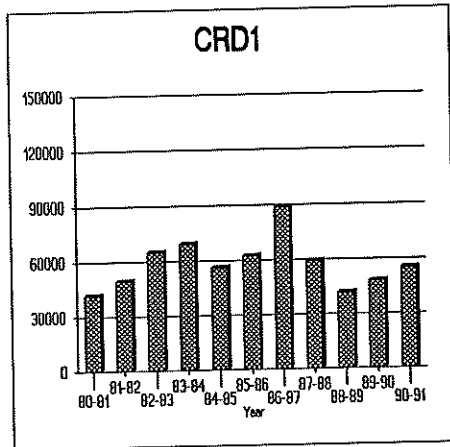
ALL COMMODITY SHIPMENTS By Month, 1989-90 & 1990-91



**NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN
1977-78 to 1990-91
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	38,628 (13%)	29,421 (10%)	80,085 (25%)	13,315 (4%)	29,763 (10%)	58,924 (19%)	17,044 (6%)	9,454 (3%)	29,280 (10%)	305,914 (100%)
1977-78	47,881 (13%)	32,552 (9%)	92,607 (26%)	14,323 (4%)	32,575 (9%)	74,423 (21%)	14,150 (4%)	6,373 (2%)	43,721 (12%)	358,605 (100%)
1978-79	55,802 (12%)	38,668 (8%)	103,393 (23%)	17,394 (4%)	49,133 (11%)	97,722 (21%)	23,776 (5%)	12,099 (3%)	58,249 (13%)	456,236 (100%)
1979-80	55,571 (12%)	39,278 (8%)	116,150 (24%)	18,722 (4%)	44,364 (9%)	97,513 (20%)	24,865 (5%)	12,761 (3%)	66,843 (14%)	476,067 (100%)
1980-81	41,942 (10%)	32,879 (8%)	94,203 (24%)	12,540 (3%)	44,670 (11%)	88,147 (22%)	12,060 (3%)	7,864 (2%)	26,779 (17%)	401,085 (100%)
1981-82	49,664 (11%)	43,480 (9%)	111,527 (24%)	15,078 (3%)	54,129 (12%)	95,952 (20%)	13,820 (3%)	11,984 (2%)	66,228 (14%)	461,862 (100%)
1982-83	64,835 (13%)	47,675 (10%)	103,975 (21%)	18,459 (4%)	54,562 (11%)	96,897 (20%)	21,755 (4%)	15,245 (3%)	68,266 (14%)	491,671 (100%)
1983-84	69,142 (13%)	46,862 (9%)	127,082 (24%)	17,675 (3%)	59,256 (11%)	100,845 (19%)	29,322 (5%)	15,796 (3%)	72,839 (14%)	538,818 (100%)
1984-85	56,106 (11%)	40,973 (9%)	119,549 (23%)	16,346 (3%)	51,963 (10%)	101,475 (20%)	28,236 (5%)	16,856 (3%)	80,352 (15%)	511,856 (100%)
1985-86	62,459 (13%)	39,674 (8%)	104,951 (22%)	19,241 (4%)	51,713 (11%)	86,015 (18%)	27,497 (6%)	15,567 (3%)	71,301 (15%)	478,391 (100%)
1986-87	88,714 (16%)	53,092 (9%)	123,222 (22%)	23,220 (4%)	59,899 (10%)	100,863 (18%)	29,473 (5%)	14,906 (3%)	77,929 (14%)	571,319 (100%)
1987-88	59,183 (11%)	32,984 (6%)	131,537 (25%)	16,035 (3%)	50,741 (10%)	104,169 (20%)	27,701 (5%)	14,721 (3%)	80,764 (16%)	517,835 (100%)
1988-89	41,877 (11%)	23,012 (6%)	91,616 (25%)	8,148 (2%)	34,629 (9%)	88,380 (24%)	16,943 (5%)	6,565 (2%)	61,205 (16%)	372,376 (100%)
1989-90	47,958 (10%)	35,000 (7%)	124,101 (26%)	10,596 (2%)	35,032 (7%)	109,025 (23%)	22,581 (5%)	6,830 (2%)	87,298 (18%)	478,421 (100%)
1990-91	55,109 (11%)	41,253 (8%)	117,055 (23%)	13,028 (3%)	41,778 (8%)	118,104 (23%)	15,336 (3%)	6,649 (1%)	97,908 (19%)	506,220 (100%)

ALL GRAIN AND OILSEED SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



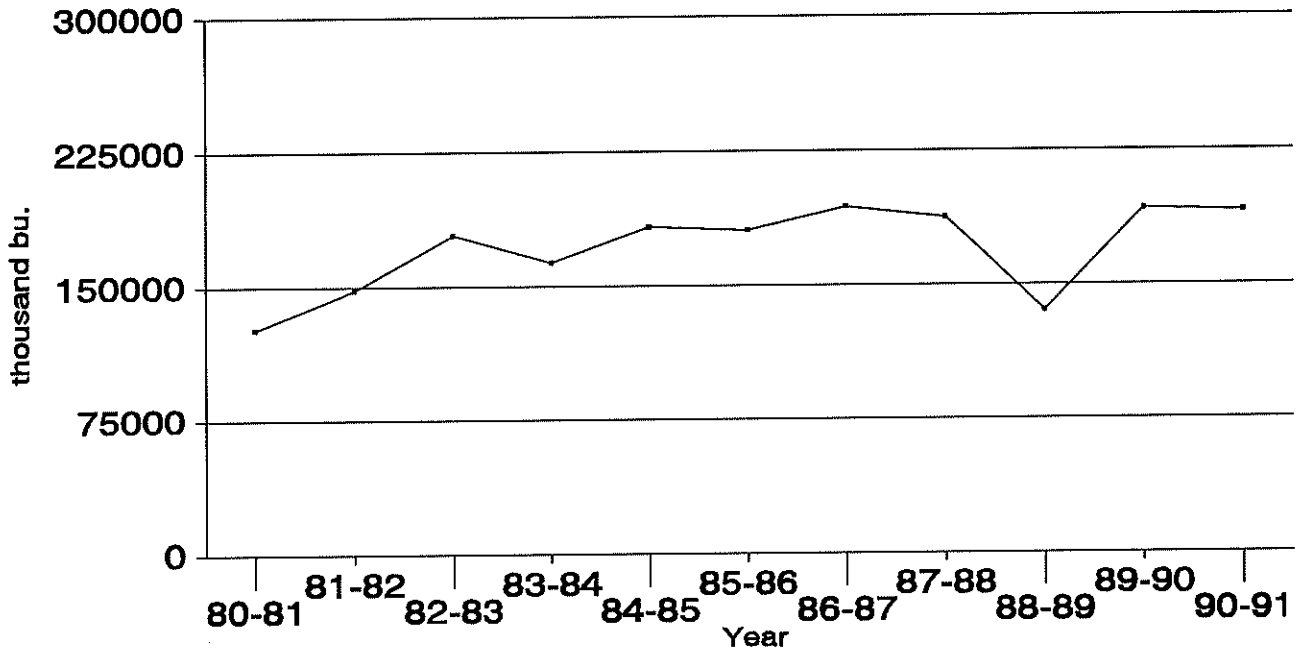
***HARD RED SPRING
WHEAT SHIPMENTS***

**NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION
(thousand bu.)**

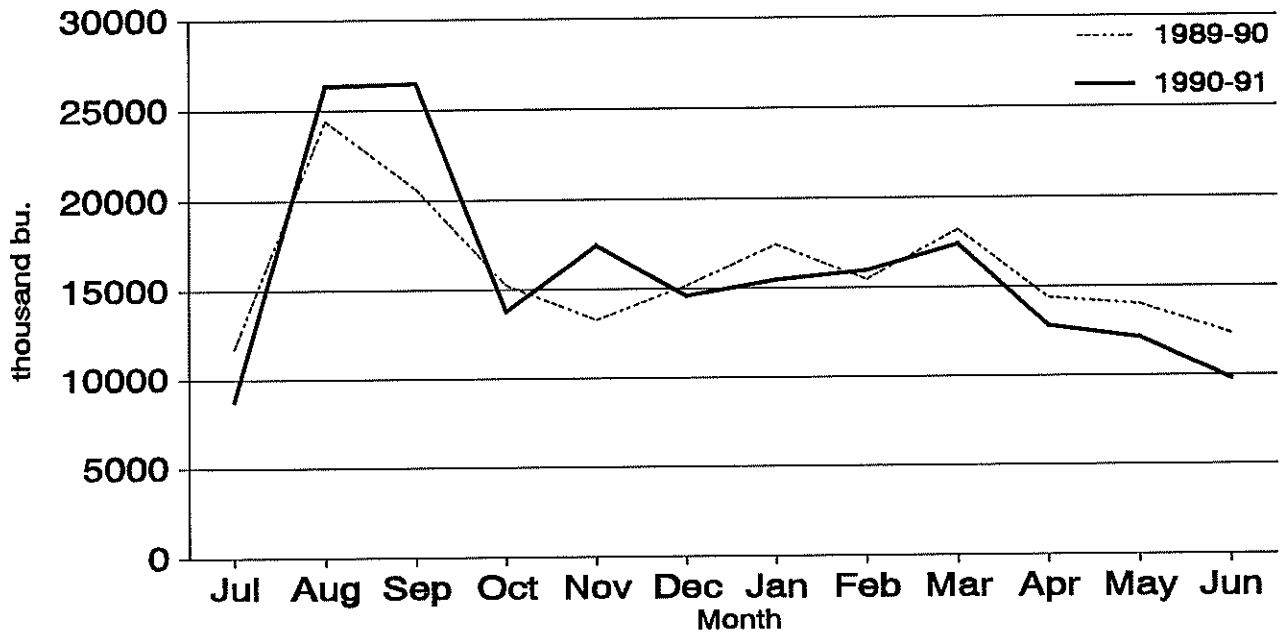
YEAR	MINNEAPOLIS- ST. PAUL	DULUTH- SUPERIOR	WEST	MISC. MARKETS	TOTAL
1976-77	38,230 (31%)	53,419 (43%)	13,675 (13%)	15,651 (13%)	123,975 (100%)
1977-78	28,199 (22%)	65,832 (51%)	21,502 (17%)	12,402 (10%)	127,935 (100%)
1978-79	28,846 (16%)	108,717 (59%)	34,818 (19%)	12,542 (7%)	184,923 (100%)
1979-80	44,031 (26%)	76,887 (45%)	31,377 (19%)	17,278 (10%)	169,573 (100%)
1980-81	27,981 (22%)	62,608 (50%)	23,074 (18%)	12,453 (10%)	126,116 (100%)
1981-82	31,584 (21%)	77,113 (52%)	25,325 (17%)	14,146 (10%)	148,168 (100%)
1982-83	49,562 (28%)	79,160 (44%)	34,527 (19%)	15,550 (9%)	178,800 (100%)
1983-84	48,696 (30%)	66,518 (41%)	29,091 (18%)	19,000 (12%)	163,305 (100%)
1984-85	66,796 (36%)	56,002 (31%)	28,452 (16%)	31,859 (17%)	183,109 (100%)
1985-86	68,458 (38%)	48,723 (27%)	21,311 (12%)	42,597 (24%)	181,088 (100%)
1986-87	59,020 (30%)	51,564 (27%)	24,446 (13%)	28,933 (30%)	193,962 (100%)
1987-88	62,463 (33%)	36,755 (20%)	23,549 (13%)	65,069 (34%)	187,836 (100%)
1988-89	42,265 (31%)	26,239 (19%)	29,789 (29%)	37,347 (28%)	135,640 (100%)
1989-90	58,880 (31%)	38,510 (20%)	25,131 (13%)	69,964 (36%)	192,485 (100%)
1990-91	56,356 (29%)	39,229 (21%)	39,521 (21%)	55,966 ^a (29%)	191,072 (100%)

^aMiscellaneous markets include shipments to Midland/Southwest destinations (16.9 million bushels or 9%), other Minnesota/Wisconsin destinations (9.6 million bushels or 5%), and all other markets including North Dakota processors (29.4 million bushels or 15%).

HRS WHEAT SHIPMENTS 1980-81 to 1990-91

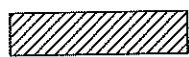
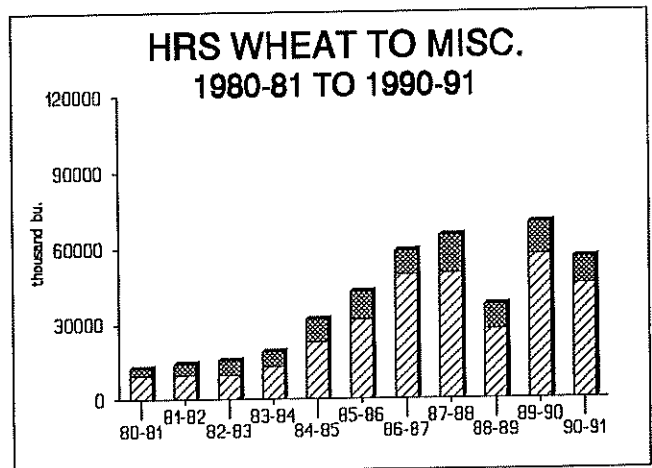
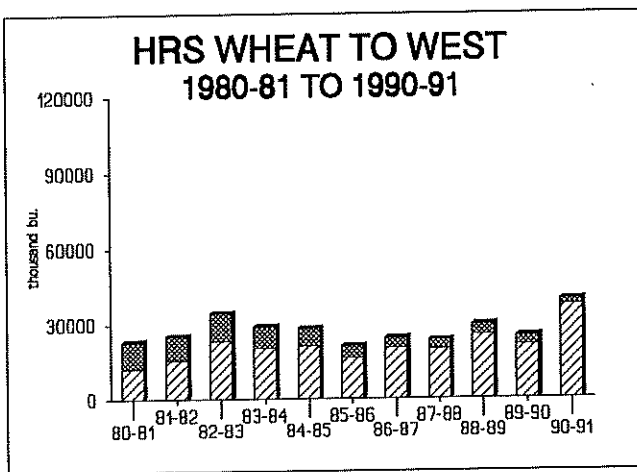
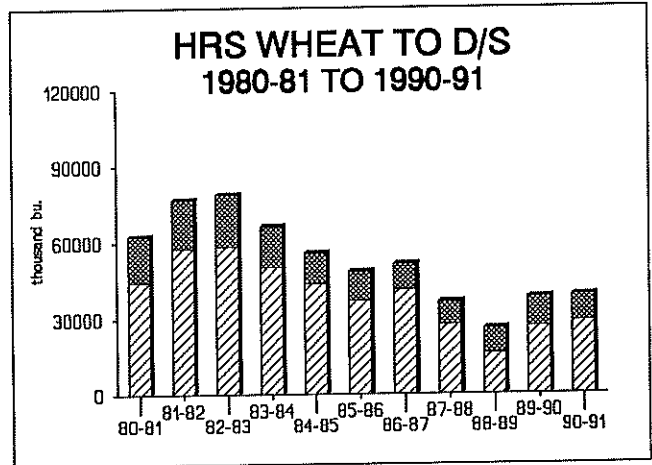
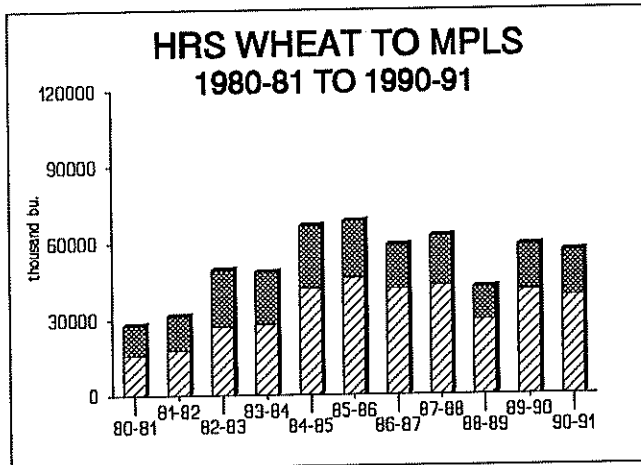


HRS WHEAT SHIPMENTS BY MONTH, 1989-90 & 1990-91



**NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

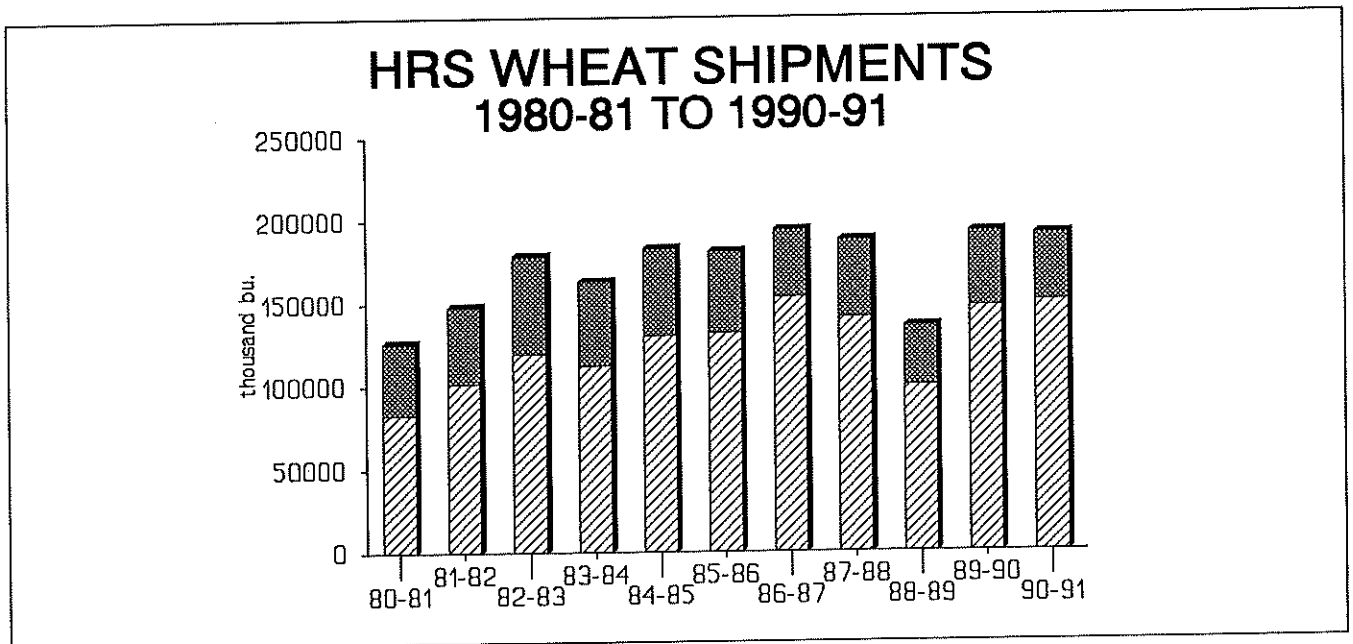
YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	22,206 (58%)	16,024 (42%)	37,140 (70%)	16,280 (30%)	10,629 (64%)	6,047 (36%)	12,249 (78%)	3,402 (22%)	82,224 (66%)	41,753 (33%)
1977-78	16,211 (57%)	11,988 (43%)	46,283 (70%)	19,548 (30%)	14,630 (68%)	6,873 (32%)	9,385 (76%)	3,035 (24%)	86,509 (68%)	41,444 (32%)
1978-79	12,762 (44%)	16,084 (56%)	64,230 (59%)	44,487 (41%)	24,389 (70%)	10,429 (30%)	7,429 (59%)	5,114 (41%)	108,810 (59%)	76,114 (41%)
1979-80	22,476 (51%)	21,555 (49%)	51,970 (67%)	24,917 (33%)	19,337 (62%)	12,040 (38%)	12,481 (72%)	4,796 (28%)	106,265 (63%)	63,308 (37%)
1980-81	15,942 (57%)	12,039 (43%)	44,702 (71%)	17,906 (29%)	12,444 (54%)	10,630 (46%)	9,670 (78%)	2,783 (22%)	82,758 (66%)	43,358 (34%)
1981-82	18,080 (57%)	13,504 (43%)	57,821 (74%)	19,292 (26%)	15,709 (62%)	9,616 (38%)	9,709 (68%)	4,436 (32%)	101,319 (68%)	46,848 (32%)
1982-83	27,413 (55%)	22,149 (45%)	58,601 (74%)	20,559 (26%)	23,371 (68%)	11,156 (32%)	9,798 (63%)	5,752 (37%)	119,183 (67%)	59,616 (33%)
1983-84	28,084 (49%)	20,609 (37%)	50,383 (78%)	16,136 (22%)	20,523 (75%)	8,568 (25%)	13,020 (71%)	5,980 (29%)	112,010 (71%)	51,293 (29%)
1984-85	42,183 (63%)	24,613 (37%)	43,780 (78%)	12,223 (22%)	21,322 (75%)	7,130 (25%)	22,765 (71%)	9,094 (29%)	130,050 (71%)	53,061 (25%)
1985-86	46,269 (68%)	22,189 (32%)	37,313 (77%)	11,409 (23%)	16,478 (77%)	4,832 (23%)	31,648 (74%)	10,948 (26%)	131,709 (73%)	49,379 (27%)
1986-87	41,857 (71%)	17,163 (29%)	41,516 (81%)	10,048 (19%)	20,491 (84%)	3,955 (16%)	49,533 (84%)	9,399 (16%)	153,397 (79%)	40,565 (21%)
1987-88	43,082 (69%)	19,381 (31%)	27,911 (76%)	8,844 (24%)	20,068 (85%)	3,481 (15%)	49,838 (77%)	15,231 (23%)	140,899 (75%)	46,937 (25%)
1988-89	29,566 (70%)	12,700 (30%)	16,414 (63%)	9,825 (37%)	25,688 (86%)	4,100 (14%)	27,697 (74%)	9,650 (26%)	99,365 (73%)	36,275 (27%)
1989-90	41,249 (70%)	17,631 (30%)	27,148 (70%)	11,362 (30%)	21,552 (86%)	3,578 (14%)	57,236 (82%)	12,728 (18%)	147,186 (76%)	45,299 (24%)
1990-91	38,707 (69%)	17,649 (31%)	29,079 (74%)	10,150 (26%)	37,359 (95%)	2,162 (5%)	45,281 (81%)	10,685 (19%)	150,426 (79%)	40,646 (21%)



Rail



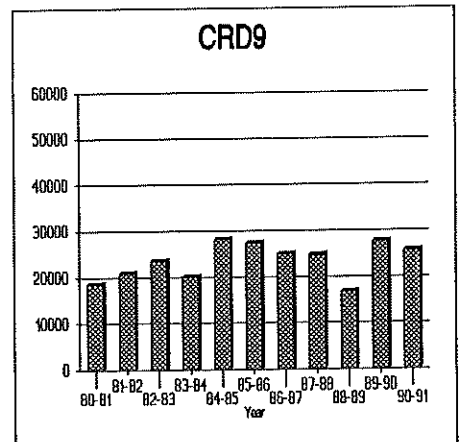
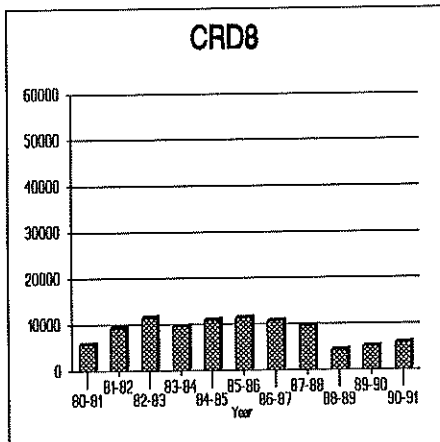
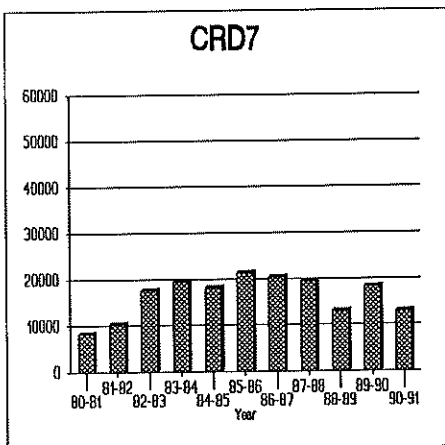
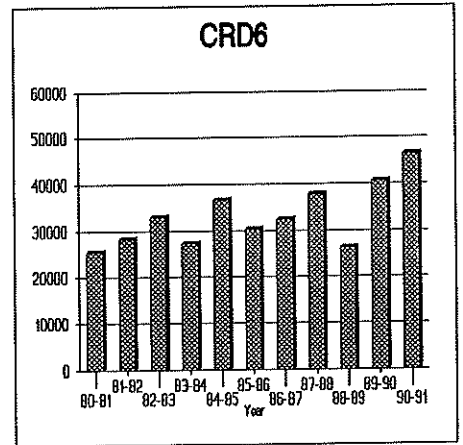
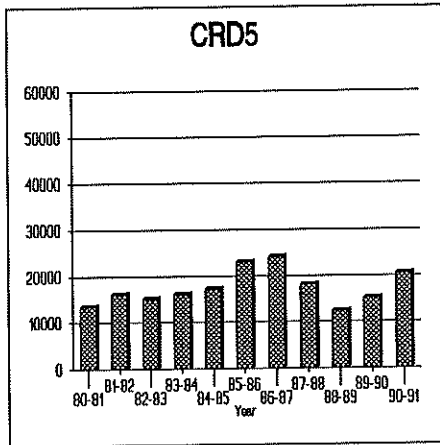
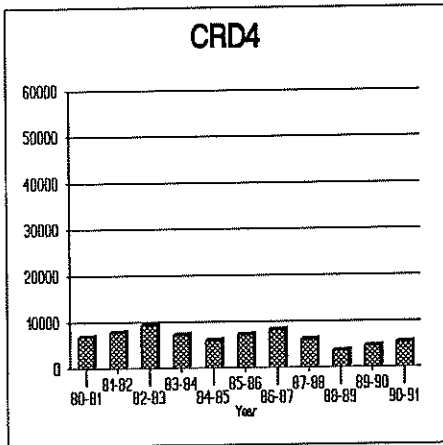
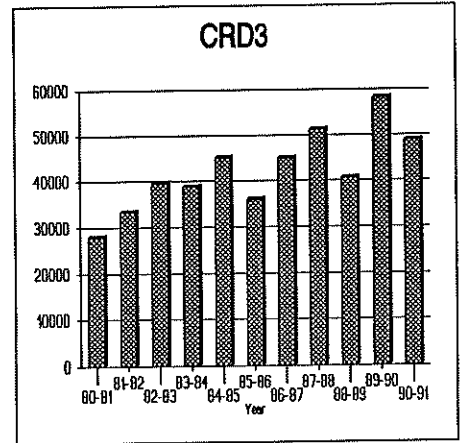
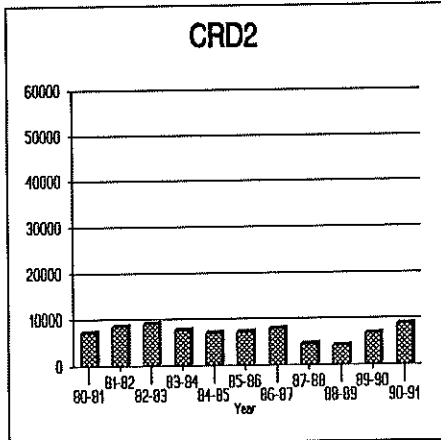
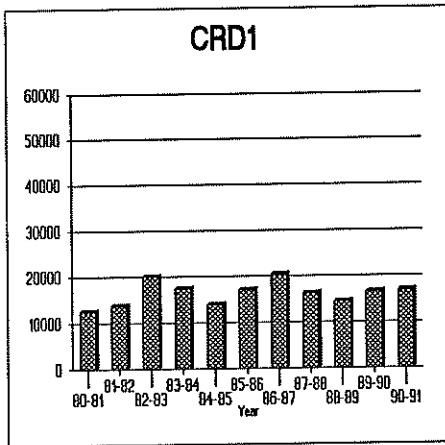
Truck



**NORTH DAKOTA HARD RED SPRING WHEAT MOVEMENTS
BY CROP REPORTING DISTRICT ORIGIN
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	12,657 (10%)	6,807 (5%)	24,053 (19%)	8,209 (7%)	15,253 (12%)	22,000 (18%)	14,182 (11%)	7,782 (6%)	13,033 (11%)	123,976 (100%)
1977-78	15,009 (11%)	7,370 (6%)	27,331 (21%)	8,477 (7%)	12,521 (10%)	25,013 (20%)	11,563 (9%)	5,567 (4%)	15,103 (12%)	127,954 (100%)
1978-79	19,640 (11%)	10,028 (5%)	38,757 (21%)	11,116 (6%)	18,546 (10%)	35,425 (19%)	20,117 (11%)	10,317 (6%)	20,977 (11%)	184,923 (100%)
1979-80	17,678 (10%)	8,124 (5%)	35,407 (21%)	11,230 (7%)	17,253 (10%)	29,088 (17%)	19,327 (11%)	10,284 (6%)	28,182 (12%)	176,573 (100%)
1980-81	12,552 (10%)	7,182 (6%)	27,836 (22%)	6,793 (5%)	13,584 (11%)	25,503 (20%)	8,241 (7%)	5,832 (5%)	18,593 (15%)	126,116 (100%)
1981-82	13,703 (9%)	8,468 (6%)	33,325 (23%)	7,690 (5%)	16,187 (11%)	28,331 (19%)	10,373 (7%)	9,220 (6%)	20,873 (14%)	148,168 (100%)
1982-83	20,007 (11%)	9,074 (5%)	39,668 (22%)	9,217 (5%)	15,149 (8%)	33,061 (18%)	17,568 (10%)	11,457 (6%)	23,599 (13%)	178,800 (100%)
1983-84	17,360 (11%)	7,662 (5%)	38,766 (24%)	7,121 (4%)	16,189 (10%)	27,265 (17%)	19,397 (12%)	9,518 (6%)	20,027 (12%)	163,305 (100%)
1984-85	13,898 (8%)	7,035 (4%)	45,117 (25%)	5,923 (3%)	17,297 (9%)	36,598 (20%)	18,091 (10%)	10,937 (6%)	28,213 (15%)	183,109 (100%)
1985-86	17,154 (9%)	7,247 (4%)	35,921 (20%)	7,160 (4%)	23,066 (13%)	30,432 (17%)	21,285 (12%)	11,428 (6%)	27,395 (15%)	181,089 (100%)
1986-87	20,393 (11%)	7,885 (4%)	44,955 (23%)	8,137 (4%)	24,189 (12%)	32,423 (17%)	20,379 (11%)	10,701 (6%)	24,901 (13%)	193,962 (100%)
1987-88	16,285 (9%)	4,600 (2%)	51,209 (27%)	6,060 (3%)	18,106 (10%)	37,842 (18%)	19,422 (12%)	9,545 (5%)	24,766 (13%)	187,835 (100%)
1988-89	14,445 (10%)	4,157 (3%)	40,595 (29%)	3,595 (3%)	12,453 (9%)	26,334 (19%)	13,016 (9%)	4,373 (3%)	16,673 (12%)	135,640 (100%)
1989-90	16,523 (9%)	6,775 (4%)	58,154 (30%)	4,477 (2%)	15,229 (8%)	40,511 (21%)	18,217 (9%)	5,043 (3%)	27,556 (14%)	192,485 (100%)
1990-91	16,896 (9%)	8,751 (5%)	48,869 (26%)	5,299 (3%)	20,484 (11%)	46,365 (24%)	12,921 (7%)	5,890 (3%)	25,597 (13%)	191,072 (100%)

HARD RED SPRING WHEAT SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



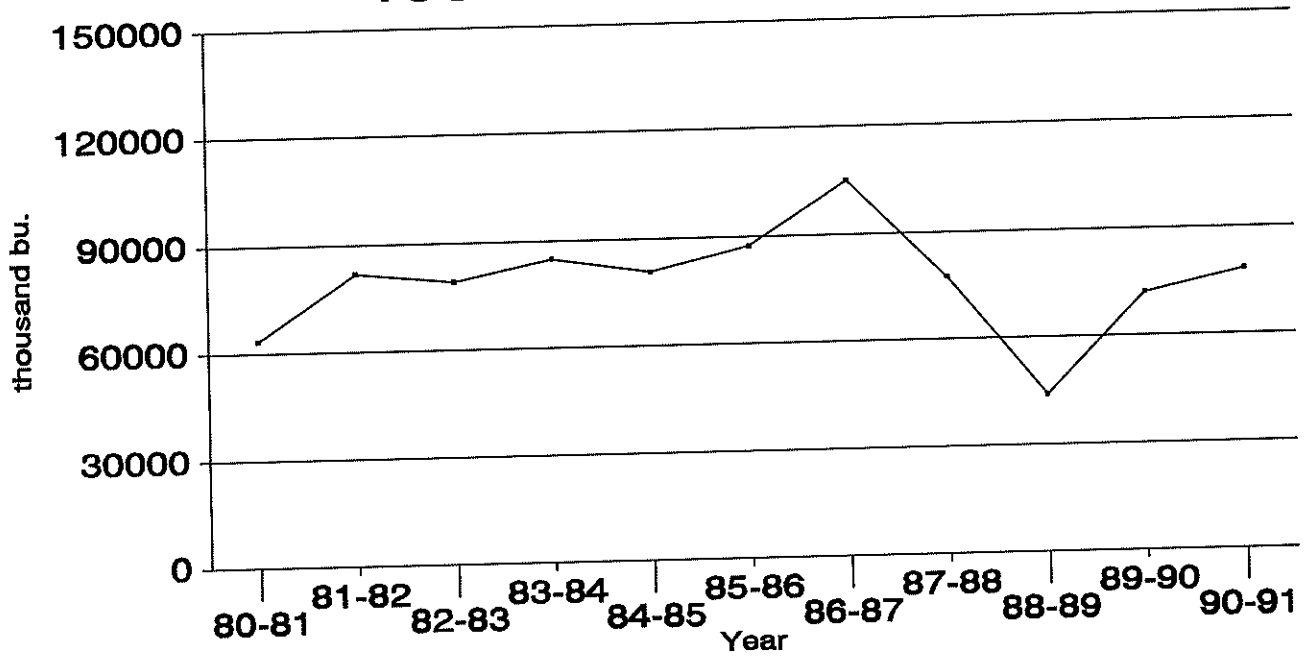
***DURUM
SHIPMENTS***

**NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION
(thousand bu.)**

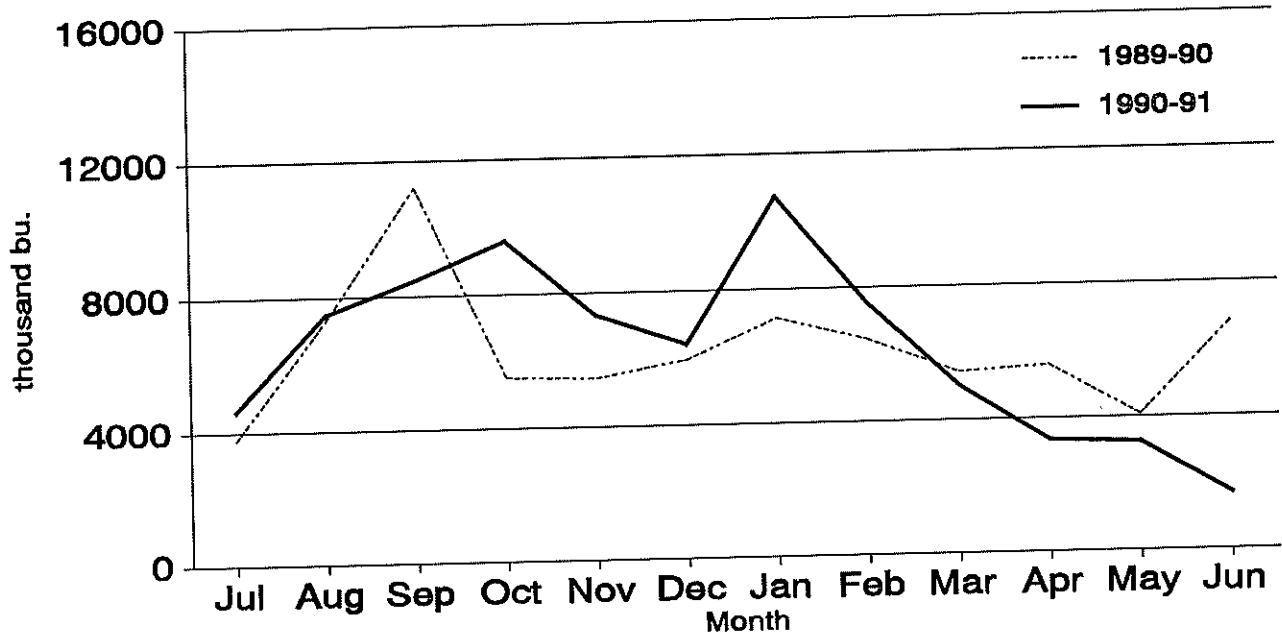
YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
1976-77	17,024 (26%)	35,537 (55%)	1,636 (3%)	10,827 (17%)	65,024 (100%)
1977-78	16,478 (19%)	61,990 (70%)	1,339 (2%)	8,559 (10%)	88,366 (100%)
1978-79	18,797 (21%)	60,973 (69%)	1,545 (2%)	7,345 (8%)	88,660 (100%)
1979-80	26,712 (28%)	57,379 (61%)	1,506 (2%)	8,985 (9%)	94,582 (100%)
1980-81	15,046 (24%)	38,502 (61%)	483 (1%)	9,160 (14%)	63,191 (100%)
1981-82	19,768 (24%)	49,242 (60%)	621 (1%)	12,250 (15%)	81,881 (100%)
1982-83	22,010 (28%)	42,820 (54%)	735 (1%)	13,567 (17%)	79,132 (100%)
1983-84	23,842 (28%)	43,143 (51%)	1,379 (2%)	16,578 (20%)	84,941 (100%)
1984-85	18,352 (23%)	48,137 (60%)	1,420 (2%)	12,761 (16%)	80,670 (100%)
1985-86	23,498 (27%)	38,026 (44%)	2,925 (3%)	22,895 (26%)	87,344 (100%)
1986-87	17,350 (17%)	46,150 (44%)	2,969 (3%)	38,498 (37%)	104,968 (100%)
1987-88	15,347 (20%)	28,215 (36%)	1,183 (2%)	32,649 (42%)	77,394 (100%)
1988-89	10,665 (24%)	10,033 (23%)	1,437 (3%)	21,769 (50%)	43,905 (100%)
1989-90	15,612 (22%)	21,103 (29%)	1,127 (2%)	34,161 (47%)	72,003 (100%)
1990-91	18,159 (23%)	24,167 (31%)	929 (1%)	35,054 ^a (45%)	78,309 (100%)

^aMiscellaneous markets include shipments to Midland/Southwest destinations (13.9 million bushels or 18%), other Minnesota/Wisconsin destinations (4.9 million bushels or 6%), and all other markets including North Dakota processors (16.3 million bushels or 21%).

DURUM SHIPMENTS 1980-81 TO 1990-91

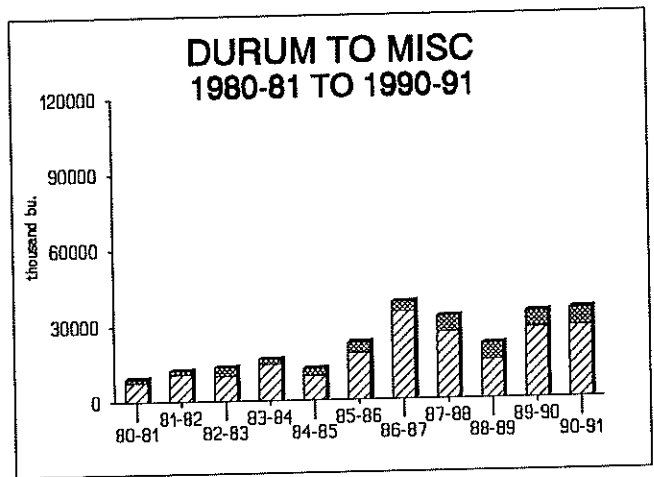
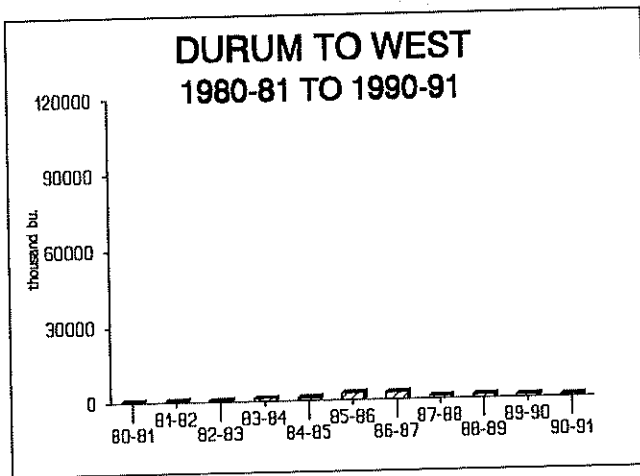
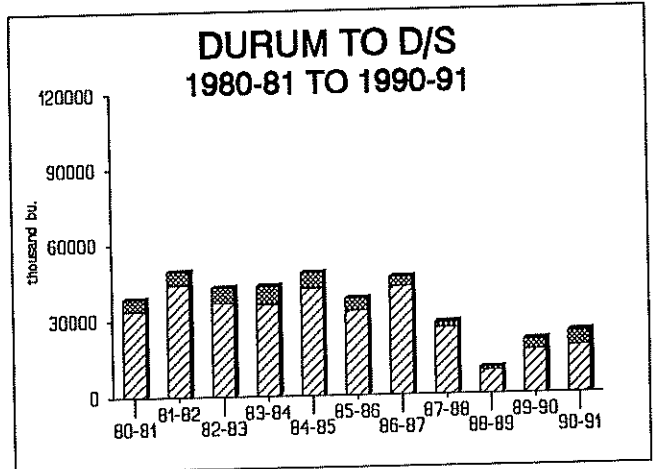
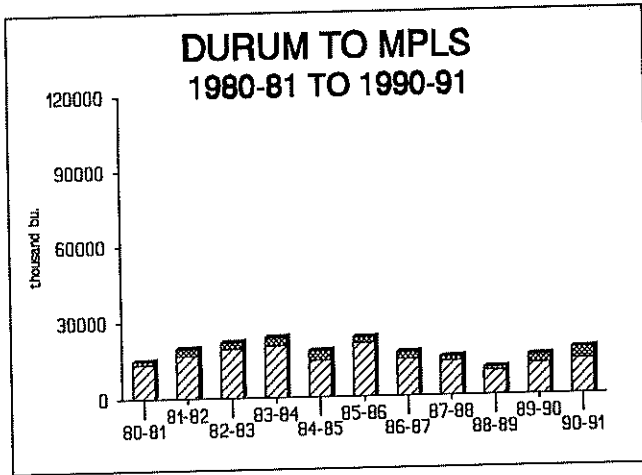


DURUM SHIPMENTS BY MONTH, 1989-90 and 1990-91



**NORTH DAKOTA DURUM SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

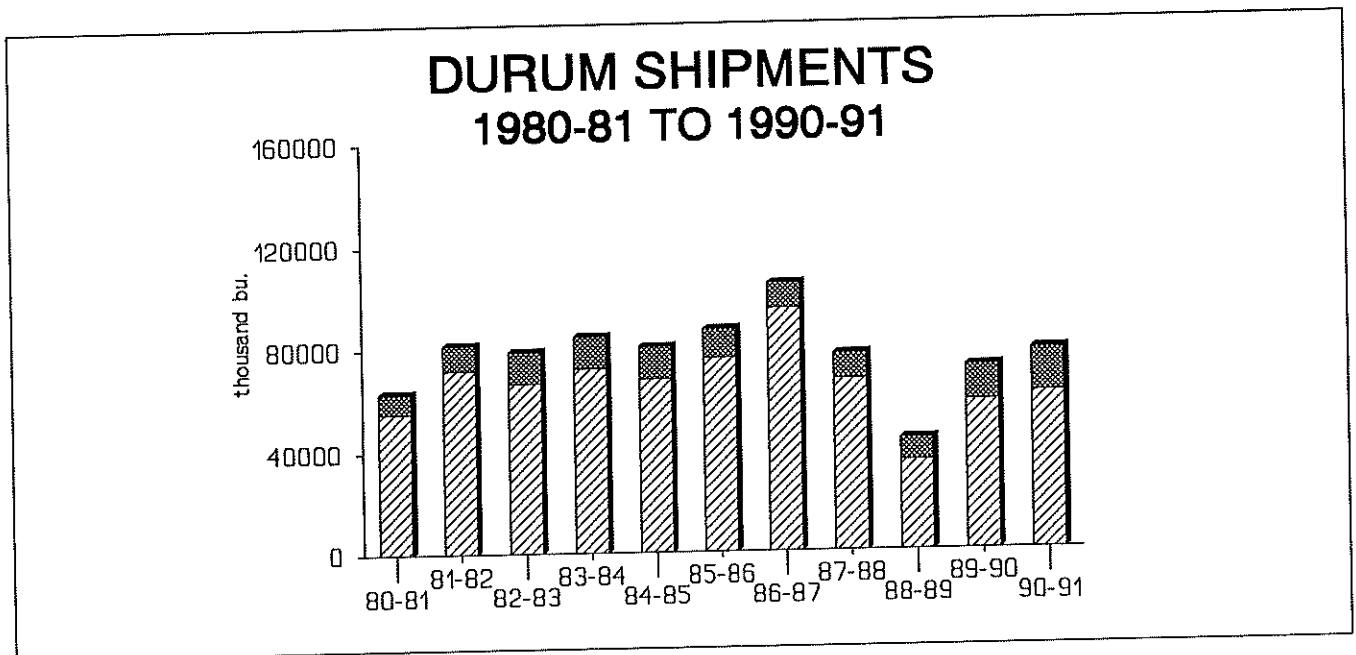
YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	14,664 (86%)	2,360 (14%)	29,747 (84%)	5,790 (16%)	481 (29%)	1,155 (71%)	9,681 (89%)	1,147 (11%)	54,573 (84%)	10,542 (16%)
1977-78	14,576 (88%)	1,902 (12%)	52,552 (85%)	9,438 (15%)	871 (65%)	468 (35%)	7,419 (87%)	1,139 (13%)	75,418 (85%)	12,947 (15%)
1978-79	15,950 (85%)	2,847 (15%)	47,950 (79%)	13,023 (21%)	1,341 (87%)	203 (13%)	5,797 (79%)	1,548 (21%)	71,038 (80%)	17,621 (20%)
1979-80	22,408 (81%)	4,304 (19%)	48,415 (84%)	8,964 (16%)	1,254 (83%)	252 (17%)	7,178 (80%)	1,807 (20%)	79,255 (84%)	15,327 (16%)
1980-81	13,599 (90%)	1,447 (10%)	33,852 (88%)	4,650 (12%)	353 (73%)	130 (27%)	7,834 (86%)	1,326 (14%)	55,638 (88%)	7,553 (12%)
1981-82	17,013 (86%)	2,754 (14%)	43,972 (89%)	5,271 (11%)	443 (71%)	177 (29%)	10,662 (87%)	1,588 (13%)	72,090 (88%)	9,790 (12%)
1982-83	19,464 (88%)	2,546 (12%)	36,670 (86%)	6,149 (14%)	541 (73%)	194 (26%)	10,034 (74%)	3,533 (26%)	66,710 (84%)	12,422 (16%)
1983-84	20,380 (86%)	3,462 (14%)	36,166 (84%)	6,976 (16%)	1,322 (96%)	56 (4%)	14,546 (88%)	2,032 (12%)	72,415 (85%)	12,527 (15%)
1984-85	14,652 (80%)	3,700 (20%)	42,238 (88%)	5,899 (12%)	1,241 (87%)	180 (13%)	9,856 (77%)	2,905 (23%)	67,987 (84%)	12,684 (16%)
1985-86	21,191 (90%)	2,307 (10%)	33,330 (88%)	4,695 (12%)	2,850 (97%)	75 (3%)	18,695 (82%)	4,200 (18%)	76,067 (87%)	11,278 (13%)
1986-87	14,679 (85%)	2,671 (15%)	42,543 (92%)	3,608 (8%)	2,932 (99%)	37 (1%)	34,843 (91%)	3,656 (9%)	94,996 (91%)	9,972 (9%)
1987-88	13,662 (89%)	1,685 (11%)	25,969 (92%)	2,246 (6%)	1,110 (94%)	73 (6%)	26,542 (81%)	6,107 (19%)	67,283 (87%)	10,111 (13%)
1988-89	9,421 (88%)	1,244 (12%)	8,995 (90%)	1,037 (10%)	1,426 (99%)	10 (1%)	15,444 (71%)	6,324 (29%)	35,288 (80%)	8,617 (20%)
1989-90	12,346 (79%)	3,265 (21%)	17,022 (81%)	4,081 (19%)	1,118 (99%)	8 (1%)	28,039 (82%)	6,123 (18%)	58,525 (81%)	13,478 (19%)
1990-91	13,842 (76%)	4,317 (24%)	18,463 (76%)	5,705 (24%)	914 (98%)	15 (2%)	28,391 (81%)	6,662 (19%)	61,610 (79%)	16,699 (21%)



Rail



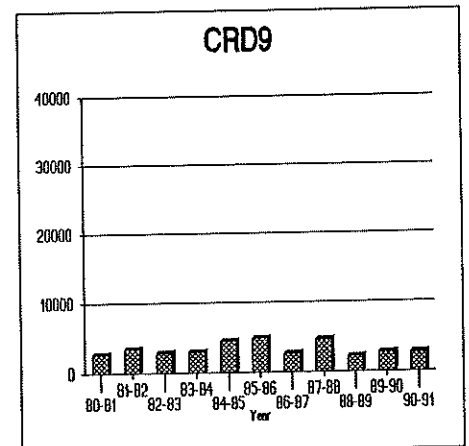
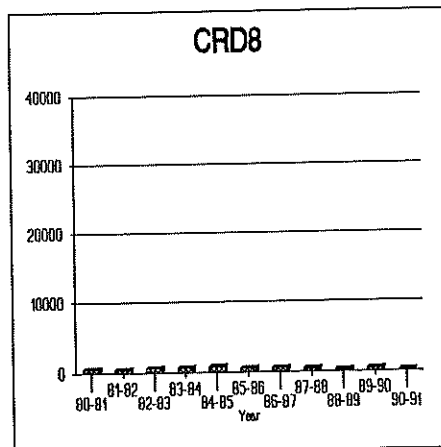
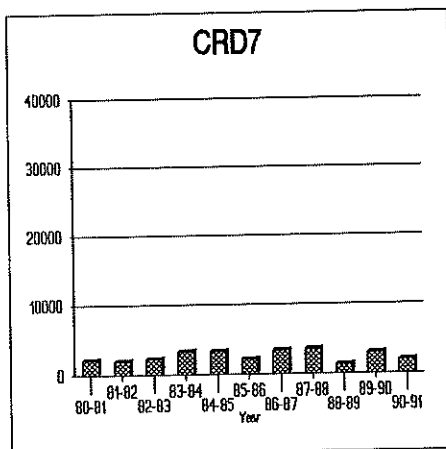
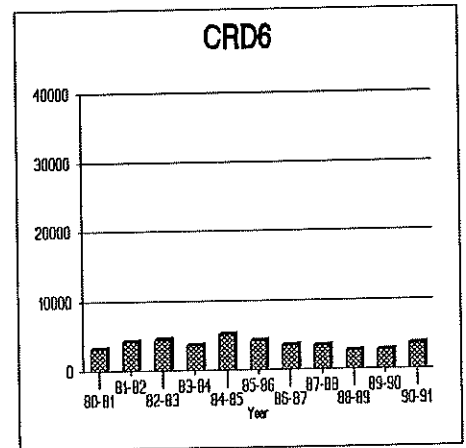
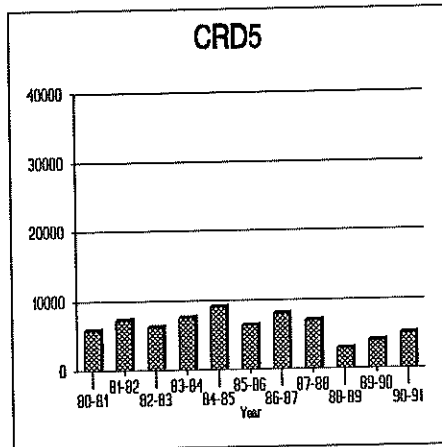
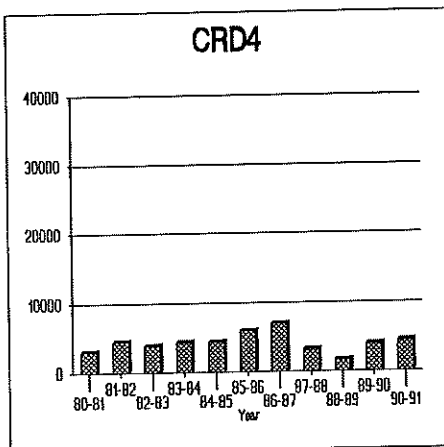
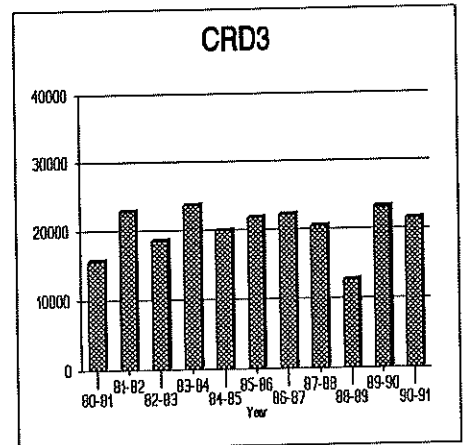
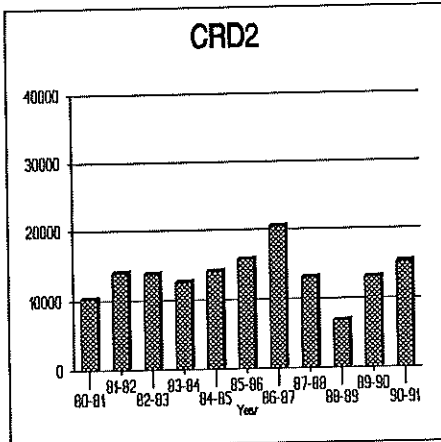
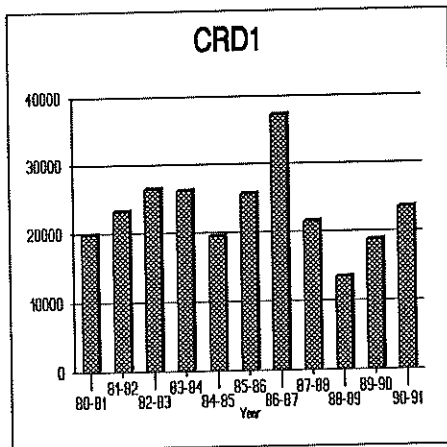
Truck



**NORTH DAKOTA DURUM SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	19,420 (30%)	11,279 (17%)	18,168 (28%)	3,728 (6%)	4,960 (8%)	2,573 (4%)	2,013 (3%)	760 (1%)	2,123 (3%)	65,024 (100%)
1977-78	26,813 (30%)	16,378 (19%)	25,707 (29%)	4,449 (5%)	5,945 (7%)	3,269 (4%)	2,071 (2%)	469 (1%)	3,266 (4%)	88,367 (100%)
1978-79	27,496 (31%)	16,256 (18%)	22,902 (26%)	4,808 (5%)	7,269 (8%)	3,251 (4%)	2,755 (3%)	728 (1%)	3,197 (4%)	88,662 (100%)
1979-80	29,060 (31%)	16,472 (17%)	24,453 (26%)	5,512 (6%)	7,670 (8%)	3,432 (4%)	3,619 (4%)	800 (1%)	3,565 (4%)	94,583 (100%)
1980-81	19,774 (31%)	10,223 (16%)	15,644 (25%)	3,129 (5%)	5,817 (9%)	3,150 (5%)	2,177 (3%)	503 (1%)	2,774 (4%)	63,191 (100%)
1981-82	23,105 (28%)	13,973 (17%)	22,807 (28%)	4,467 (5%)	7,272 (9%)	4,238 (5%)	2,045 (2%)	448 (1%)	3,525 (4%)	81,881 (100%)
1982-83	26,387 (33%)	13,835 (17%)	18,509 (23%)	3,906 (5%)	6,237 (8%)	4,446 (6%)	2,268 (3%)	616 (1%)	2,929 (4%)	79,132 (100%)
1983-84	26,080 (31%)	12,612 (15%)	23,621 (28%)	4,405 (5%)	7,531 (9%)	3,644 (4%)	3,349 (4%)	629 (1%)	3,070 (4%)	84,941 (100%)
1984-85	19,441 (24%)	14,079 (17%)	19,872 (25%)	4,423 (5%)	9,092 (11%)	5,115 (6%)	3,341 (4%)	795 (1%)	4,511 (6%)	80,670 (100%)
1985-86	25,555 (29%)	15,786 (18%)	21,760 (25%)	5,956 (7%)	6,383 (7%)	4,246 (5%)	2,192 (3%)	553 (1%)	4,915 (6%)	87,344 (100%)
1986-87	37,163 (35%)	20,465 (19%)	22,148 (21%)	7,038 (7%)	7,989 (7%)	3,536 (3%)	3,421 (3%)	505 (0%)	2,703 (3%)	104,968 (100%)
1987-88	21,414 (28%)	13,049 (17%)	20,479 (26%)	3,272 (4%)	6,993 (9%)	3,455 (4%)	3,552 (5%)	472 (1%)	4,707 (6%)	77,393 (100%)
1988-89	13,346 (30%)	6,820 (16%)	12,607 (29%)	1,671 (4%)	2,919 (7%)	2,596 (6%)	1,394 (3%)	229 (1%)	2,320 (5%)	43,902 (100%)
1989-90	18,690 (26%)	13,063 (18%)	23,198 (32%)	4,035 (6%)	4,013 (5%)	2,703 (4%)	2,991 (4%)	478 (1%)	2,832 (4%)	72,003 (100%)
1990-91	23,441 (30%)	15,241 (19%)	21,489 (27%)	4,446 (6%)	5,039 (6%)	3,641 (5%)	2,008 (3%)	175 (0%)	2,829 (4%)	78,309 (100%)

DURUM SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)





***BARLEY
SHIPMENTS***

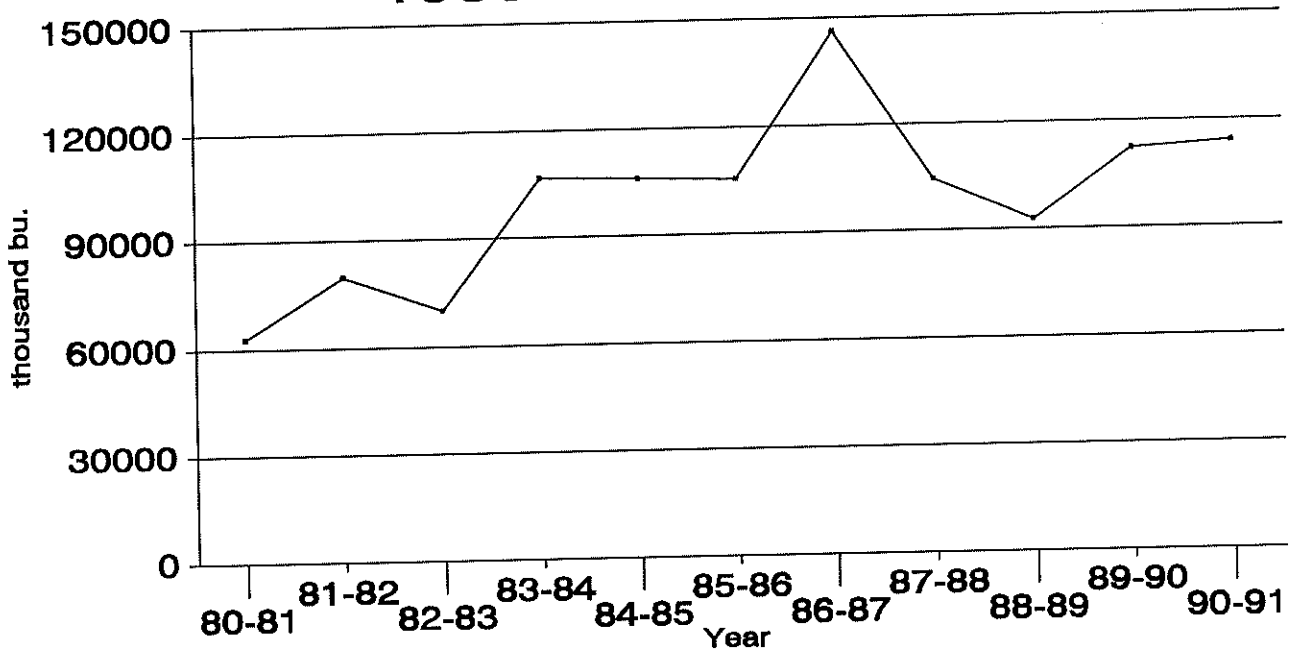
**NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	MIDLAND/ SOUTHWEST	MISC. MARKETS	TOTAL
1976-77	39,728 (54%)	26,672 (36%)	-	-	73,314 (100%)
1977-78	25,006 (40%)	22,394 (35%)	-	-	63,115 (100%)
1978-79	27,092 (39%)	12,786 (18%)	-	-	69,648 (100%)
1979-80	29,169 (37%)	22,643 (29%)	-	-	78,621 (100%)
1980-81	20,034 (32%)	14,214 (23%)	-	-	62,672 (100%)
1981-82	19,942 (25%)	31,671 (40%)	-	-	79,801 (100%)
1982-83	20,857 (30%)	12,544 (18%)	-	-	70,106 (100%)
1983-84	21,394 (20%)	38,578 (36%)	-	-	106,645 (100%)
1984-85	22,827 (22%)	26,665 (25%)	-	-	106,030 (100%)
1985-86	20,434 (19%)	8,175 (8%)	- ^a	- ^a	105,436 (100%)
1986-87	29,521 (20%)	10,136 (7%)	19,154 (13%)	87,531 (60%)	146,342 (100%)
1987-88	27,230 (26%)	16,112 (15%)	16,203 (16%)	44,854 (43%)	104,399 (100%)
1988-89	22,691 (24%)	9,735 (11%)	12,486 (13%)	47,803 (52%)	92,715 (100%)
1989-90	23,464 (21%)	22,893 (20%)	19,061 (17%)	46,838 (42%)	112,256 (100%)
1990-91	24,174 (21%)	14,200 (12%)	20,482 (18%)	55,190 ^b (48%)	114,046 (100%)

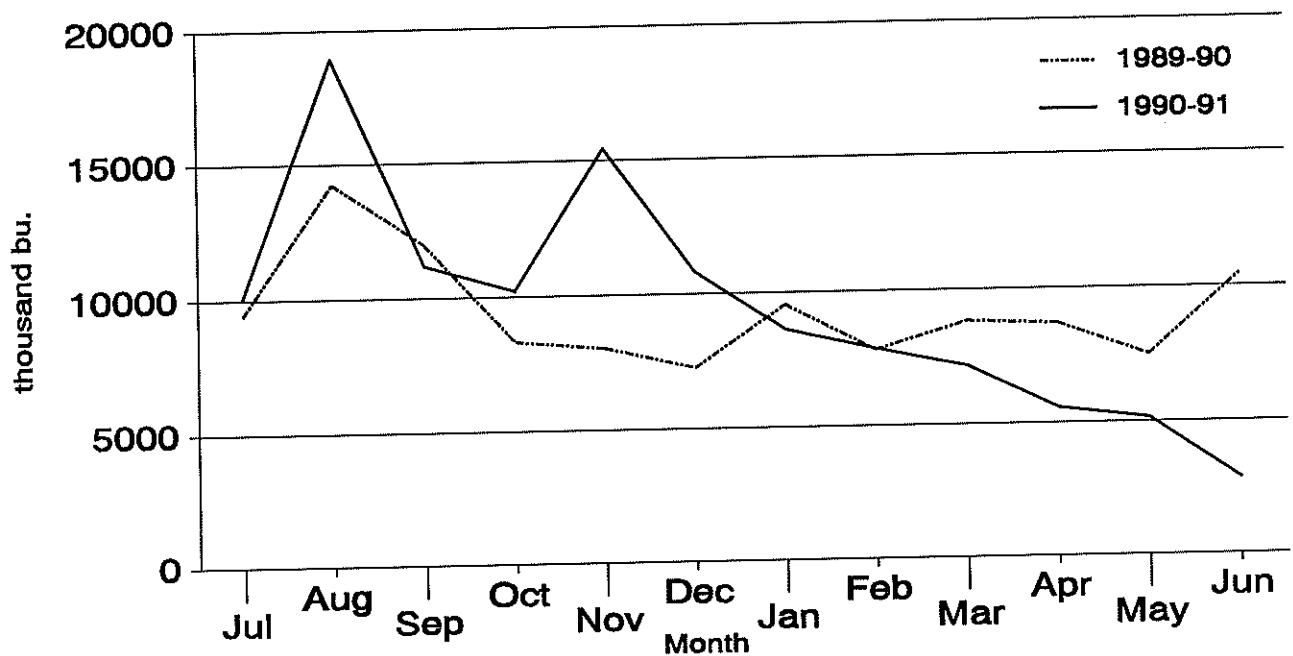
^aNot available prior to 1986-87.

^bMiscellaneous markets include shipments to Pacific Northwest destinations (11.7 million bushels or 10%), other Minnesota/Wisconsin destinations (13.8 million bushels or 12%), North Dakota destinations (17.8 million bushels or 16%), and all other markets (11.9 million bushels or 10%).

BARLEY SHIPMENTS 1980-81 to 1990-91



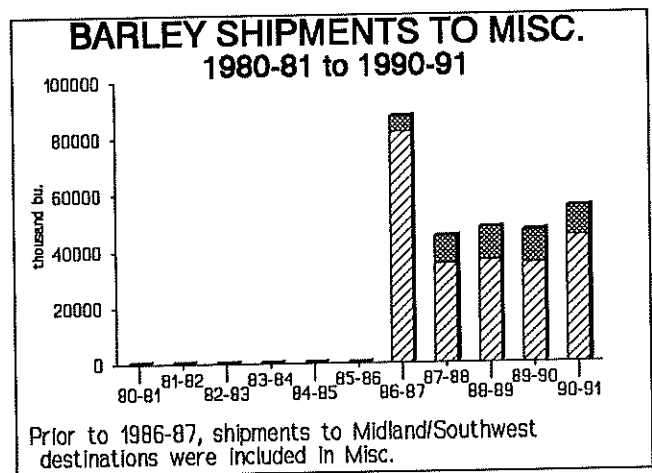
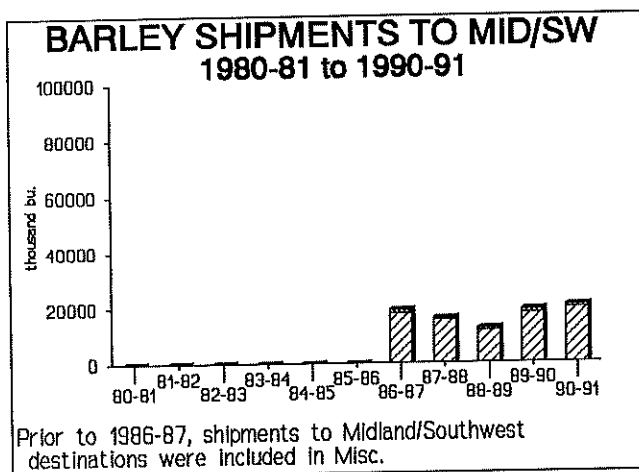
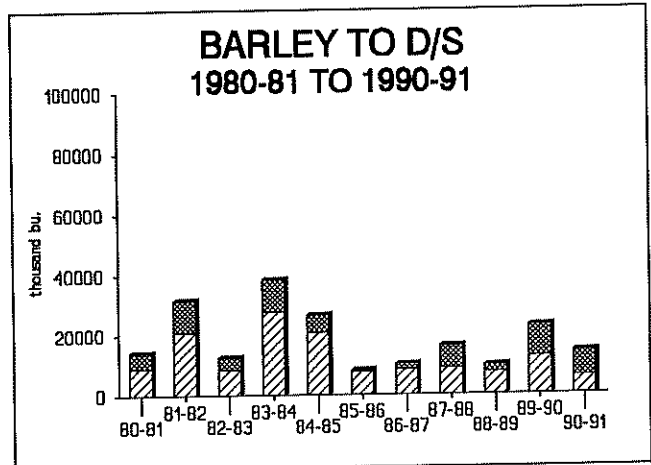
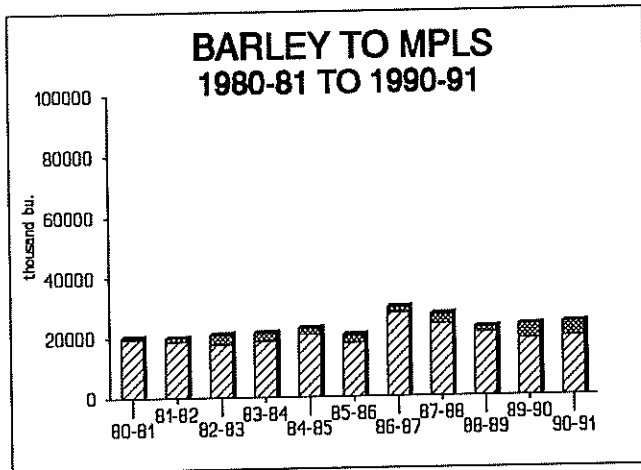
BARLEY SHIPMENTS BY MONTH, 1989-90 & 1990-91



**NORTH DAKOTA BARLEY SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		MIDLAND/ SOUTHWEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	37,974 (96%)	1,753 (4%)	5,792 (22%)	20,880 (78%)	-	-	-	-	48,169 (66%)	25,144 (34%)
1977-78	23,111 (92%)	1,895 (8%)	6,145 (27%)	16,249 (73%)	-	-	-	-	41,162 (65%)	21,953 (35%)
1978-79	25,414 (94%)	1,678 (6%)	7,578 (59%)	5,210 (41%)	-	-	-	-	52,325 (75%)	17,325 (25%)
1979-80	27,963 (96%)	1,206 (4%)	15,697 (69%)	6,945 (31%)	-	-	-	-	61,689 (79%)	16,931 (21%)
1980-81	19,535 (98%)	499 (2%)	9,025 (63%)	5,189 (37%)	-	-	-	-	47,785 (76%)	14,887 (24%)
1981-82	18,619 (93%)	1,323 (7%)	20,889 (66%)	10,782 (34%)	-	-	-	-	59,943 (75%)	19,858 (25%)
1982-83	17,680 (85%)	3,176 (15%)	8,484 (68%)	4,060 (32%)	-	-	-	-	55,337 (79%)	14,768 (21%)
1983-84	18,763 (88%)	2,631 (12%)	27,896 (72%)	10,682 (28%)	-	-	-	-	87,225 (82%)	19,420 (18%)
1984-85	20,821 (91%)	2,006 (9%)	20,822 (78%)	5,843 (22%)	-	-	-	-	87,901 (83%)	18,128 (17%)
1985-86	17,888 (88%)	2,546 (12%)	7,610 (93%)	565 (7%)	-	-	-	^a	91,717 (87%)	13,719 (13%)
1986-87	27,731 (94%)	1,789 (6%)	8,429 (83%)	1,707 (17%)	17,858 (93%)	1,296 (7%)	82,176 (94%)	5,356 (6%)	136,194 (93%)	10,148 (7%)
1987-88	23,958 (88%)	3,272 (12%)	8,827 (55%)	7,285 (45%)	15,522 (96%)	681 (4%)	35,271 (79%)	9,583 (21%)	83,548 (80%)	20,851 (20%)
1988-89	20,908 (92%)	1,782 (8%)	7,395 (76%)	2,340 (24%)	11,566 (93%)	920 (7%)	36,599 (77%)	11,204 (23%)	76,467 (82%)	16,248 (18%)
1989-90	18,892 (81%)	4,572 (19%)	12,603 (55%)	10,290 (45%)	17,919 (94%)	1,142 (6%)	35,370 (76%)	11,468 (24%)	84,784 (76%)	27,472 (24%)
1990-91	19,533 (81%)	4,641 (19%)	5,969 (42%)	8,231 (58%)	19,678 (96%)	804 (4%)	45,005 (82%)	10,185 (18%)	90,185 (79%)	23,861 (21%)

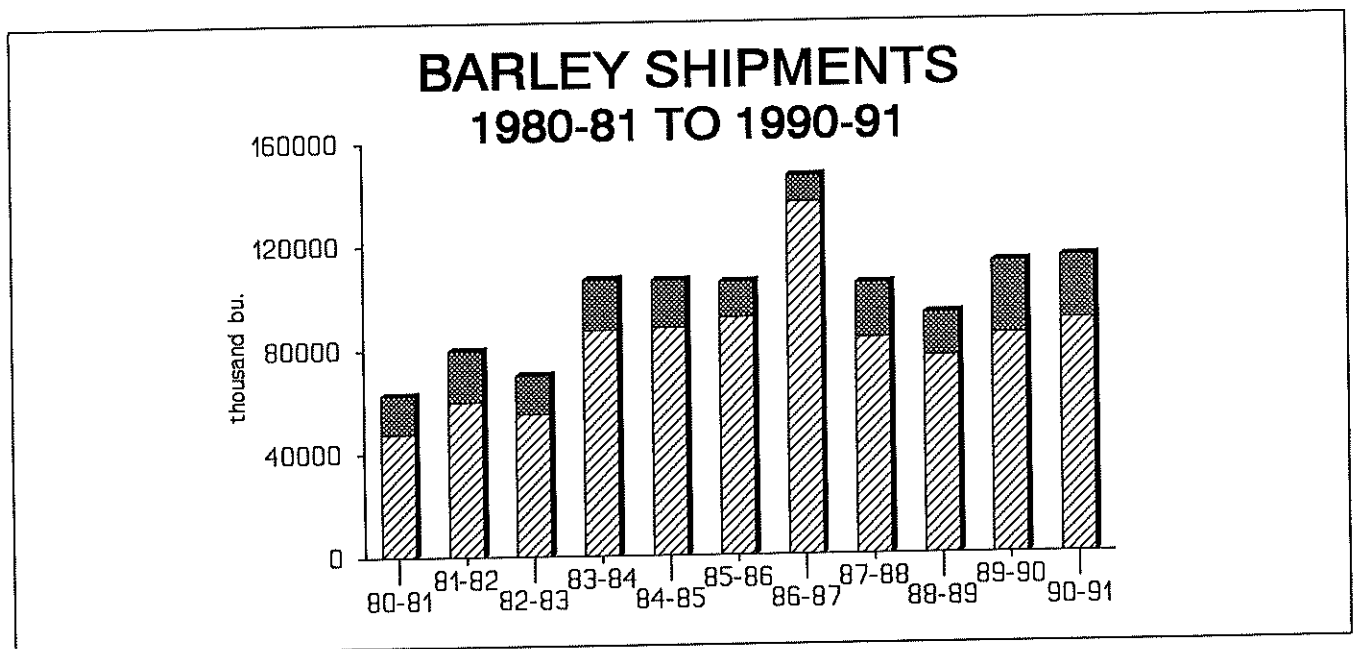
^a Before 1986-87, Midland/Southwest shipments were included in Miscellaneous Markets.



Rail



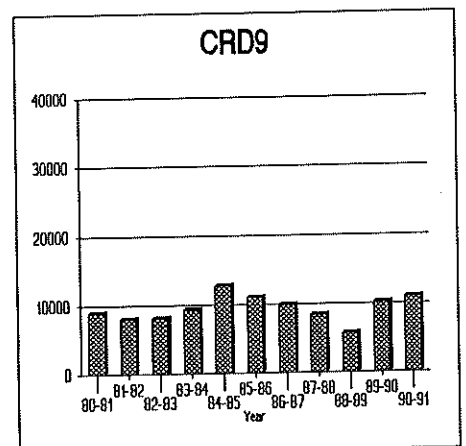
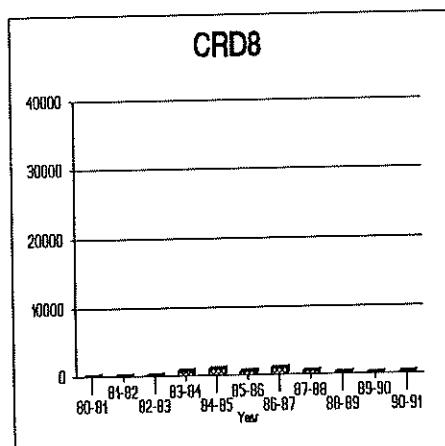
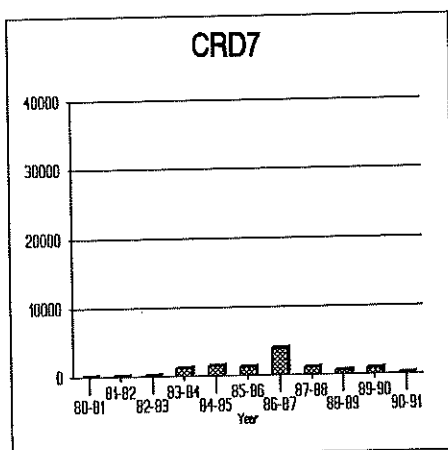
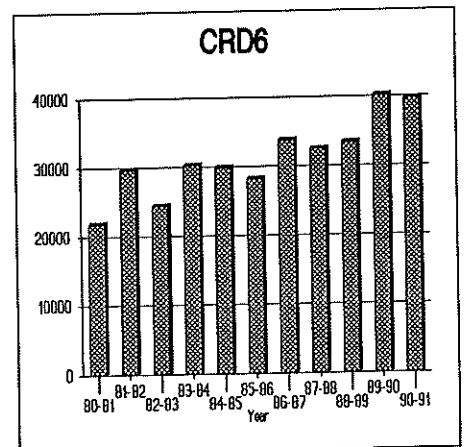
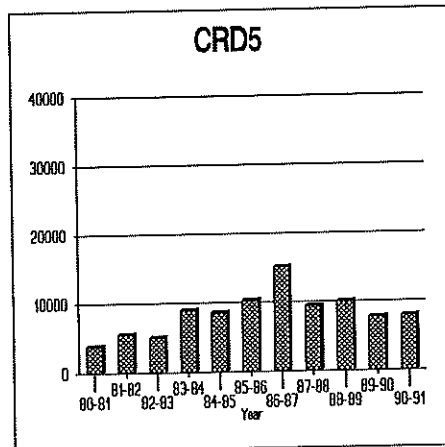
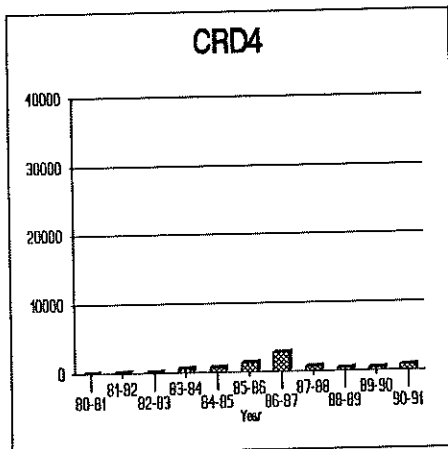
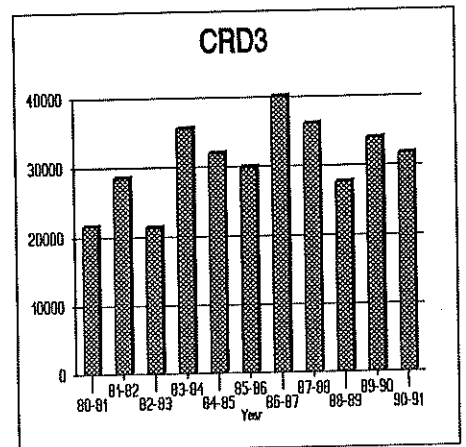
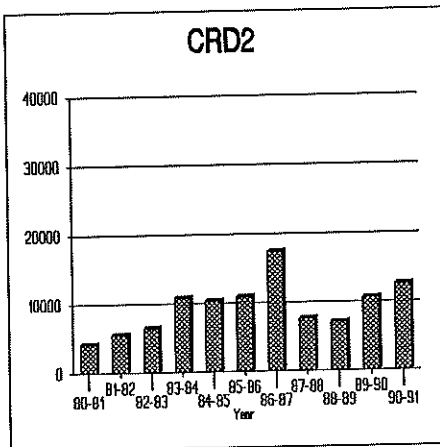
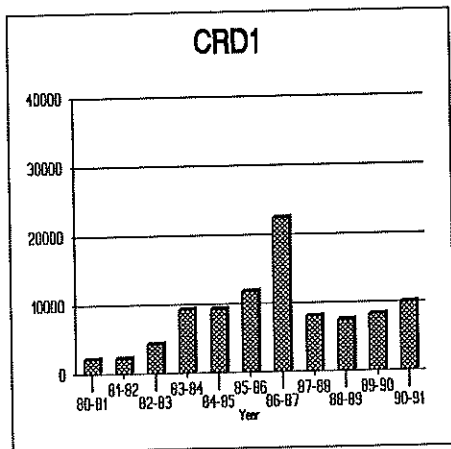
Truck

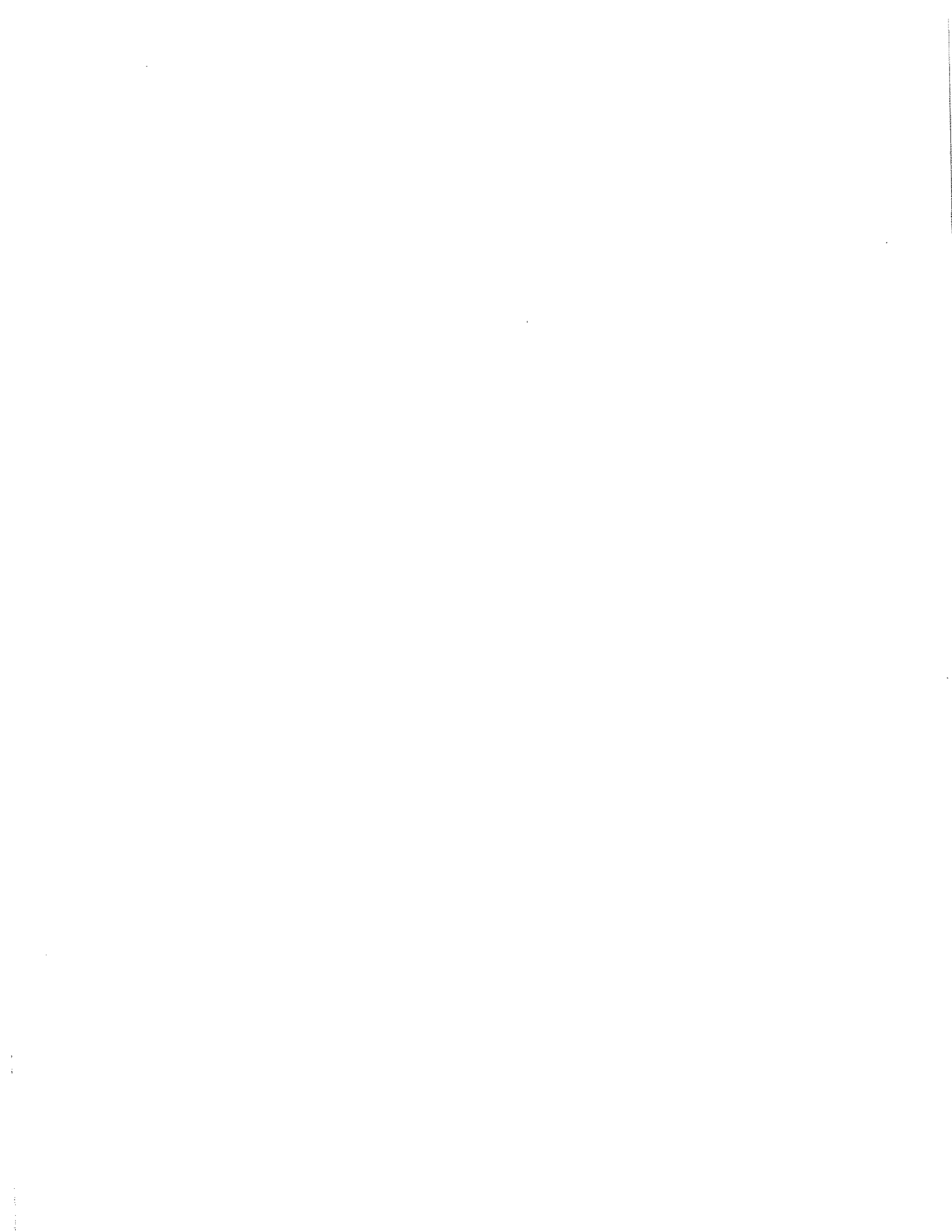


**NORTH DAKOTA BARLEY SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	3,229 (4%)	7,761 (11%)	30,727 (42%)	345 (1%)	4,773 (7%)	22,440 (31%)	300 (0%)	237 (0%)	3,501 (5%)	73,313 (100%)
1977-78	2,502 (4%)	5,220 (8%)	25,417 (40%)	175 (0%)	3,682 (6%)	20,258 (32%)	94 (0%)	20 (0%)	5,747 (5%)	63,115 (100%)
1978-79	3,515 (5%)	6,930 (10%)	23,449 (34%)	164 (0%)	5,423 (8%)	22,739 (33%)	120 (0%)	122 (0%)	7,185 (10%)	69,647 (100%)
1979-80	2,355 (3%)	6,267 (8%)	30,625 (39%)	214 (0%)	4,697 (6%)	25,247 (32%)	130 (0%)	106 (0%)	8,980 (11%)	78,621 (100%)
1980-81	2,162 (3%)	4,217 (7%)	21,561 (36%)	56 (0%)	3,782 (6%)	21,812 (35%)	13 (0%)	21 (0%)	9,049 (14%)	62,673 (100%)
1981-82	2,175 (3%)	5,571 (7%)	28,506 (36%)	89 (0%)	5,504 (7%)	29,773 (37%)	12 (0%)	63 (0%)	8,108 (10%)	79,801 (100%)
1982-83	4,304 (6%)	6,458 (9%)	21,380 (30%)	139 (0%)	5,028 (7%)	24,481 (35%)	57 (0%)	113 (0%)	8,146 (12%)	70,106 (100%)
1983-84	9,304 (9%)	10,838 (10%)	35,568 (33%)	612 (1%)	8,891 (8%)	30,281 (28%)	1,125 (1%)	672 (1%)	9,354 (9%)	106,645 (100%)
1984-85	9,245 (9%)	10,420 (10%)	32,002 (30%)	692 (1%)	8,587 (8%)	29,904 (28%)	1,386 (1%)	1,006 (1%)	12,789 (12%)	106,030 (100%)
1985-86	11,790 (11%)	10,918 (10%)	29,931 (28%)	1,328 (1%)	10,275 (10%)	28,258 (27%)	1,232 (1%)	611 (1%)	11,092 (11%)	105,436 (100%)
1986-87	22,443 (15%)	17,501 (12%)	40,032 (27%)	2,698 (2%)	15,079 (10%)	33,828 (23%)	3,883 (3%)	945 (1%)	9,931 (7%)	146,342 (100%)
1987-88	8,070 (8%)	7,713 (7%)	36,026 (35%)	658 (1%)	9,370 (9%)	32,593 (31%)	1,053 (1%)	497 (1%)	8,419 (8%)	104,399 (100%)
1988-89	7,472 (8%)	7,135 (8%)	27,618 (30%)	413 (0%)	10,072 (11%)	33,502 (36%)	535 (1%)	211 (0%)	5,752 (6%)	92,710 (100%)
1989-90	8,234 (7%)	10,645 (10%)	33,912 (30%)	419 (0%)	7,755 (7%)	40,160 (36%)	798 (1%)	123 (10%)	10,210 (9%)	112,256 (100%)
1990-91	10,057 (9%)	12,675 (11%)	31,650 (28%)	756 (1%)	7,936 (7%)	39,682 (35%)	117 (0%)	187 (0%)	10,986 (10%)	114,046 (100%)

BARLEY SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)







***SUNFLOWER
SHIPMENTS***

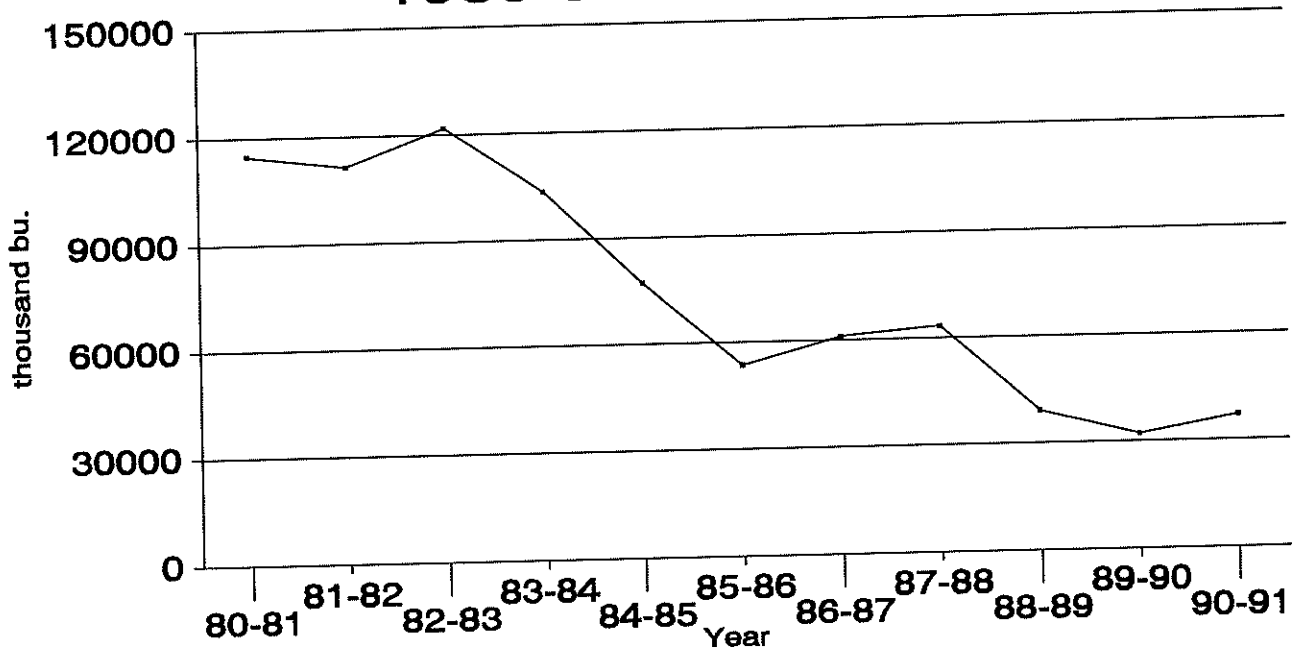
**NORTH DAKOTA SUNFLOWER SHIPMENTS
BY DESTINATION
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	NORTH DAKOTA	MISC. MARKETS	TOTAL
1976-77	863 (6%)	8,693 (56%)	- -	6,066 (39%)	15,622 (100%)
1977-78	2,992 (6%)	38,019 (74%)	- -	10,267 (20%)	51,278 (100%)
1978-79	4,790 (6%)	63,178 (80%)	- -	11,285 (14%)	79,253 (100%)
1979-80	6,154 (6%)	69,422 (72%)	- -	20,364 (22%)	95,940 (100%)
1980-81	10,167 (9%)	67,277 (59%)	- -	37,422 (32%)	114,866 (100%)
1981-82	6,664 (6%)	70,391 (63%)	- -	34,441 (31%)	111,496 (100%)
1982-83	14,374 (12%)	64,849 (53%)	- -	42,522 (35%)	121,744 (100%)
1983-84	11,741 (11%)	40,560 (39%)	- - ^a	51,147 (49%)	103,449 (100%)
1984-85	5,636 (7%)	42,875 (55%)	12,931 (17%)	15,969 (21%)	77,412 (100%)
1985-86	3,623 (7%)	12,659 (24%)	27,393 (51%)	9,866 (18%)	53,541 (100%)
1986-87	3,142 (5%)	9,705 (16%)	38,131 (62%)	10,088 (17%)	61,067 (100%)
1987-88	4,085 (6%)	7,629 (12%)	32,153 (51%)	19,552 (31%)	63,419 (100%)
1988-89	2,496 (6%)	105 (0%)	20,834 (53%)	15,619 (40%)	39,056 (100%)
1989-90	2,219 (7%)	433 (1%)	20,964 (65%)	8,558 (27%)	32,174 (100%)
1990-91	4,264 (11%)	716 (2%)	20,866 (56%)	11,240 ^b (30%)	37,086 (100%)

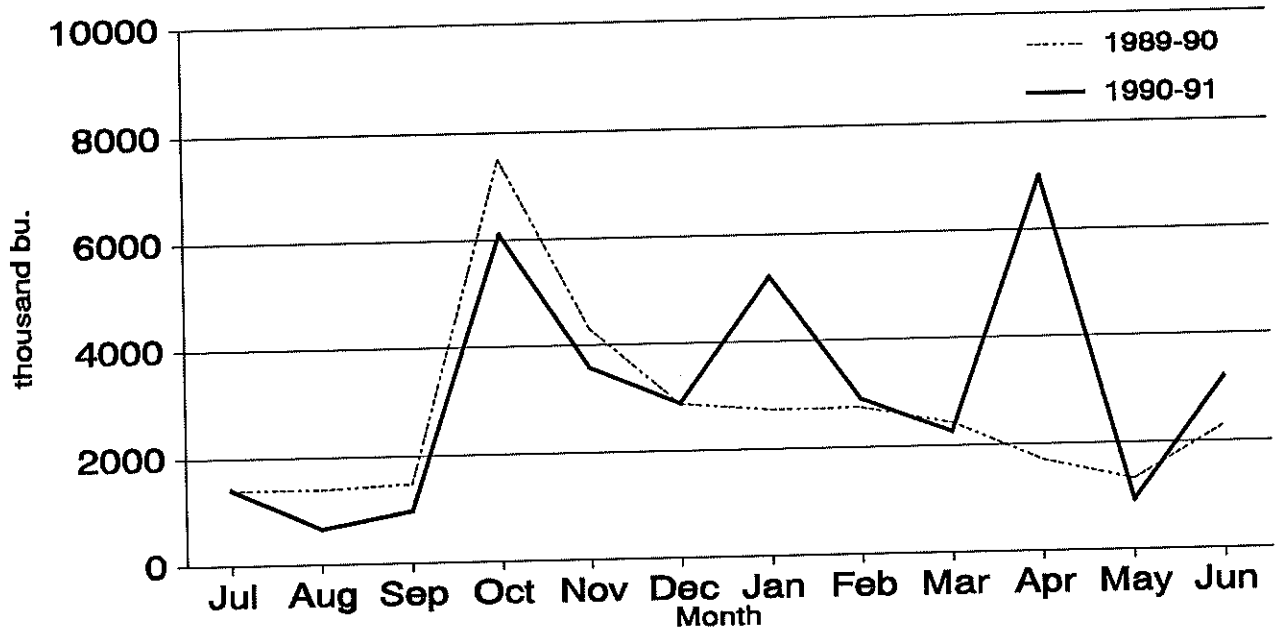
^a Prior to the 1984-85 crop year, shipments to North Dakota processors were reported under "Miscellaneous" shipments.

^b Miscellaneous markets for sunflower in 1990-91 include Other Minnesota and Wisconsin destinations (2.3 million bushels or 6%), Midland/Southwest markets (1.1 million bushels or 3%), Pacific Northwest destinations (0.1 million bushels or less than 1%), and all other markets (7.8 million bushels or 21%).

SUNFLOWER SHIPMENTS 1980-81 to 1990-91



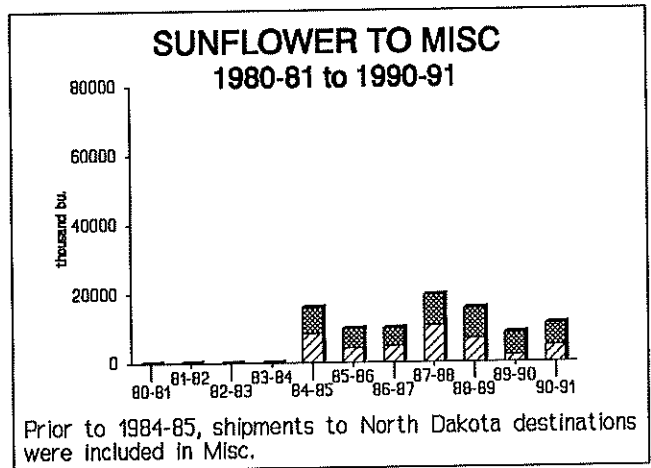
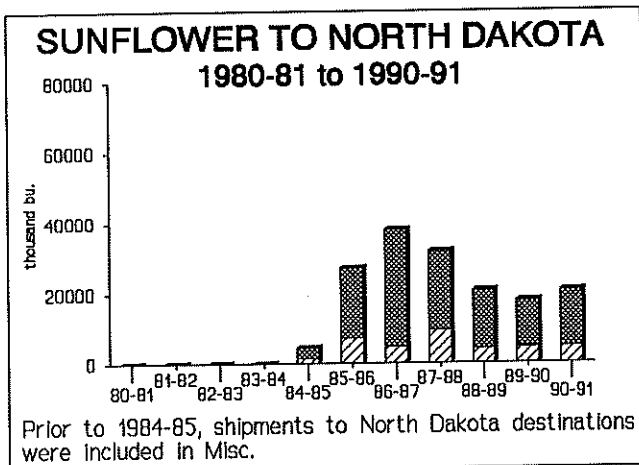
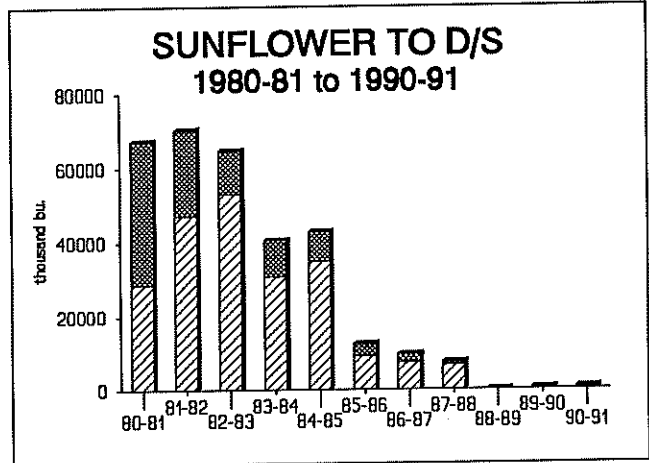
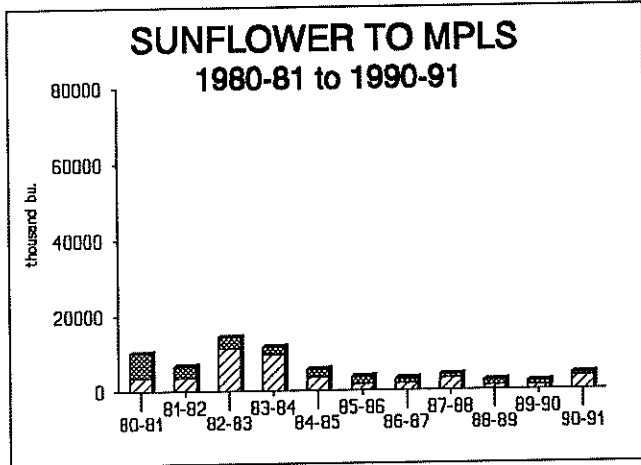
SUNFLOWER SHIPMENTS BY MONTH, 1989-90 and 1990-91



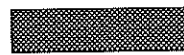
**NORTH DAKOTA SUNFLOWER SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		NORTH DAKOTA		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	700 (81%)	163 (19%)	5,598 (64%)	3,095 (36%)	-	-	2,222 (37%)	3,844 (63%)	8,520 (55%)	7,102 (45%)
1977-78	770 (26%)	2,223 (74%)	14,820 (39%)	23,199 (61%)	-	-	2,981 (29%)	7,286 (71%)	18,571 (36%)	32,708 (64%)
1978-79	489 (10%)	4,301 (90%)	18,830 (30%)	44,348 (70%)	-	-	2,164 (19%)	9,112 (81%)	21,492 (27%)	57,761 (73%)
1979-80	1,395 (23%)	4,759 (77%)	20,419 (29%)	49,003 (71%)	-	-	5,473 (27%)	14,892 (73%)	27,287 (28%)	68,654 (72%)
1980-81	3,621 (36%)	6,545 (64%)	28,607 (43%)	38,670 (57%)	-	-	14,216 (37%)	23,900 (63%)	46,444 (40%)	69,116 (60%)
1981-82	3,563 (53%)	3,101 (47%)	47,223 (67%)	23,168 (33%)	-	-	14,667 (43%)	19,774 (52%)	65,453 (59%)	46,043 (41%)
1982-83	11,367 (79%)	3,007 (21%)	53,207 (82%)	11,641 (18%)	-	-	15,527 (37%)	26,995 (63%)	80,101 (66%)	41,643 (34%)
1983-84	9,650 (82%)	2,090 (18%)	30,672 (76%)	9,888 (24%)	-	^a	25,385 (50%)	25,762 (50%)	65,708 (64%)	37,742 (36%)
1984-85	3,617 (64%)	2,019 (36%)	34,912 (81%)	7,963 (19%)	1,442 (31%)	3,217 (69%)	8,646 (54%)	7,323 (46%)	48,618 (63%)	28,793 (37%)
1985-86	1,690 (47%)	1,932 (53%)	9,286 (73%)	3,373 (27%)	7,343 (27%)	20,050 (73%)	4,291 (43%)	5,575 (57%)	22,610 (42%)	30,931 (58%)
1986-87	1,925 (61%)	1,217 (39%)	7,521 (77%)	2,185 (23%)	4,850 (13%)	33,280 (87%)	4,805 (48%)	5,283 (52%)	19,101 (31%)	41,965 (65%)
1987-88	3,214 (79%)	871 (21%)	6,842 (90%)	787 (10%)	9,540 (30%)	22,613 (70%)	10,730 (55%)	8,821 (45%)	30,327 (48%)	33,092 (52%)
1988-89	1,227 (49%)	1,269 (51%)	70 (67%)	35 (33%)	4,306 (21%)	16,529 (79%)	6,942 (44%)	8,678 (56%)	12,545 (32%)	26,510 (68%)
1989-90	1,159 (52%)	1,060 (48%)	420 (97%)	13 (3%)	4,750 (23%)	16,214 (77%)	2,041 (24%)	6,517 (76%)	8,370 (26%)	23,804 (74%)
1990-91	3,653 (86%)	610 (14%)	0 (0%)	716 (100%)	4,875 (23%)	15,991 (77%)	4,843 (43%)	6,398 (57%)	13,371 (36%)	23,715 (64%)

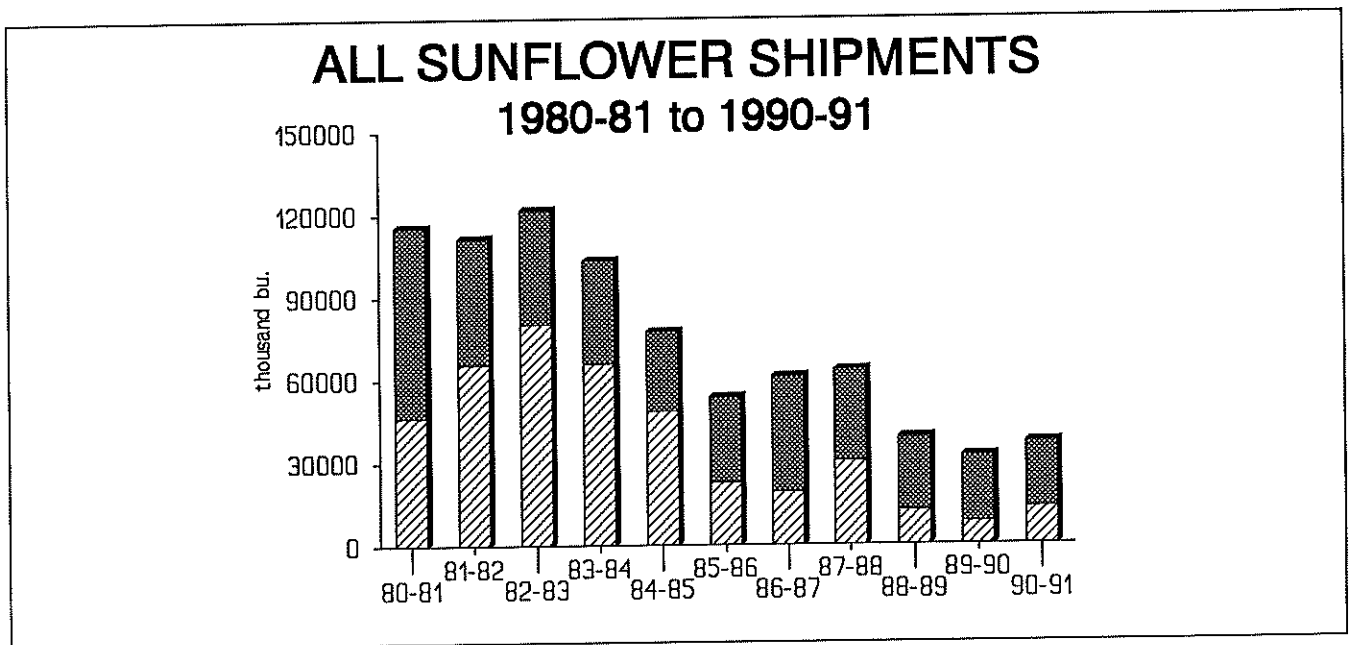
^aPrior to the 1984-85 crop year, shipments to North Dakota processors and feedlots were reported under "Miscellaneous" shipments.



Rail



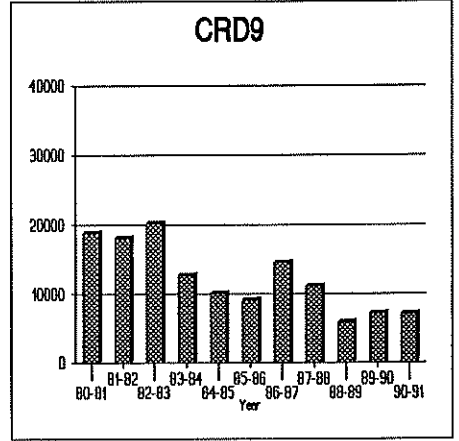
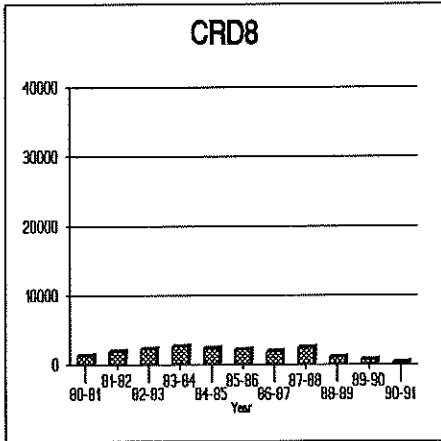
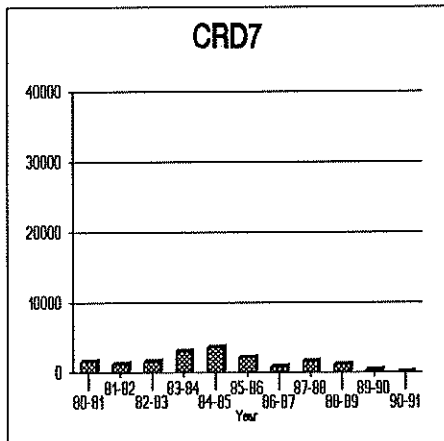
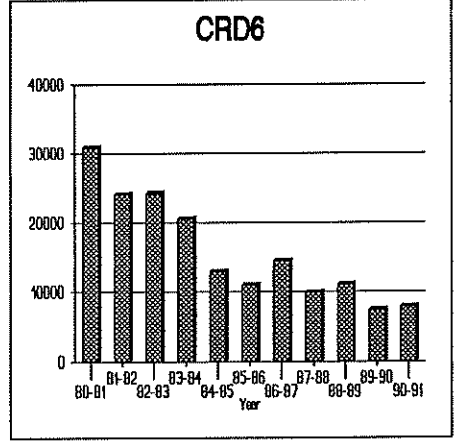
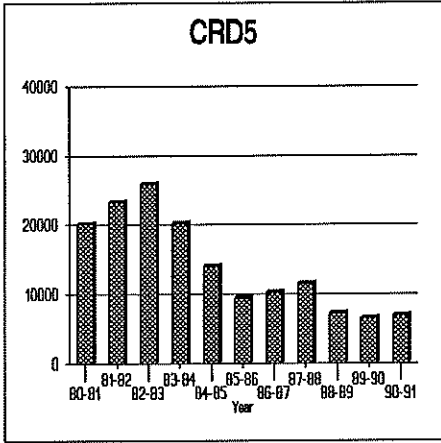
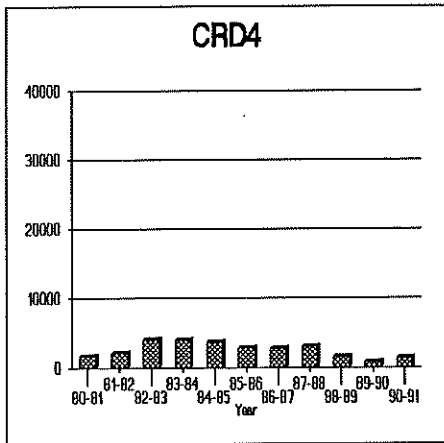
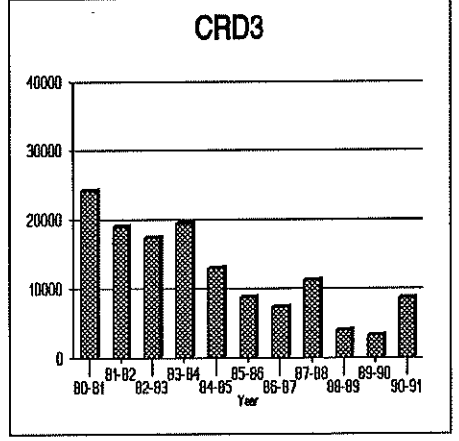
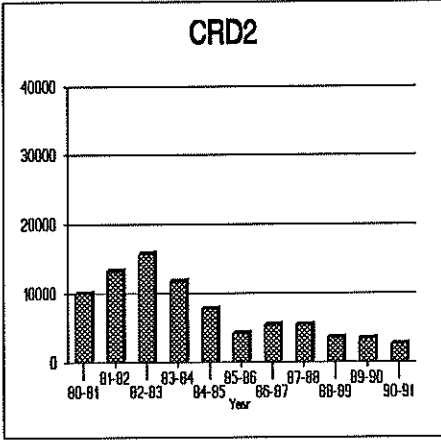
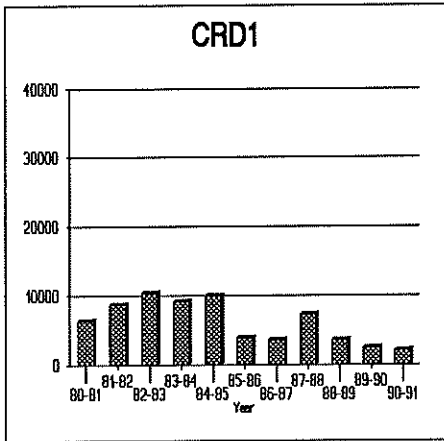
Truck



**NORTH DAKOTA SUNFLOWER SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	7 (0%)	26 (0%)	2,184 (14%)	20 (0%)	1,788 (11%)	7,861 (50%)	25 (0%)	0 (0%)	3,711 (24%)	15,622 (100%)
1977-78	771 (2%)	1,267 (2%)	10,469 (20%)	179 (0%)	9,087 (18%)	20,710 (40%)	225 (0%)	129 (0%)	8,442 (16%)	51,279 (100%)
1978-79	2,233 (3%)	2,839 (4%)	14,803 (19%)	336 (0%)	15,560 (20%)	30,050 (38%)	485 (1%)	225 (0%)	12,722 (16%)	79,253 (100%)
1979-80	4,317 (5%)	6,101 (6%)	21,814 (23%)	819 (1%)	12,706 (13%)	30,333 (32%)	1,550 (2%)	1,045 (1%)	17,254 (18%)	95,939 (100%)
1980-81	6,422 (6%)	9,970 (9%)	24,165 (21%)	1,668 (1%)	20,114 (18%)	30,871 (27%)	1,528 (1%)	1,256 (1%)	18,872 (16%)	114,866 (100%)
1981-82	8,702 (8%)	13,245 (12%)	18,996 (17%)	2,106 (2%)	23,244 (21%)	24,067 (22%)	1,219 (1%)	1,831 (2%)	18,086 (16%)	111,496 (100%)
1982-83	10,434 (9%)	15,728 (13%)	17,391 (14%)	4,084 (3%)	25,906 (21%)	24,230 (20%)	1,510 (1%)	2,206 (2%)	20,253 (17%)	121,744 (100%)
1983-84	9,188 (9%)	11,780 (11%)	19,429 (19%)	4,037 (4%)	20,200 (20%)	20,522 (20%)	3,023 (3%)	2,604 (3%)	12,666 (12%)	103,449 (100%)
1984-85	10,002 (13%)	7,761 (10%)	13,053 (17%)	3,701 (5%)	13,962 (18%)	12,943 (17%)	3,573 (5%)	2,277 (3%)	10,140 (13%)	77,412 (100%)
1985-86	3,899 (7%)	4,208 (8%)	8,722 (16%)	2,894 (5%)	9,382 (18%)	10,994 (21%)	2,077 (4%)	2,153 (4%)	9,211 (17%)	53,541 (100%)
1986-87	3,582 (6%)	5,414 (9%)	7,336 (12%)	2,753 (5%)	10,284 (17%)	14,437 (24%)	830 (1%)	1,875 (3%)	14,556 (24%)	61,067 (100%)
1987-88	7,305 (12%)	5,414 (9%)	11,280 (18%)	3,031 (5%)	11,429 (18%)	9,926 (16%)	1,543 (2%)	2,371 (4%)	11,120 (18%)	63,419 (100%)
1988-89	3,608 (9%)	3,631 (9%)	3,983 (10%)	1,554 (4%)	7,228 (19%)	11,054 (28%)	1,076 (3%)	1,019 (3%)	5,899 (15%)	39,052 (100%)
1989-90	2,487 (8%)	3,466 (11%)	3,258 (10%)	810 (3%)	6,560 (20%)	7,460 (23%)	308 (1%)	613 (2%)	7,212 (22%)	32,174 (100%)
1990-91	2,146 (6%)	2,648 (7%)	8,634 (23%)	1,357 (4%)	6,893 (19%)	7,900 (21%)	118 (0%)	291 (1%)	7,099 (19%)	37,086 (100%)

SUNFLOWER SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)





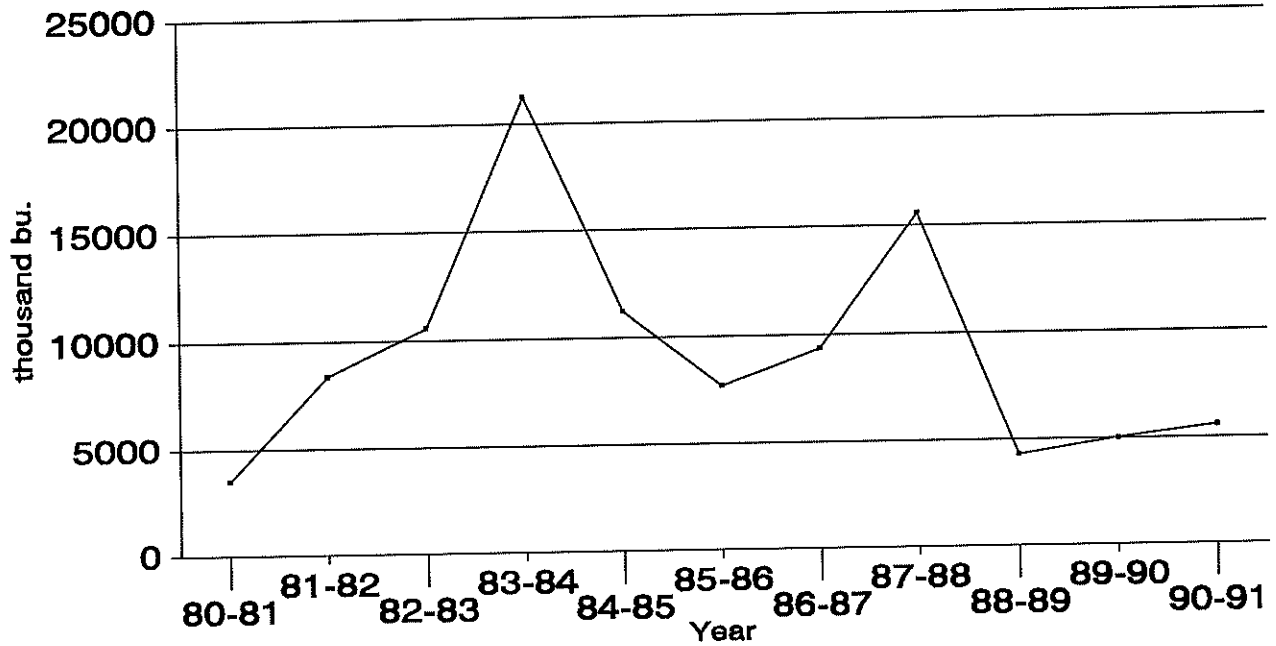
***OATS
SHIPMENTS***

**NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION
(thousand bu.)**

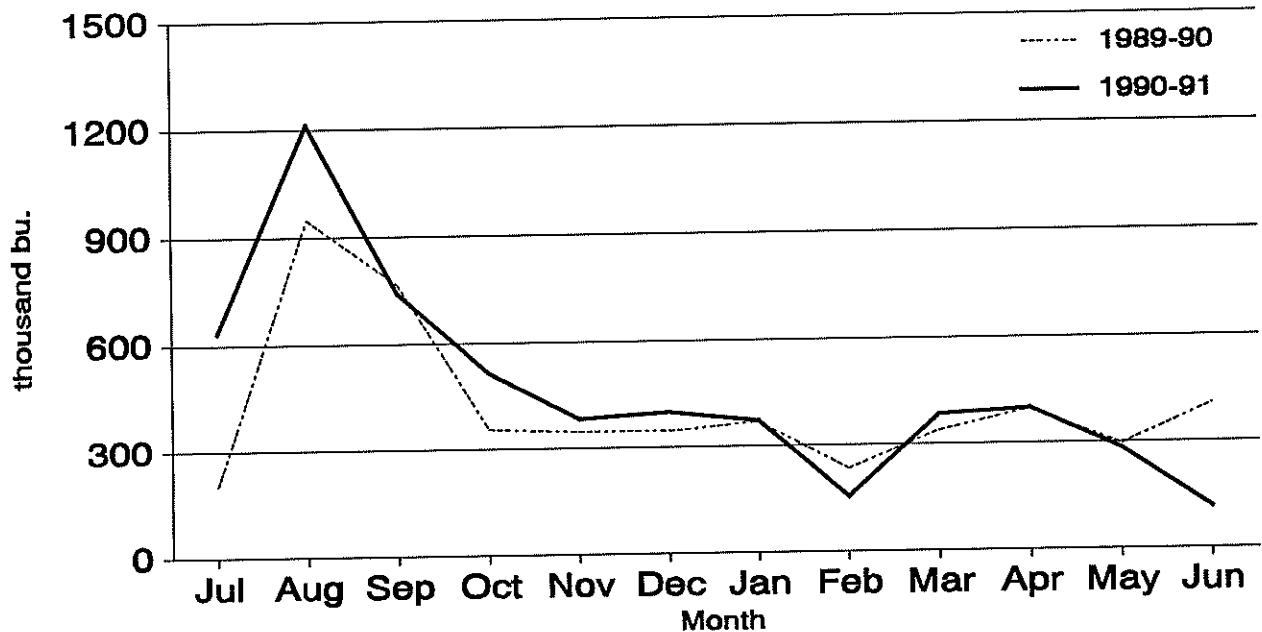
YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
1976-77	6,769 (56%)	1,932 (16%)	1,427 (12%)	2,031 (17%)	12,159 (100%)
1977-78	5,860 (56%)	2,385 (23%)	851 (8%)	1,396 (13%)	10,492 (100%)
1978-79	6,969 (58%)	2,078 (17%)	1,200 (10%)	1,839 (15%)	12,086 (100%)
1979-80	4,298 (54%)	346 (4%)	1,580 (20%)	1,735 (22%)	7,959 (100%)
1980-81	1,269 (36%)	299 (8%)	936 (27%)	1,011 (29%)	3,515 (100%)
1981-82	5,491 (65%)	722 (9%)	630 (8%)	1,536 (18%)	8,379 (100%)
1982-83	7,045 (67%)	410 (4%)	675 (6%)	2,453 (23%)	10,583 (100%)
1983-84	14,984 (70%)	588 (3%)	400 (2%)	5,289 (25%)	21,261 (100%)
1984-85	6,467 (58%)	166 (1%)	437 (4%)	4,163 (37%)	11,233 (100%)
1985-86	4,029 (52%)	115 (1%)	431 (6%)	3,131 (41%)	7,706 (100%)
1986-87	4,690 (50%)	74 (1%)	193 (2%)	4,430 (47%)	9,387 (100%)
1987-88	8,272 (53%)	25 (0%)	96 (1%)	7,183 (46%)	15,576 (100%)
1988-89	2,999 (70%)	83 (2%)	17 (0%)	1,197 (28%)	4,296 (100%)
1989-90	3,179 (63%)	36 (1%)	12 (0%)	1,788 (36%)	5,015 (100%)
1990-91	2,496 (45%)	45 (1%)	316 (6%)	2,744 ^a (49%)	5,601 (100%)

^aMiscellaneous markets include shipments to North Dakota destinations (0.3 million bushels or 5%), Midland/Southwest destinations (0.8 million bushels or 16%), other Minnesota/Wisconsin destinations (0.4 million bushels or 6%), and all other markets (1.2 million bushels or 22%).

OATS SHIPMENTS 1980-81 to 1990-91

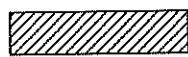
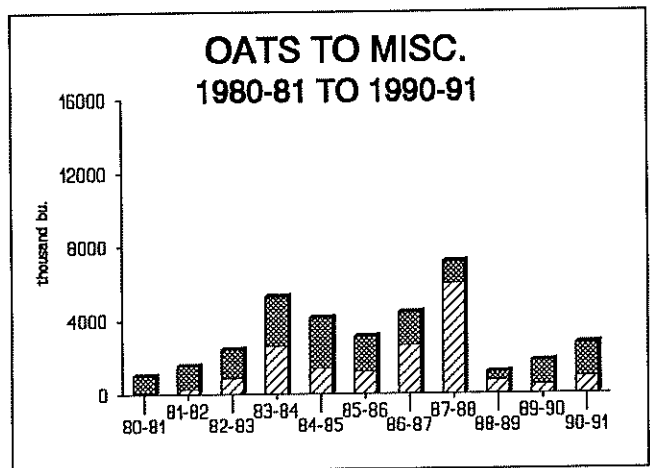
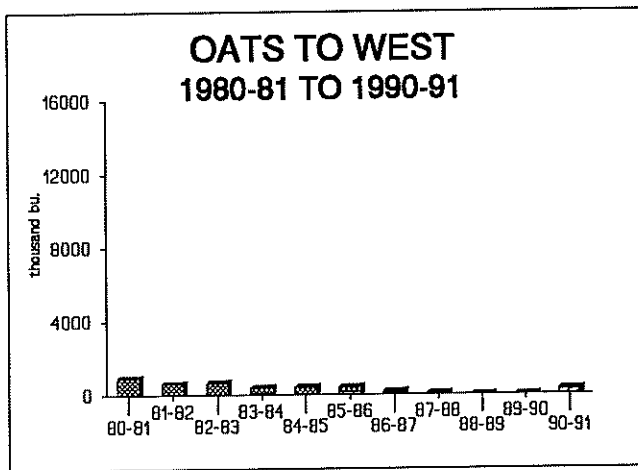
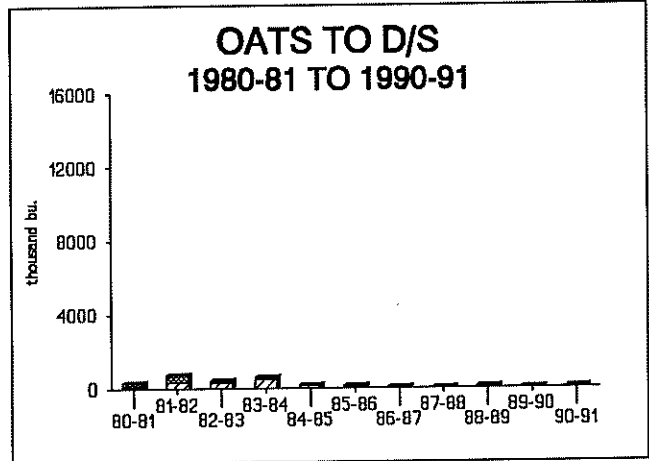
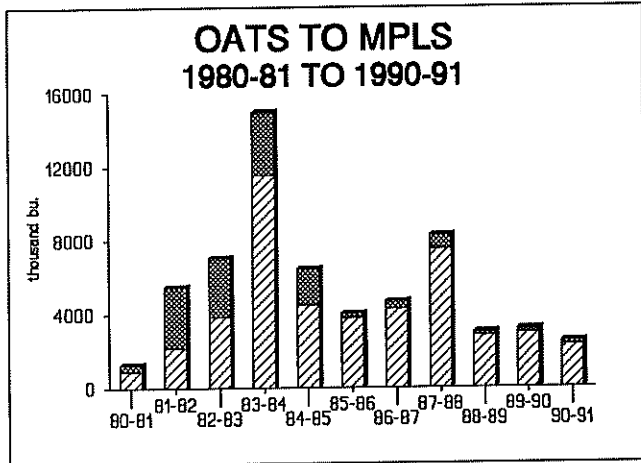


OATS SHIPMENTS BY MONTH, 1989-90 & 1990-91



**NORTH DAKOTA OATS SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

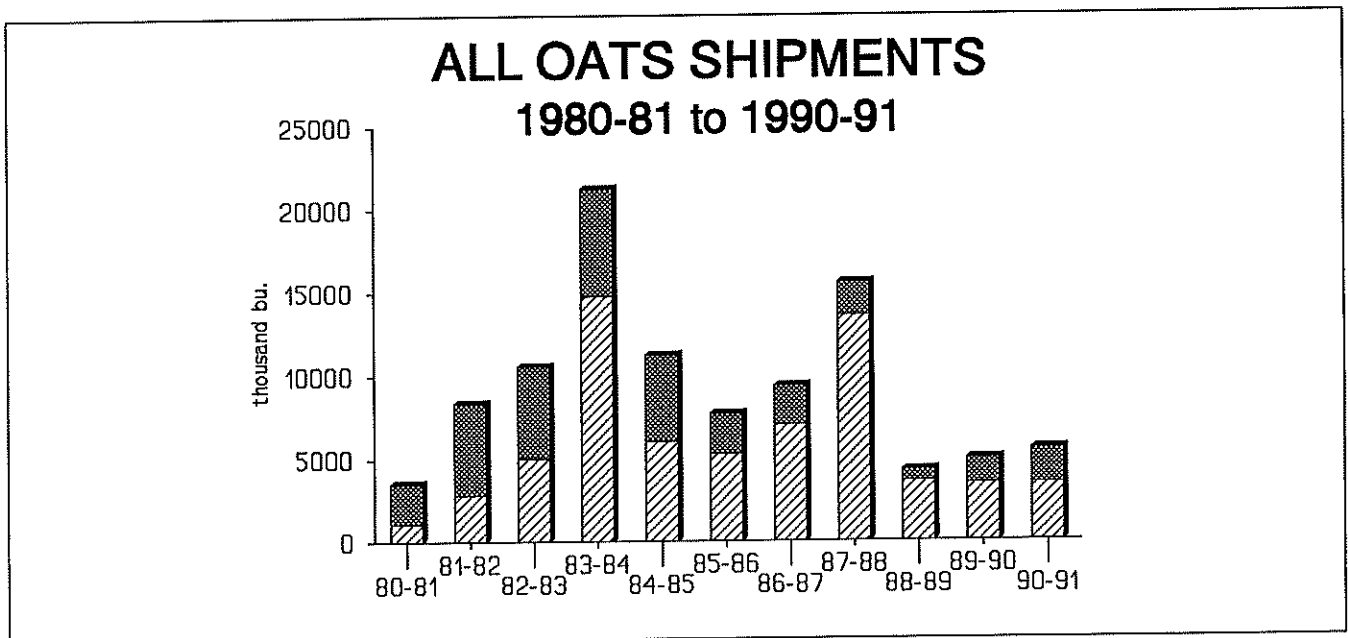
YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	4,602 (68%)	2,166 (32%)	761 (39%)	1,171 (61%)	121 (8%)	1,306 (92%)	231 (11%)	1,800 (89%)	5,715 (47%)	6,443 (53%)
1977-78	4,244 (72%)	1,616 (28%)	869 (36%)	1,516 (64%)	12 (1%)	839 (99%)	255 (18%)	1,142 (82%)	5,380 (51%)	5,113 (49%)
1978-79	4,767 (68%)	2,202 (32%)	623 (30%)	1,455 (70%)	185 (16%)	1,016 (84%)	252 (14%)	1,587 (86%)	5,827 (48%)	6,260 (52%)
1979-80	3,077 (72%)	1,220 (28%)	184 (53%)	162 (47%)	91 (5%)	1,489 (95%)	338 (19%)	1,397 (81%)	3,690 (46%)	4,268 (54%)
1980-81	913 (72%)	356 (28%)	99 (33%)	200 (67%)	11 (1%)	925 (99%)	74 (7%)	939 (93%)	1,097 (31%)	2,418 (69%)
1981-82	2,167 (39%)	3,324 (61%)	349 (48%)	373 (52%)	35 (6%)	596 (94%)	285 (19%)	1,251 (81%)	2,835 (34%)	5,544 (66%)
1982-83	3,848 (55%)	3,197 (45%)	319 (78%)	91 (22%)	19 (3%)	656 (97%)	877 (38%)	1,576 (64%)	5,063 (48%)	5,520 (52%)
1983-84	11,547 (77%)	3,436 (23%)	503 (85%)	86 (15%)	99 (25%)	301 (75%)	2,645 (50%)	2,643 (50%)	14,794 (70%)	6,466 (30%)
1984-85	4,481 (69%)	1,986 (31%)	137 (83%)	29 (17%)	30 (7%)	407 (93%)	1,406 (34%)	2,757 (66%)	6,054 (51%)	5,179 (49%)
1985-86	3,796 (94%)	233 (6%)	109 (95%)	6 (5%)	190 (44%)	241 (56%)	1,237 (40%)	1,894 (60%)	5,333 (69%)	2,373 (31%)
1986-87	4,287 (91%)	403 (9%)	73 (98%)	1 (2%)	55 (28%)	139 (72%)	2,659 (60%)	1,771 (40%)	7,074 (75%)	2,314 (25%)
1987-88	7,525 (91%)	747 (9%)	24 (96%)	1 (4%)	61 (64%)	35 (36%)	6,005 (84%)	1,178 (16%)	13,615 (87%)	1,961 (13%)
1988-89	2,810 (94%)	189 (6%)	82 (98%)	1 (2%)	8 (51%)	8 (49%)	736 (61%)	461 (39%)	3,637 (85%)	660 (15%)
1989-90	2,959 (93%)	220 (7%)	5 (13%)	31 (87%)	9 (73%)	3 (27%)	511 (29%)	1,277 (71%)	3,484 (69%)	1,531 (31%)
1990-91	2,306 (92%)	191 (8%)	36 (80%)	9 (20%)	240 (76%)	75 (24%)	924 (34%)	1,820 (66%)	3,506 (63%)	2,095 (37%)



Rail



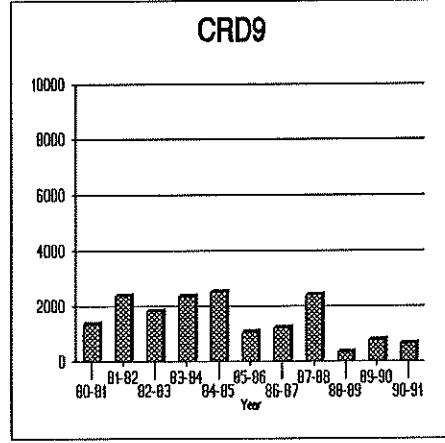
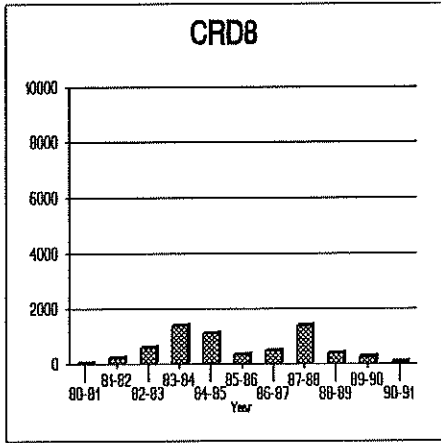
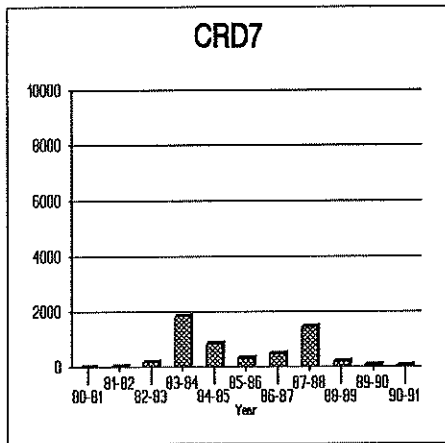
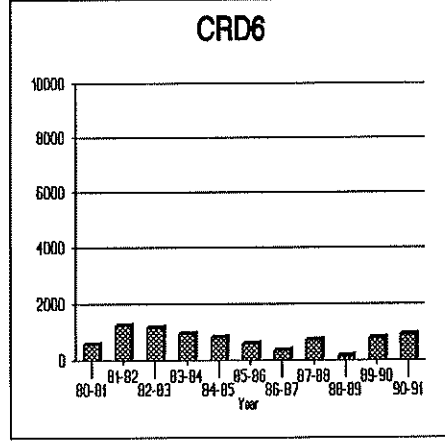
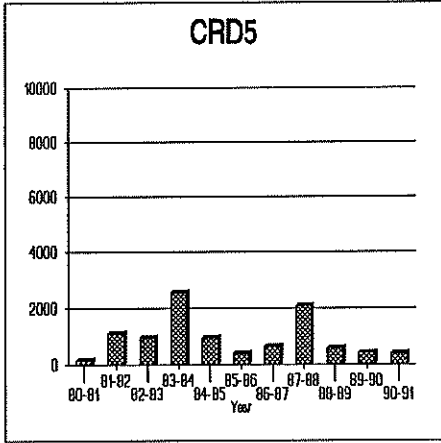
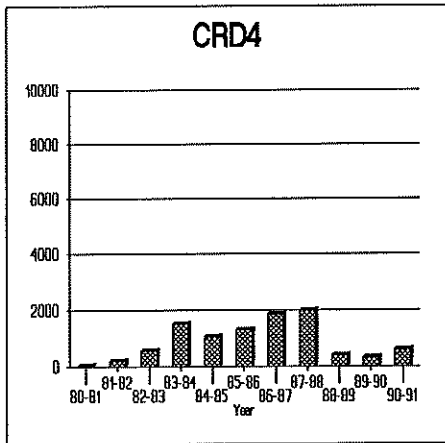
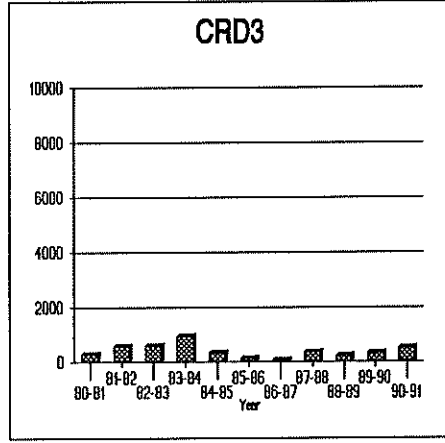
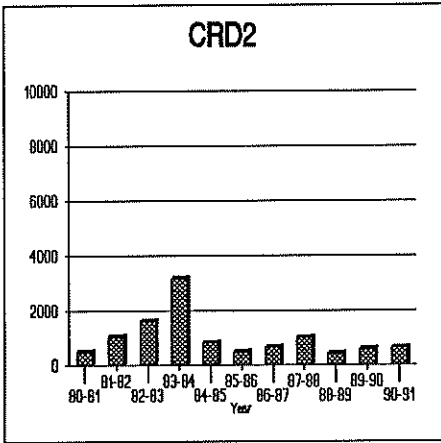
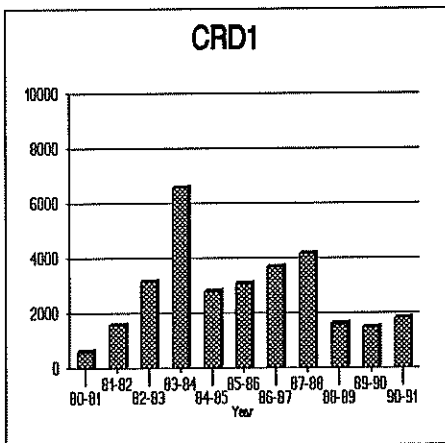
Truck



**NORTH DAKOTA OATS SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	2,309 (17%)	2,081 (15%)	1,904 (20%)	436 (3%)	976 (11%)	1,733 (14%)	225 (2%)	226 (2%)	2,269 (17%)	12,159 (100%)
1977-78	1,769 (17%)	974 (9%)	1,485 (14%)	137 (1%)	507 (5%)	2,077 (20%)	47 (0%)	7 (0%)	3,490 (33%)	10,493 (100%)
1978-79	2,200 (18%)	1,184 (10%)	1,132 (9%)	425 (4%)	1,016 (8%)	1,760 (15%)	68 (1%)	301 (2%)	4,002 (33%)	12,086 (100%)
1979-80	1,305 (16%)	875 (11%)	544 (7%)	282 (4%)	619 (8%)	1,057 (13%)	38 (1%)	159 (2%)	3,079 (39%)	7,958 (100%)
1980-81	590 (17%)	502 (14%)	292 (8%)	42 (1%)	167 (5%)	558 (16%)	4 (0%)	8 (0%)	1,352 (38%)	3,515 (100%)
1981-82	1,556 (20%)	1,070 (13%)	579 (7%)	217 (3%)	1,106 (13%)	1,243 (15%)	19 (0%)	212 (2%)	2,377 (28%)	8,379 (100%)
1982-83	3,130 (30%)	1,614 (15%)	598 (6%)	573 (5%)	946 (9%)	1,176 (11%)	164 (2%)	578 (5%)	1,804 (17%)	10,583 (100%)
1983-84	6,562 (31%)	3,163 (15%)	952 (4%)	1,530 (7%)	2,561 (12%)	934 (4%)	1,834 (9%)	1,368 (6%)	2,356 (11%)	21,261 (100%)
1984-85	2,780 (24%)	828 (7%)	328 (3%)	1,085 (10%)	956 (9%)	824 (7%)	823 (7%)	1,101 (10%)	2,509 (21%)	11,234 (100%)
1985-86	3,078 (40%)	490 (6%)	150 (2%)	1,306 (17%)	404 (5%)	599 (8%)	301 (4%)	312 (4%)	1,065 (14%)	7,705 (100%)
1986-87	3,681 (39%)	656 (7%)	72 (1%)	1,858 (20%)	642 (7%)	354 (4%)	452 (5%)	463 (5%)	1,211 (13%)	9,387 (100%)
1987-88	4,162 (27%)	1,017 (7%)	352 (2%)	2,001 (13%)	2,101 (13%)	729 (5%)	1,443 (9%)	1,365 (9%)	2,398 (15%)	15,568 (100%)
1988-89	1,600 (37%)	424 (10%)	255 (6%)	402 (9%)	587 (14%)	158 (4%)	192 (4%)	363 (8%)	313 (7%)	4,294 (100%)
1989-90	1,453 (29%)	600 (12%)	342 (7%)	330 (7%)	409 (8%)	794 (16%)	75 (1%)	240 (5%)	772 (15%)	5,015 (100%)
1990-91	1,809 (32%)	636 (11%)	515 (9%)	605 (11%)	386 (7%)	911 (16%)	52 (1%)	70 (1%)	617 (11%)	5,601 (100%)

OATS SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)





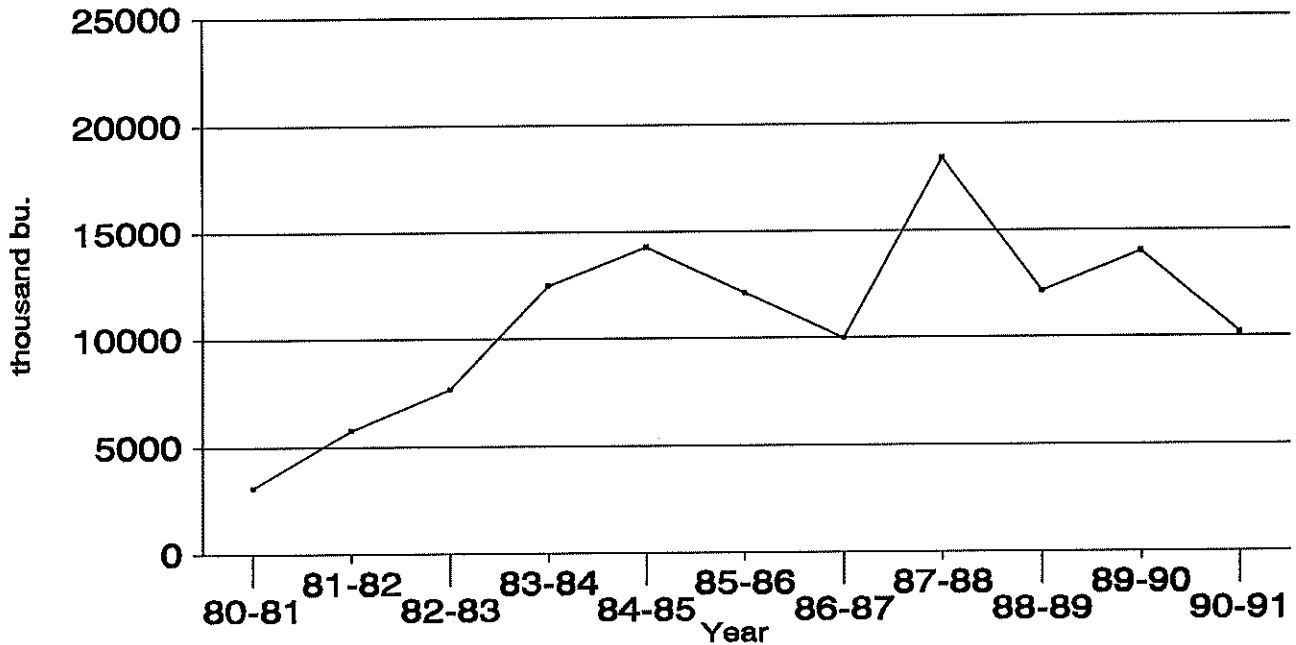
***SOYBEAN
SHIPMENTS***

**NORTH DAKOTA SOYBEAN SHIPMENTS
BY DESTINATION
(thousand bu.)**

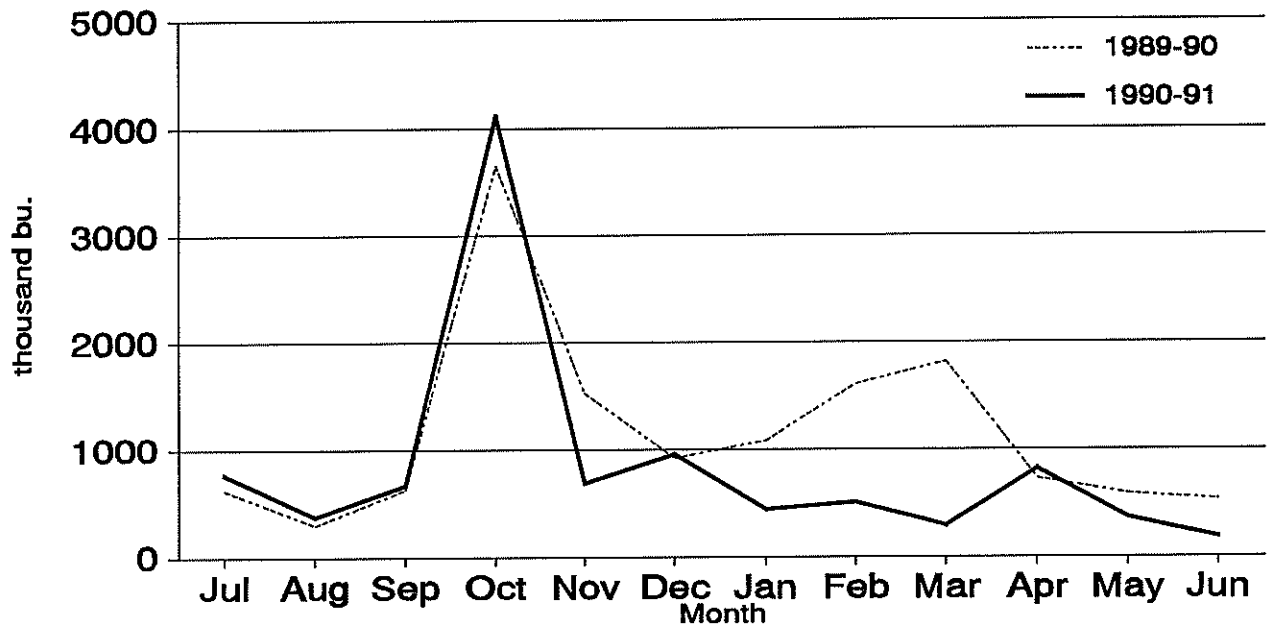
YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
1976-77	389 (20%)	72 (4%)	21 (1%)	1,459 (75%)	1,941 (100%)
1977-78	367 (21%)	311 (18%)	29 (2%)	1,068 (60%)	1,776 (100%)
1978-79	1,020 (35%)	773 (26%)	10 (0%)	1,139 (39%)	2,942 (100%)
1979-80	3,469 (64%)	674 (12%)	20 (0%)	1,289 (24%)	5,452 (100%)
1980-81	1,762 (57%)	337 (11%)	22 (1%)	988 (32%)	3,109 (100%)
1981-82	3,758 (65%)	310 (5%)	317 (5%)	1,416 (24%)	5,801 (100%)
1982-83	5,639 (73%)	185 (2%)	952 (12%)	910 (12%)	7,687 (100%)
1983-84	7,625 (61%)	1,430 (11%)	2,418 (19%)	1,030 (8%)	12,504 (100%)
1984-85	4,361 (31%)	491 (3%)	6,825 (48%)	2,615 (18%)	14,292 (100%)
1985-86	5,739 (47%)	184 (2%)	3,631 (30%)	2,563 (21%)	12,116 (100%)
1986-87	4,933 (49%)	166 (2%)	2,144 (21%)	2,747 (27%)	9,990 (100%)
1987-88	4,666 (25%)	2,800 (15%)	7,797 (42%)	3,150 (17%)	18,413 (100%)
1988-89	2,315 (19%)	2,347 (19%)	5,375 (44%)	2,121 (17%)	12,160 (100%)
1989-90	1,819 (13%)	1,379 (10%)	6,712 (48%)	4,105 (29%)	14,015 (100%)
1990-91	1,802 (18%)	1,268 (12%)	4,001 (39%)	3,114 ^a (31%)	10,185 (100%)

^aMiscellaneous markets include shipments to other Minnesota/Wisconsin destinations (0.3 million bushels or 2%), Midland/Southwest destinations (0.1 million bushels or 1%), and all other markets including North Dakota processors (2.6 million bushels or 26%).

SOYBEAN SHIPMENTS 1980-81 to 1990-91

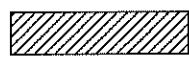
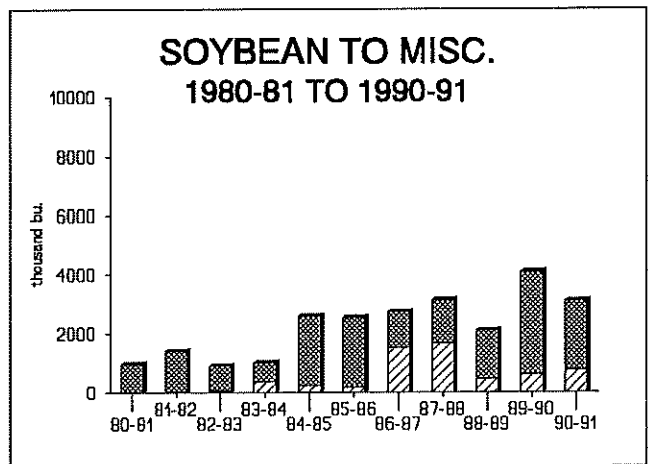
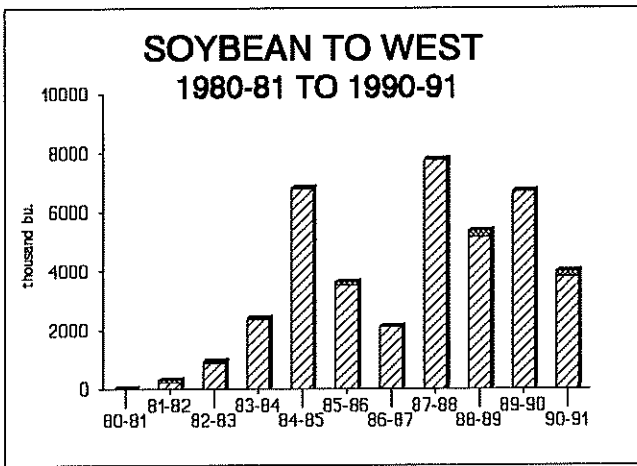
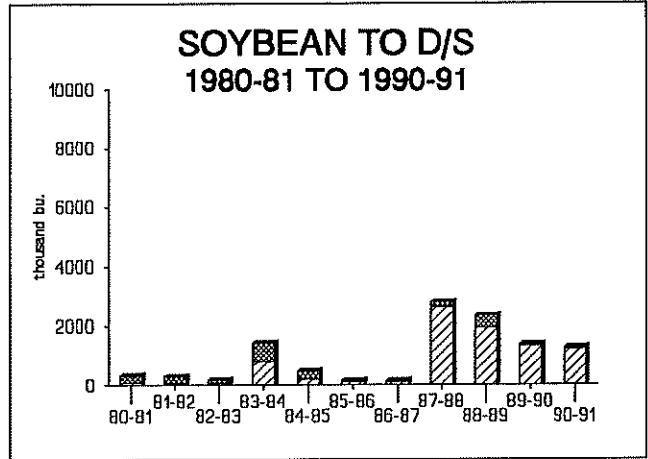
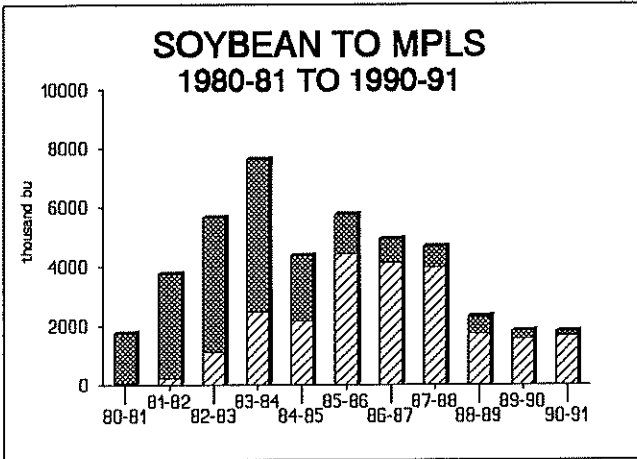


SOYBEAN SHIPMENTS BY MONTH, 1989-90 & 1990-91



**NORTH DAKOTA SOYBEAN SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

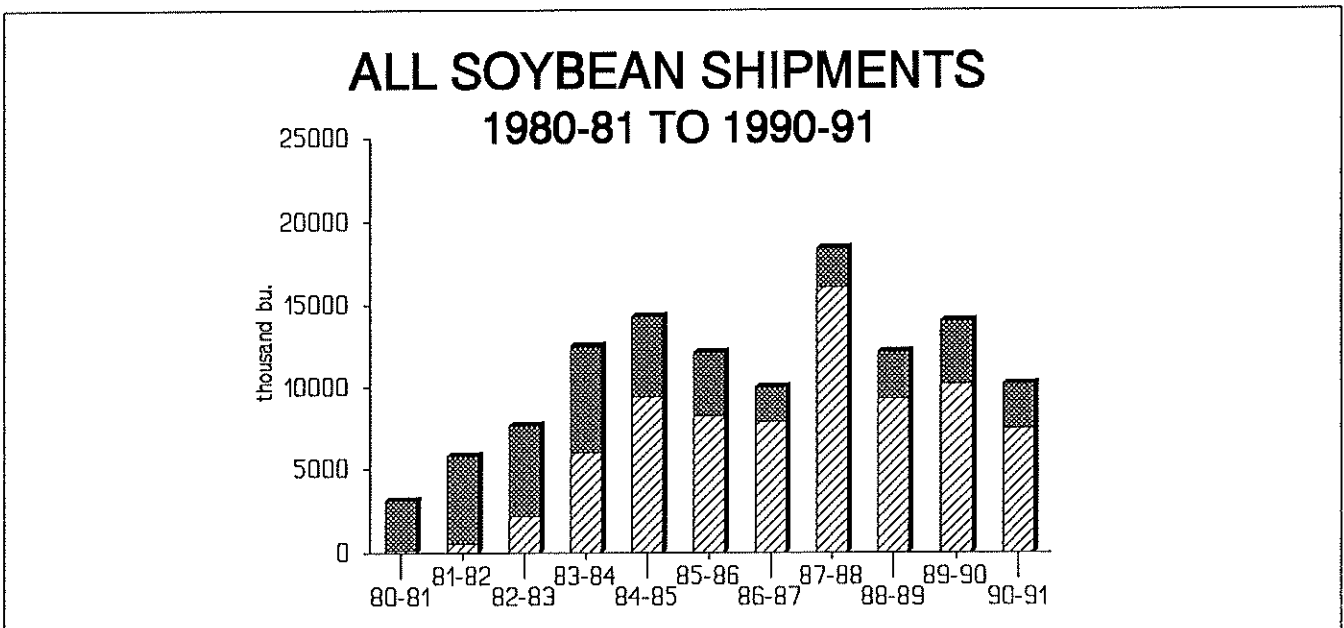
YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	15 (4%)	373 (96%)	59 (83%)	12 (17%)	1 (4%)	20 (96%)	22 (1%)	1,438 (99%)	97 (5%)	1,844 (95%)
1977-78	28 (8%)	339 (92%)	35 (11%)	276 (89%)	3 (12%)	26 (88%)	10 (1%)	1,058 (99%)	77 (4%)	1,699 (96%)
1978-79	90 (9%)	930 (91%)	114 (15%)	659 (85%)	4 (35%)	7 (65%)	26 (2%)	1,113 (98%)	233 (8%)	2,709 (92%)
1979-80	147 (4%)	3,322 (96%)	196 (29%)	478 (71%)	10 (47%)	11 (53%)	5 (1%)	1,285 (99%)	357 (7%)	5,095 (93%)
1980-81	51 (3%)	1,711 (97%)	93 (28%)	244 (72%)	13 (61%)	8 (39%)	4 (1%)	983 (99%)	162 (5%)	2,947 (95%)
1981-82	243 (6%)	3,515 (94%)	38 (12%)	272 (88%)	229 (72%)	88 (28%)	43 (3%)	1,374 (97%)	553 (10%)	5,249 (90%)
1982-83	1,137 (20%)	4,502 (80%)	69 (37%)	117 (63%)	872 (92%)	80 (8%)	79 (9%)	831 (91%)	2,158 (28%)	5,529 (72%)
1983-84	2,482 (33%)	5,143 (67%)	804 (56%)	626 (44%)	2,370 (98%)	48 (2%)	368 (36%)	663 (64%)	6,023 (48%)	6,480 (52%)
1984-85	2,162 (50%)	2,199 (50%)	212 (43%)	279 (57%)	6,788 (99%)	37 (1%)	255 (10%)	2,361 (90%)	9,417 (66%)	4,876 (34%)
1985-86	4,434 (77%)	1,305 (23%)	112 (61%)	72 (39%)	3,532 (97%)	100 (3%)	175 (7%)	2,388 (93%)	8,252 (68%)	3,864 (32%)
1986-87	4,137 (84%)	797 (16%)	123 (74%)	42 (26%)	2,132 (99%)	12 (1%)	1,532 (56%)	1,215 (44%)	7,924 (79%)	2,066 (21%)
1987-88	3,979 (85%)	687 (15%)	2,645 (94%)	155 (6%)	7,778 (100%)	19 (0%)	1,692 (54%)	1,458 (46%)	16,094 (87%)	2,319 (13%)
1988-89	1,732 (75%)	583 (25%)	1,931 (82%)	416 (18%)	5,162 (96%)	213 (4%)	468 (22%)	1,652 (78%)	9,294 (76%)	2,865 (24%)
1989-90	1,565 (86%)	254 (14%)	1,320 (96%)	60 (4%)	6,705 (100%)	7 (0%)	618 (15%)	3,486 (85%)	10,208 (73%)	3,807 (27%)
1990-91	1,683 (93%)	120 (7%)	1,215 (96%)	54 (4%)	3,816 (95%)	185 (5%)	772 (25%)	2,340 (75%)	7,486 (74%)	2,699 (26%)



Rail



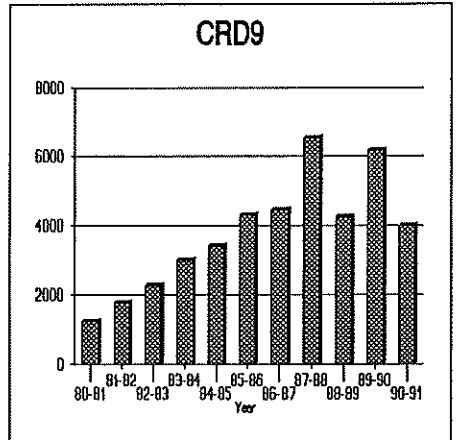
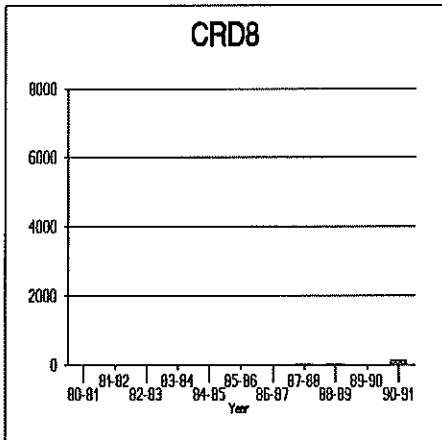
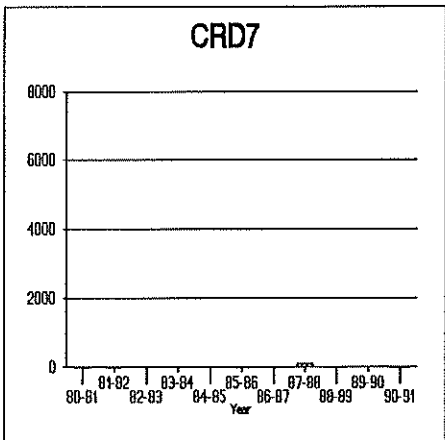
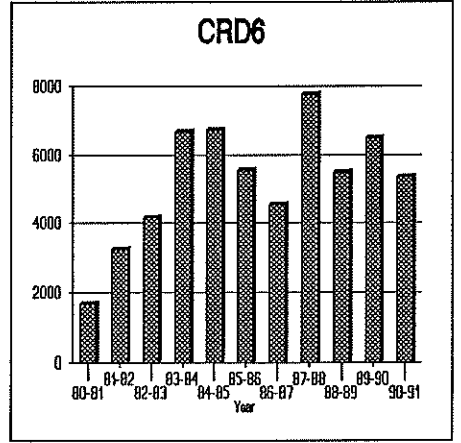
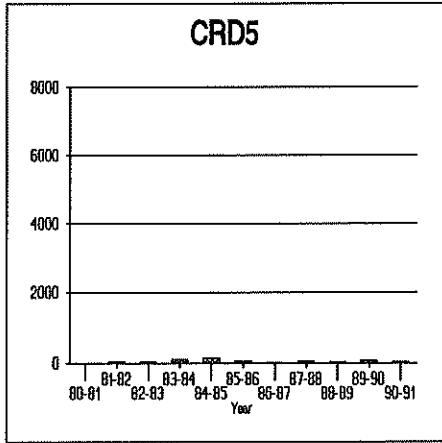
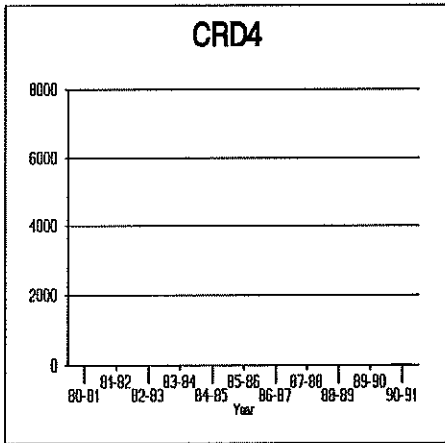
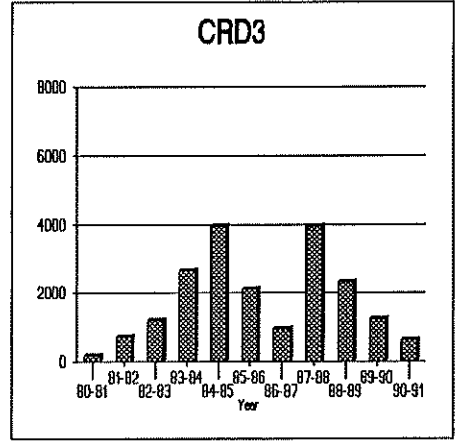
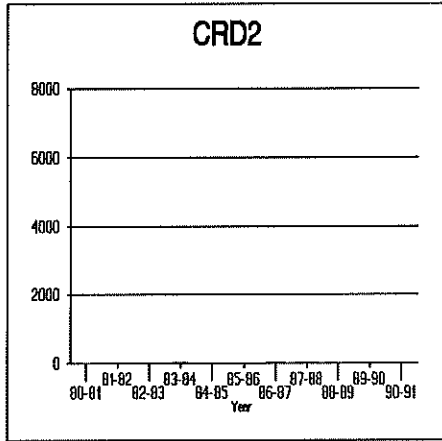
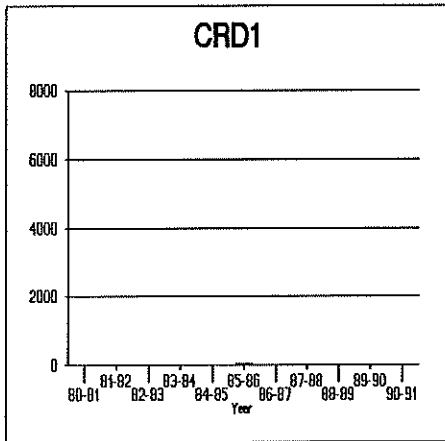
Truck



**NORTH DAKOTA SOYBEAN SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	0 (0%)	0 (0%)	9 (1%)	0 (0%)	1 (0%)	1,093 (56%)	0 (0%)	0 (0%)	838 (43%)	1,941 (100%)
1977-78	0 (0%)	0 (0%)	39 (2%)	4 (0%)	0 (0%)	997 (36%)	0 (0%)	0 (0%)	736 (41%)	1,776 (100%)
1978-79	3 (0%)	0 (0%)	89 (3%)	3 (0%)	94 (3%)	1,608 (55%)	0 (0%)	0 (0%)	1,145 (39%)	2,943 (100%)
1979-80	11 (0%)	0 (0%)	155 (3%)	0 (0%)	8 (0%)	3,845 (71%)	0 (0%)	0 (0%)	1,434 (26%)	5,452 (100%)
1980-81	2 (0%)	0 (0%)	182 (6%)	0 (0%)	1 (0%)	1,678 (54%)	0 (0%)	0 (0%)	1,246 (40%)	3,109 (100%)
1981-82	0 (0%)	2 (0%)	722 (12%)	0 (0%)	37 (1%)	3,250 (56%)	0 (0%)	0 (0%)	1,790 (31%)	5,801 (100%)
1982-83	0 (0%)	3 (0%)	1,206 (16%)	0 (0%)	36 (1%)	4,164 (54%)	2 (0%)	0 (0%)	2,277 (30%)	7,687 (100%)
1983-84	2 (0%)	20 (0%)	2,665 (21%)	2 (0%)	112 (1%)	6,683 (53%)	4 (0%)	0 (0%)	3,016 (24%)	12,504 (100%)
1984-85	2 (0%)	2 (0%)	3,954 (28%)	5 (0%)	145 (1%)	6,736 (47%)	18 (0%)	7 (0%)	3,424 (24%)	14,292 (100%)
1985-86	43 (0%)	4 (0%)	2,114 (17%)	15 (0%)	44 (0%)	5,575 (46%)	0 (0%)	5 (0%)	4,317 (36%)	12,116 (100%)
1986-87	0 (0%)	9 (0%)	958 (10%)	0 (0%)	11 (0%)	4,540 (45%)	0 (0%)	3 (0%)	4,469 (45%)	9,990 (100%)
1987-88	20 (0%)	15 (0%)	3,966 (21%)	1 (0%)	47 (0%)	7,780 (42%)	113 (1%)	18 (0%)	6,555 (35%)	18,414 (100%)
1988-89	7 (0%)	6 (0%)	2,331 (19%)	0 (0%)	35 (0%)	5,502 (45%)	0 (0%)	18 (0%)	4,258 (35%)	12,157 (100%)
1989-90	0 (0%)	14 (0%)	1,251 (9%)	3 (0%)	77 (1%)	6,491 (46%)	4 (0%)	3 (0%)	6,172 (44%)	14,015 (100%)
1990-91	3 (0%)	6 (0%)	622 (6%)	29 (0%)	36 (0%)	5,369 (53%)	0 (0%)	122 (1%)	3,998 (39%)	10,185 (100%)

SOYBEAN SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)





***FLAX
SHIPMENTS***

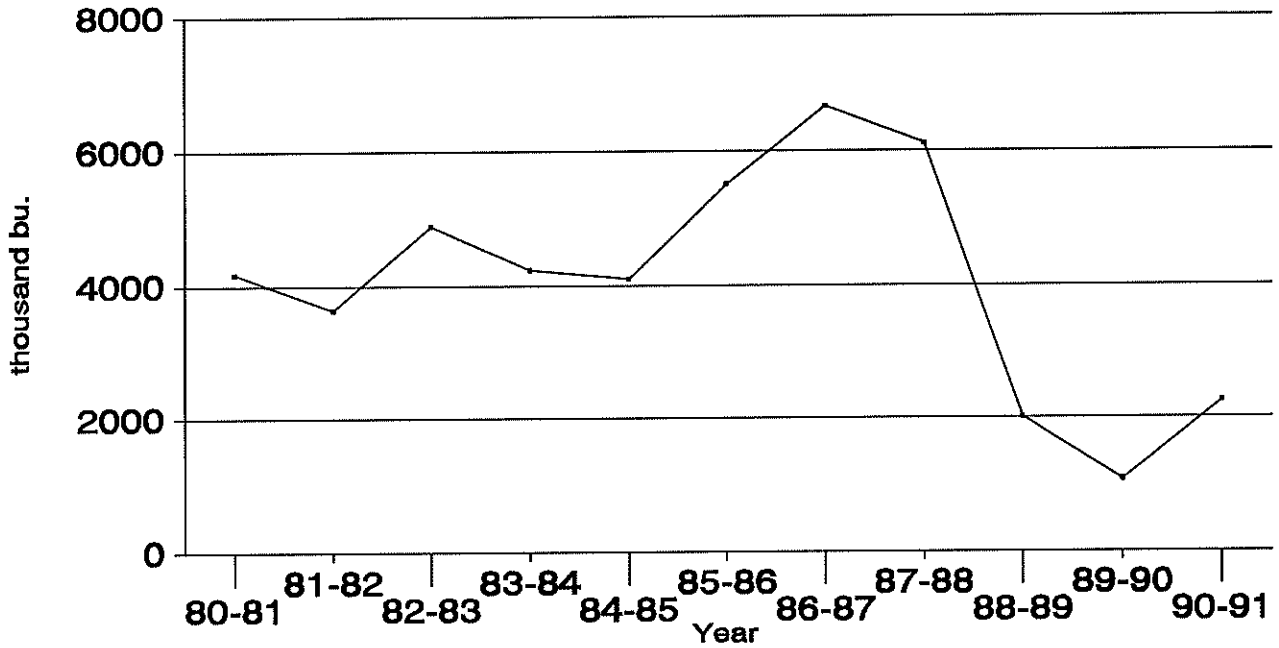
**NORTH DAKOTA FLAXSEED SHIPMENTS
BY DESTINATION
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	OTHER MINNESOTA - WISCONSIN	NORTH DAKOTA	MISC.	TOTAL
1976-77	4,260 (87%)	-	-	-	4,882 (100%)
1977-78	4,941 (80%)	-	-	-	6,174 (100%)
1978-79	4,054 (89%)	-	-	-	4,541 (100%)
1979-80	4,114 (90%)	-	-	-	4,582 (100%)
1980-81	3,874 (93%)	-	-	-	4,176 (100%)
1981-82	3,207 (88%)	-	-	-	3,644 (100%)
1982-83	1,820 (37%)	-	-	-	4,883 (100%)
1983-84	1,598 (38%)	-	-	-	4,235 (100%)
1984-85	1,555 (38%)	-	-	-	4,098 (100%)
1985-86	2,171 (39%)	-	-	^a	5,503 (100%)
1986-87	1,055 (16%)	1,829 (27%)	2,495 (37%)	1,287 (19%)	6,666 (100%)
1987-88	1,202 (20%)	2,007 (33%)	1,758 (29%)	1,143 (19%)	6,110 (100%)
1988-89	214 (11%)	849 (42%)	650 (32%)	299 (15%)	2,013 (100%)
1989-90	209 (19%)	269 (25%)	425 (39%)	174 (16%)	1,077 (100%)
1990-91	422 (19%)	487 (22%)	1,068 (47%)	281 ^b (12%)	2,258 (100%)

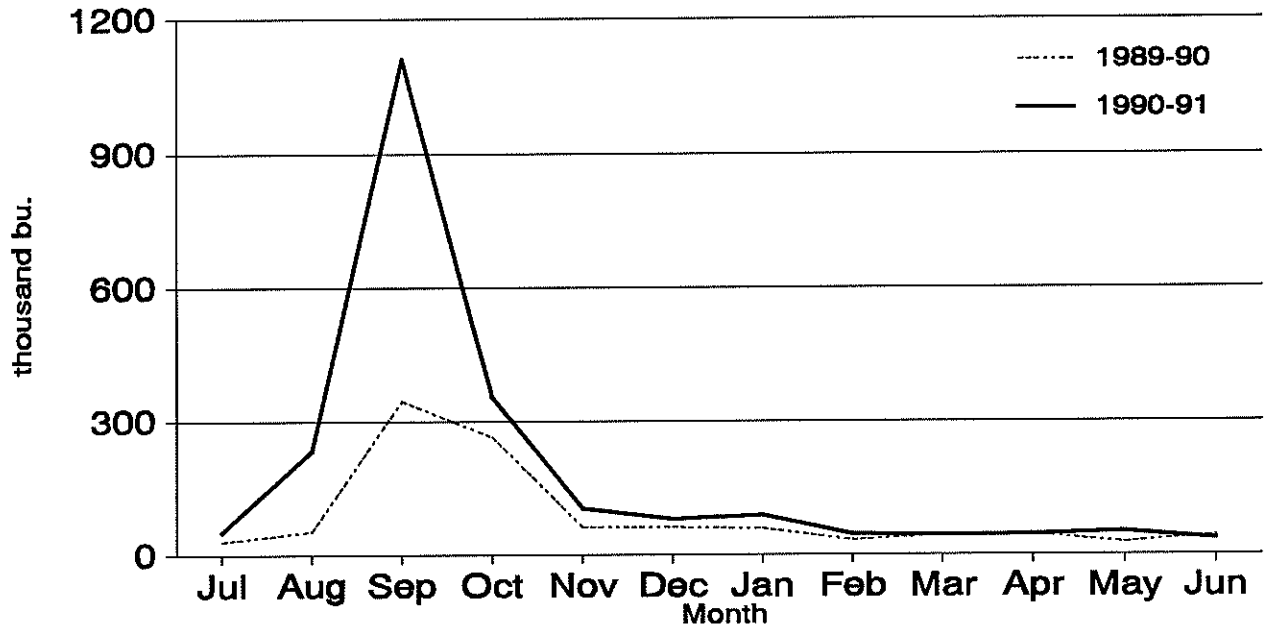
^aNot available prior to 1986-87.

^bMiscellaneous markets include shipments to Duluth Superior destinations (0.006 million bushels or 0%), Midland/Southwest markets (0.069 million bushels or 3%), Pacific Northwest markets (0.007 million bushels or 0%), and all other markets (0.199 million bushels or 9%).

FLAX SHIPMENTS 1980-81 to 1990-91



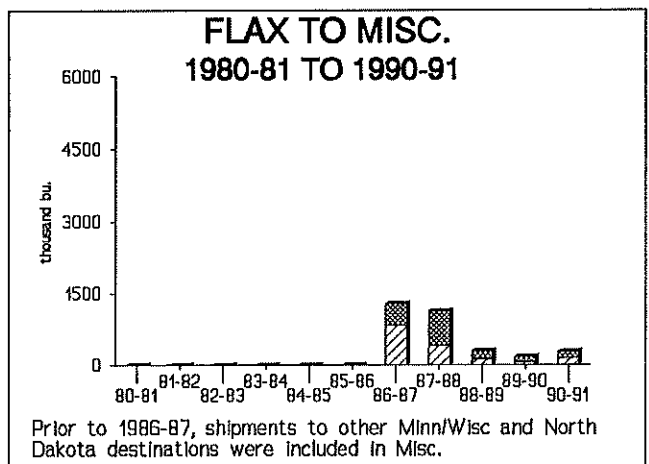
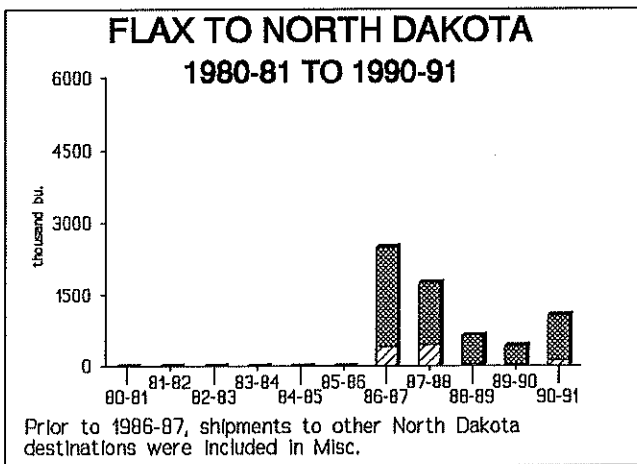
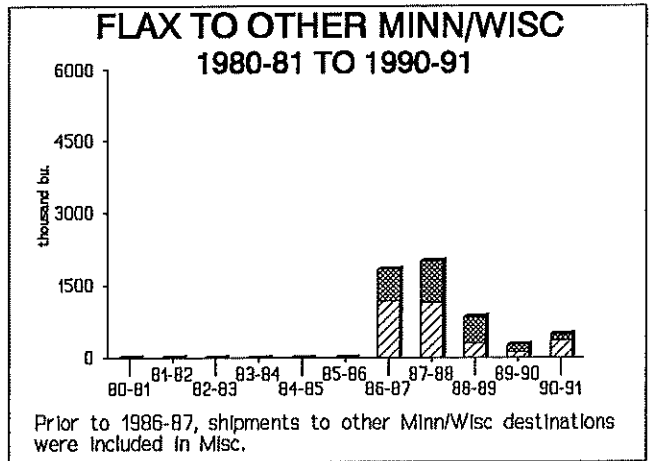
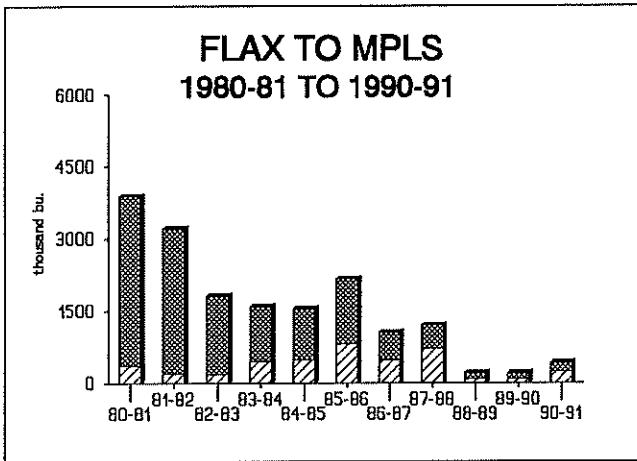
FLAX SHIPMENTS BY MONTH, 1989-90 & 1990-91



**NORTH DAKOTA FLAXSEED SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

YEAR	MINNEAPOLIS- ST. PAUL		OTHER MINNESOTA - WISCONSIN		NORTH DAKOTA		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	1,046 (25%)	3,214 (75%)	-	-	-	-	-	-	1,354 (28%)	3,530 (72%)
1977-78	987 (20%)	3,954 (80%)	-	-	-	-	-	-	1,287 (21%)	4,887 (79%)
1978-79	541 (13%)	3,513 (87%)	-	-	-	-	-	-	593 (15%)	3,948 (85%)
1979-80	555 (13%)	3,558 (87%)	-	-	-	-	-	-	653 (14%)	3,927 (86%)
1980-81	358 (9%)	3,516 (91%)	-	-	-	-	-	-	465 (11%)	3,711 (89%)
1981-82	203 (6%)	3,004 (94%)	-	-	-	-	-	-	228 (6%)	3,415 (94%)
1982-83	184 (10%)	1,635 (90%)	-	-	-	-	-	-	749 (15%)	4,134 (85%)
1983-84	455 (29%)	1,143 (71%)	-	-	-	-	-	-	785 (19%)	3,451 (81%)
1984-85	480 (31%)	1,075 (69%)	-	-	-	-	-	-	996 (24%)	3,103 (76%)
1985-86	813 (37%)	1,358 (63%)	-	-	-	-	-	^a	1,768 (32%)	3,736 (68%)
1986-87	478 (45%)	577 (55%)	1,175 (64%)	654 (36%)	413 (17%)	2,082 (83%)	830 (64%)	457 (36%)	2,896 (43%)	3,770 (57%)
1987-88	721 (60%)	481 (40%)	1,152 (57%)	855 (43%)	445 (25%)	1,313 (75%)	404 (35%)	737 (65%)	2,722 (45%)	3,386 (55%)
1988-89	101 (47%)	112 (53%)	288 (34%)	561 (66%)	44 (7%)	606 (93%)	125 (42%)	174 (58%)	559 (28%)	1,454 (72%)
1989-90	92 (44%)	116 (56%)	125 (46%)	144 (54%)	25 (6%)	400 (94%)	61 (35%)	113 (65%)	304 (28%)	773 (72%)
1990- 91	238 (56%)	184 (44%)	358 (74%)	129 (26%)	117 (11%)	951 (89%)	145 (52%)	136 (48%)	858 (38%)	1,400 (62%)

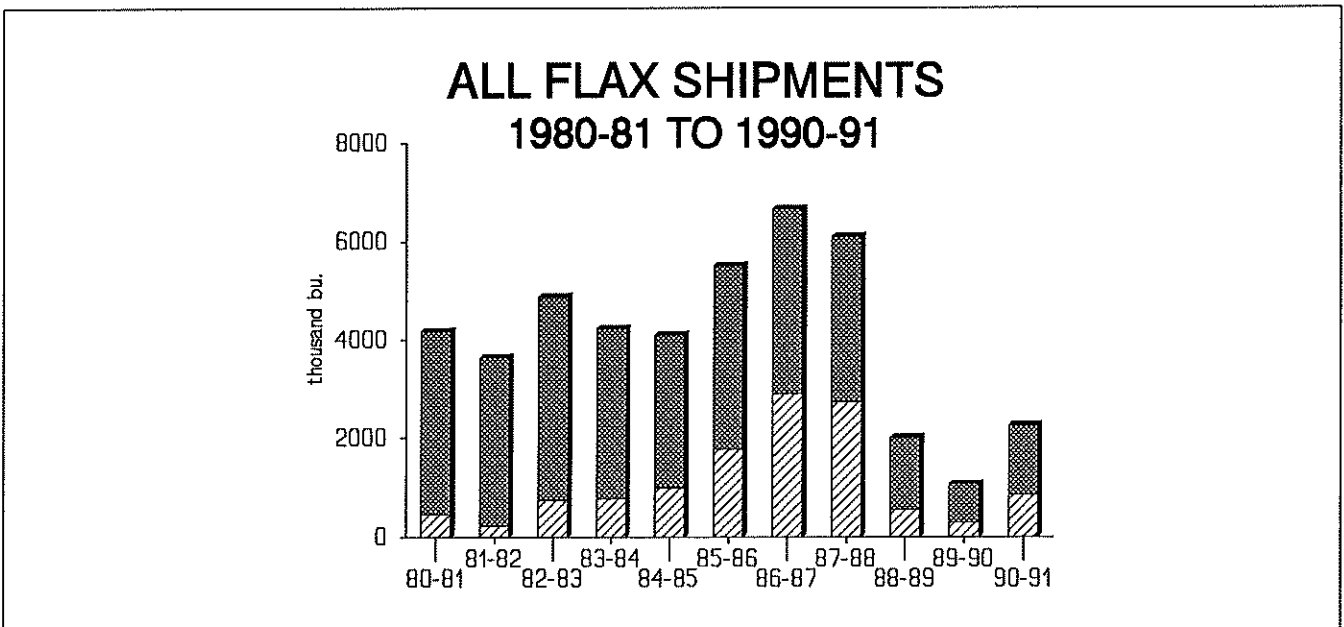
^aPrior to 1986-87 crop year, Other Minn./Wisconsin and North Dakota destinations were included in "Miscellaneous" Markets. Miscellaneous markets now includes shipments to Duluth-Superior and Pacific Northwest destinations.



Rail



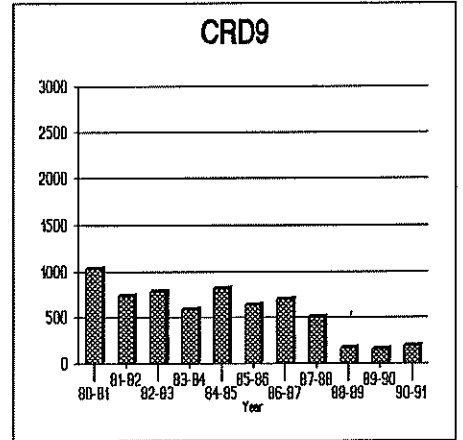
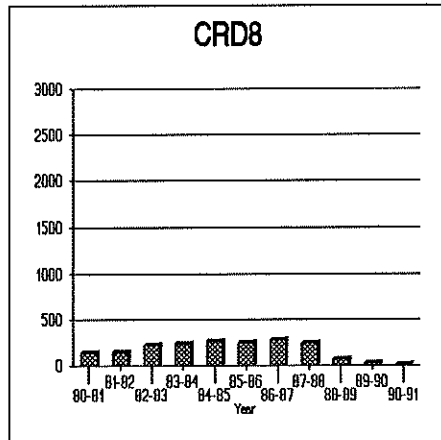
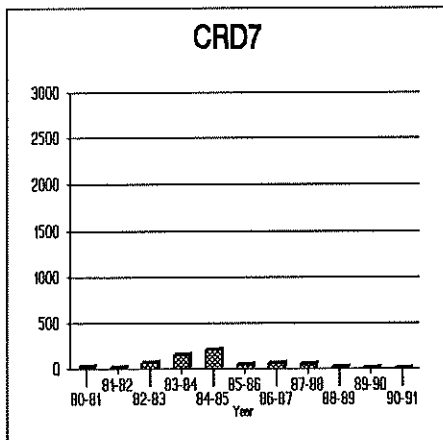
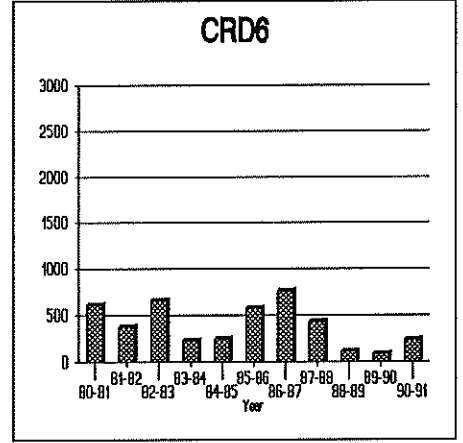
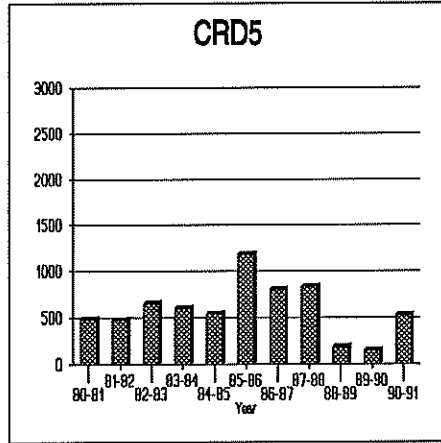
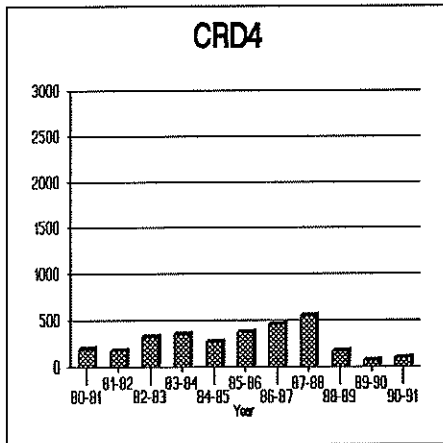
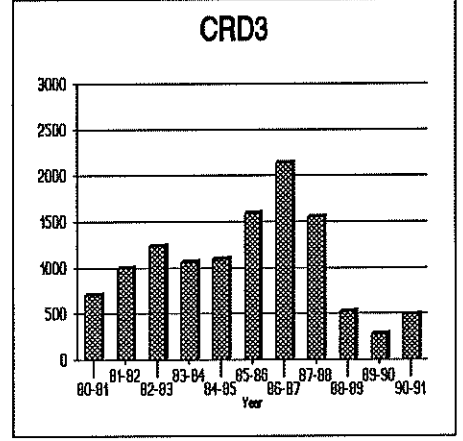
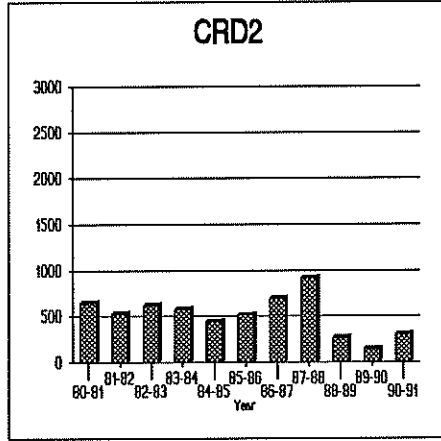
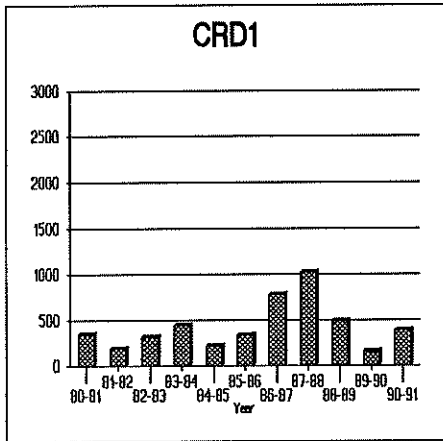
Truck



**NORTH DAKOTA FLAXSEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	450 (9%)	794 (16%)	656 (13%)	307 (6%)	829 (17%)	491 (10%)	98 (2%)	323 (7%)	935 (19%)	4,883 (100%)
1977-78	678 (11%)	1,022 (17%)	1,054 (17%)	203 (3%)	679 (11%)	1,024 (17%)	74 (1%)	145 (2%)	1,295 (21%)	6,174 (100%)
1978-79	515 (11%)	765 (17%)	547 (12%)	254 (6%)	474 (10%)	533 (12%)	57 (1%)	295 (6%)	1,102 (24%)	4,542 (100%)
1979-80	398 (9%)	752 (16%)	682 (15%)	207 (5%)	438 (10%)	641 (14%)	59 (1%)	203 (4%)	1,202 (26%)	4,582 (100%)
1980-81	348 (8%)	648 (16%)	707 (17%)	194 (4%)	481 (12%)	609 (15%)	22 (1%)	138 (3%)	1,029 (25%)	4,176 (100%)
1981-82	195 (5%)	530 (15%)	996 (27%)	178 (5%)	475 (13%)	377 (10%)	14 (0%)	147 (4%)	731 (20%)	3,644 (100%)
1982-83	319 (7%)	617 (13%)	1,235 (25%)	323 (7%)	654 (13%)	655 (13%)	67 (1%)	223 (5%)	780 (16%)	4,873 (100%)
1983-84	441 (10%)	579 (14%)	1,062 (25%)	349 (8%)	602 (14%)	227 (5%)	149 (4%)	239 (6%)	587 (14%)	4,235 (100%)
1984-85	217 (5%)	443 (11%)	1,097 (27%)	266 (6%)	541 (13%)	249 (6%)	204 (5%)	265 (6%)	816 (20%)	4,098 (100%)
1985-86	336 (6%)	518 (9%)	1,587 (29%)	373 (7%)	1,188 (22%)	573 (10%)	45 (1%)	247 (4%)	635 (12%)	5,503 (100%)
1986-87	780 (12%)	697 (10%)	2,132 (32%)	454 (7%)	803 (12%)	759 (11%)	62 (1%)	280 (4%)	697 (11%)	6,666 (100%)
1987-88	1,026 (17%)	918 (15%)	1,548 (25%)	545 (9%)	835 (14%)	436 (7%)	54 (1%)	244 (4%)	503 (8%)	6,109 (100%)
1988-89	494 (25%)	268 (13%)	525 (26%)	169 (8%)	187 (9%)	112 (6%)	19 (1%)	67 (3%)	168 (8%)	2,009 (100%)
1989-90	161 (15%)	145 (13%)	276 (26%)	72 (7%)	146 (13%)	84 (8%)	9 (1%)	30 (3%)	154 (14%)	1,077 (100%)
1990-91	388 (17%)	308 (14%)	490 (22%)	102 (5%)	523 (23%)	241 (11%)	4 (0%)	16 (1%)	186 (8%)	2,258 (100%)

FLAX SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



CORN SHIPMENTS

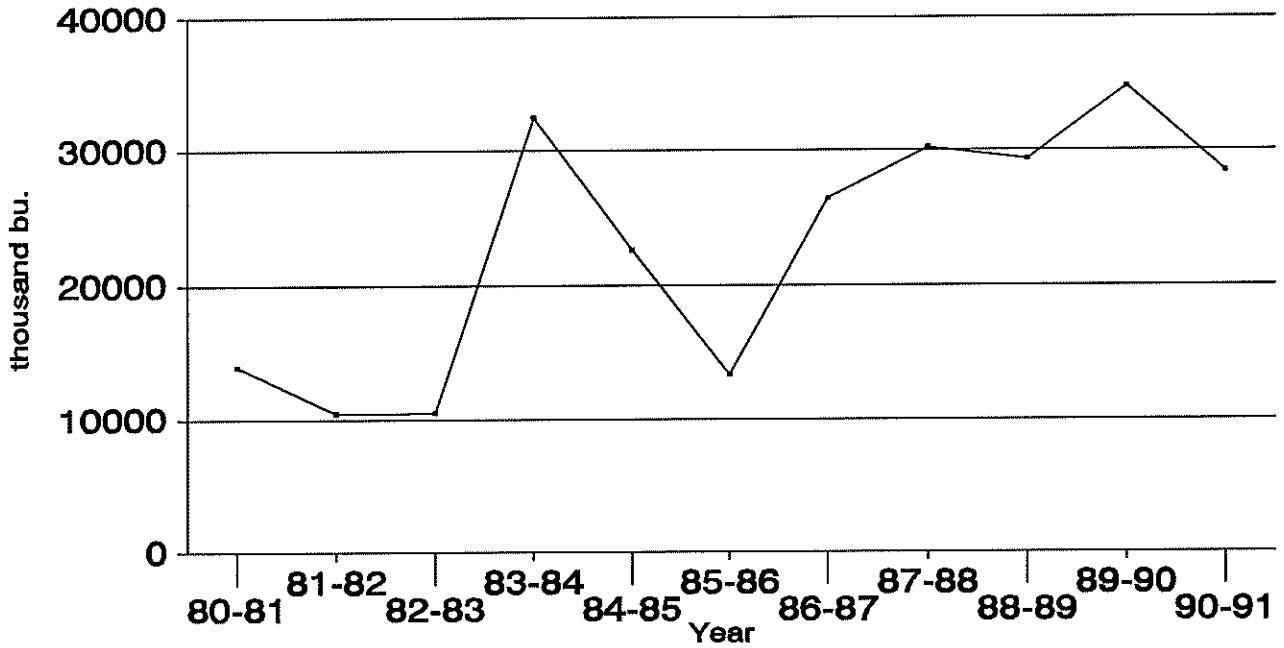
**NORTH DAKOTA CORN SHIPMENTS
BY DESTINATION
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
1978-79	157 (2%)	262 (3%)	6,373 (82%)	1,019 (13%)	7,808 (100%)
1979-80	265 (2%)	270 (2%)	9,802 (88%)	786 (7%)	11,123 (100%)
1980-81	406 (3%)	154 (1%)	11,409 (82%)	2,013 (14%)	13,982 (100%)
1981-82	514 (5%)	243 (2%)	7,247 (69%)	2,457 (23%)	10,460 (100%)
1982-83	296 (3%)	350 (3%)	5,474 (52%)	4,397 (42%)	10,518 (100%)
1983-84	2,735 (8%)	4,175 (13%)	20,323 (63%)	5,229 (16%)	32,463 (100%)
1984-85	1,189 (5%)	2,859 (13%)	13,659 (60%)	4,916 (22%)	22,623 (100%)
1985-86	1,254 (9%)	68 (1%)	6,488 (48%)	5,584 (42%)	13,394 (100%)
1986-87	359 (1%)	59 (0%)	18,952 (72%)	7,067 (27%)	26,437 (100%)
1987-88	312 (1%)	55 (0%)	23,742 (79%)	6,080 (20%)	30,189 (100%)
1988-89	603 (2%)	1,741 (6%)	21,861 (74%)	5,138 (18%)	29,344 (100%)
1989-90	900 (3%)	358 (1%)	26,133 (75%)	7,374 (21%)	34,764 (100%)
1990-91	944 (3%)	710 (2%)	19,590 (69%)	7,190 ^a (25%)	28,434 (100%)

^a Miscellaneous markets include shipments to North Dakota destinations (3.9 million bushels or 14%), Midland/Southwest destinations (0.7 million bushels or 3%), and all other markets (2.5 million bushels or 9%).

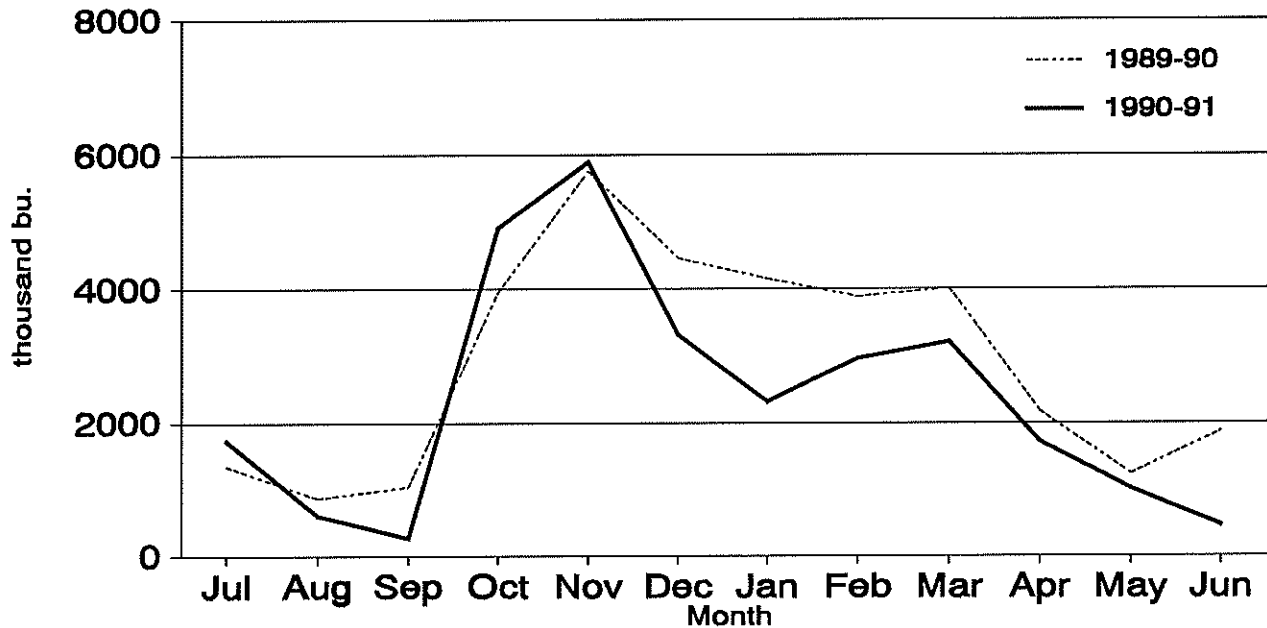
CORN SHIPMENTS

1980-81 to 1990-91



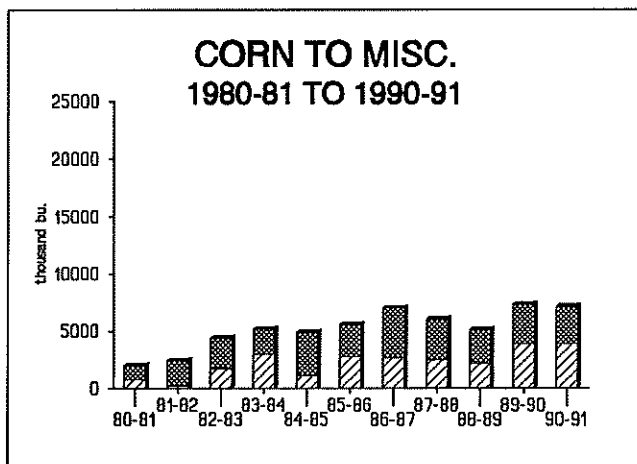
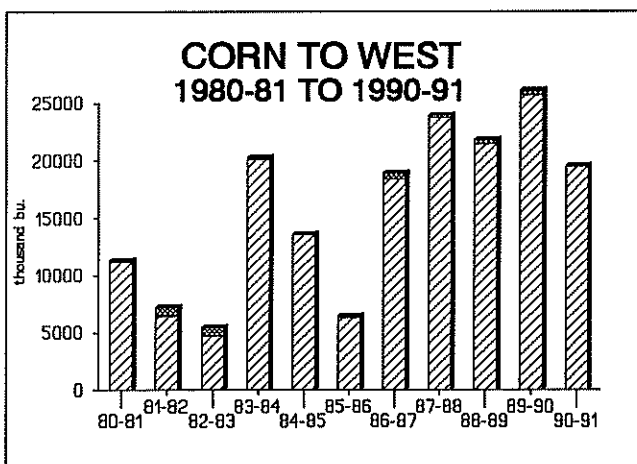
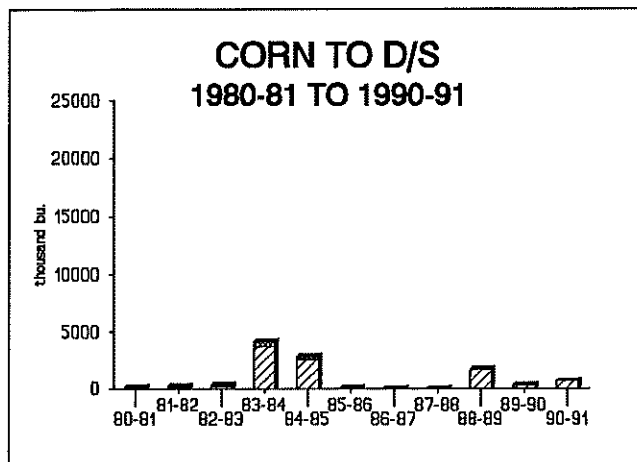
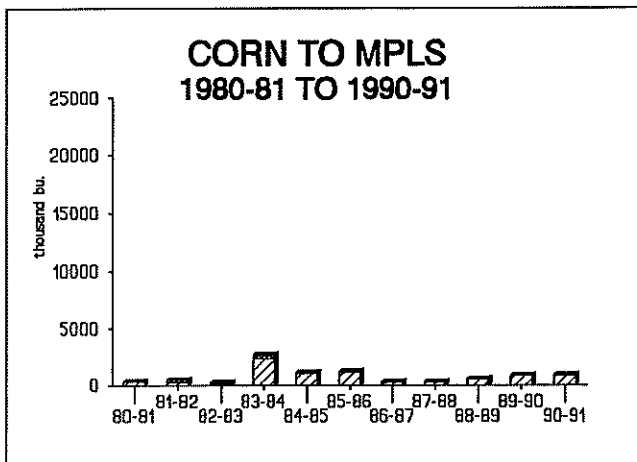
CORN SHIPMENTS

BY MONTH, 1989-90 & 1990-91



**NORTH DAKOTA CORN SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

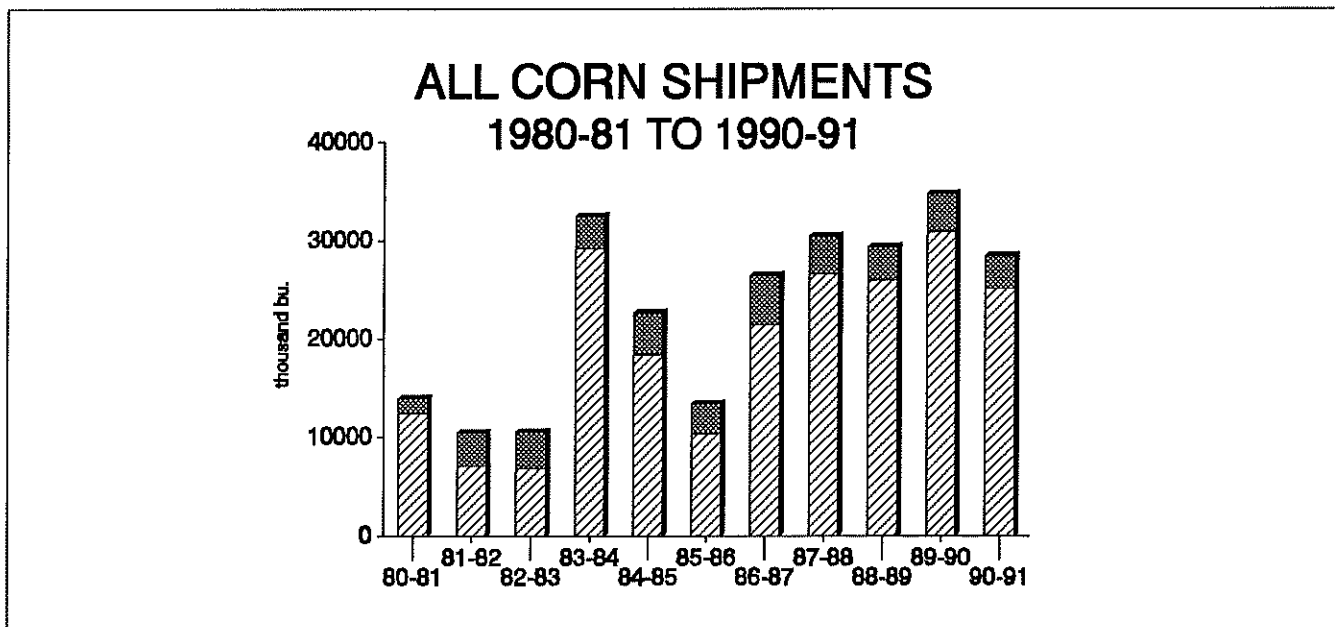
YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1977-78	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
1978-79	132 (84%)	25 (16%)	117 (45%)	142 (55%)	6,233 (98%)	140 (2%)	785 (77%)	234 (23%)	7,267 (93%)	541 (7%)
1979-80	221 (83%)	44 (17%)	150 (56%)	120 (44%)	9,752 (99%)	50 (1%)	525 (71%)	261 (29%)	10,648 (96%)	475 (4%)
1980-81	322 (79%)	84 (21%)	100 (53%)	54 (47%)	11,220 (98%)	189 (2%)	815 (40%)	1,198 (60%)	12,417 (89%)	1,525 (11%)
1981-82	278 (54%)	236 (46%)	74 (31%)	169 (69%)	6,465 (89%)	782 (11%)	256 (10%)	2,201 (90%)	7,072 (68%)	3,388 (32%)
1982-83	155 (52%)	141 (48%)	196 (56%)	154 (44%)	4,748 (87%)	726 (13%)	1,731 (39%)	2,666 (61%)	6,831 (65%)	3,687 (35%)
1983-84	2,332 (85%)	404 (15%)	3,737 (90%)	438 (10%)	20,133 (99%)	190 (1%)	3,034 (58%)	2,195 (42%)	29,236 (90%)	3,228 (10%)
1984-85	1,057 (89%)	132 (11%)	2,579 (90%)	280 (10%)	13,623 (100%)	36 (0%)	1,156 (24%)	3,759 (76%)	18,415 (81%)	4,207 (19%)
1985-86	1,185 (95%)	69 (5%)	43 (64%)	24 (36%)	6,305 (97%)	183 (3%)	2,815 (50%)	2,769 (50%)	10,348 (77%)	3,046 (23%)
1986-87	287 (80%)	71 (20%)	56 (95%)	3 (5%)	18,407 (97%)	544 (3%)	2,703 (38%)	4,364 (62%)	21,454 (81%)	4,982 (19%)
1987-88	291 (93%)	21 (7%)	14 (25%)	41 (75%)	23,742 (99%)	236 (1%)	2,524 (42%)	3,556 (58%)	26,571 (87%)	3,854 (13%)
1988-89	570 (95%)	32 (5%)	1,727 (99%)	13 (1%)	21,498 (98%)	362 (2%)	2,175 (42%)	2,962 (58%)	25,972 (89%)	3,371 (11%)
1989-90	876 (97%)	24 (3%)	357 (100%)	1 (0%)	25,720 (98%)	412 (2%)	3,914 (53%)	3,460 (47%)	30,867 (89%)	3,897 (11%)
1990-91	915 (97%)	28 (3%)	708 (100%)	2 (0%)	19,555 (100%)	35 (0%)	3,913 (54%)	3,278 (46%)	25,091 (88%)	3,343 (12%)



Rail



Truck



**NORTH DAKOTA CORN SHIPMENTS
BY CROP REPORTING DISTRICT
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
1977-78	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
1978-79	0 (0%)	0 (0%)	424 (5%)	0 (0%)	64 (1%)	1,388 (18%)	0 (0%)	3 (0%)	5,929 (76%)	7,808 (100%)
1979-80	0 (0%)	0 (0%)	384 (3%)	0 (0%)	53 (0%)	2,527 (23%)	0 (0%)	0 (0%)	8,159 (73%)	11,123 (100%)
1980-81	2 (0%)	0 (0%)	382 (3%)	0 (0%)	88 (1%)	2,329 (17%)	0 (0%)	0 (0%)	11,141 (80%)	13,942 (100%)
1981-82	0 (0%)	0 (0%)	769 (7%)	3 (0%)	35 (0%)	1,982 (19%)	0 (0%)	0 (0%)	7,671 (73%)	10,460 (100%)
1982-83	121 (1%)	6 (0%)	791 (8%)	33 (0%)	137 (1%)	3,132 (30%)	5 (0%)	0 (0%)	6,293 (60%)	10,518 (100%)
1983-84	12 (0%)	139 (0%)	1,997 (6%)	242 (1%)	1,159 (4%)	9,477 (29%)	249 (1%)	224 (1%)	18,963 (58%)	32,463 (100%)
1984-85	0 (0%)	20 (0%)	1,109 (5%)	49 (0%)	600 (3%)	6,800 (30%)	496 (2%)	304 (1%)	13,246 (59%)	22,623 (100%)
1985-86	1 (0%)	9 (0%)	334 (2%)	12 (0%)	162 (1%)	3,181 (24%)	12 (0%)	11 (0%)	9,671 (72%)	13,394 (100%)
1986-87	0 (0%)	129 (0%)	1,394 (5%)	95 (0%)	383 (1%)	9,360 (35%)	54 (0%)	12 (0%)	15,008 (57%)	26,437 (100%)
1987-88	14 (0%)	26 (0%)	1,591 (5%)	127 (0%)	582 (2%)	8,516 (28%)	9 (0%)	116 (0%)	19,445 (64%)	30,426 (100%)
1988-89	12 (0%)	0 (0%)	648 (2%)	40 (0%)	173 (1%)	6,926 (23%)	0 (0%)	0 (0%)	21,542 (73%)	29,341 (100%)
1989-90	7 (0%)	0 (0%)	797 (2%)	7 (0%)	153 (1%)	7,784 (22%)	1 (0%)	0 (0%)	26,015 (75%)	34,764 (100%)
1990-91	0 (0%)	144 (1%)	479 (2%)	142 (0%)	78 (0%)	6,812 (24%)	0 (0%)	871 (3%)	19,908 (70%)	28,434 (100%)

CORN SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)

