

**NORTH DAKOTA GRAIN AND OILSEED
TRANSPORTATION STATISTICS
1988-89**

by

**Barry M. Olsen
and
Daniel L. Zink**

**UGPTI Publication No. 81
DECEMBER 1989**

UPPER GREAT PLAINS TRANSPORTATION INSTITUTE
NORTH DAKOTA STATE UNIVERSITY
FARGO, NORTH DAKOTA

NORTH DAKOTA GRAIN AND OILSEED
TRANSPORTATION STATISTICS
1988-89

UGPTI PUBLICATION NO. 81
DECEMBER 1989

Barry M. Olsen
Student Research Assistant

and

Daniel L. Zink
Transportation Economist

in cooperation with

NORTH DAKOTA WHEAT COMMISSION
BISMARCK, NORTH DAKOTA

and

NORTH DAKOTA PUBLIC SERVICE COMMISSION
BISMARCK, NORTH DAKOTA

PREFACE

The 1988-89 North Dakota Grain and Oilseed Transportation Statistics Report was prepared by Barry M. Olsen, Student Research Assistant, and Daniel L. Zink, Transportation Economist, Upper Great Plains Transportation Institute.

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 Report 14, Department of Agricultural Economics, North Dakota State University. Subsequent years' data were analyzed 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 small portion of sample of country elevators.

North Dakota State Wheat Commission

Willard Peterson, Chairman
Sharold Geist, Vice Chairman
Ed Volk, Knox
Elmer Dockter, Streeter

George Howe, Casselton
Henry Neshem, Berthold
Cecil Watson, Cavalier

Melvin G. Maier, Administrator
Neal Fisher, Deputy Administrator
Mike Jones, Marketing Specialist
Margie L. Martin, Product Promotion Specialist

North Dakota Public Service Commission

Commissioners: Dale V. Sandstrom, President
Bruce Hagen
Leo M. Reinbold

Transportation Division: Robert Senger, Director

Grain Elevator Division: Jon H. Mielke, Director

TABLE OF CONTENTS

	<u>Page</u>
PREFACE	i
North Dakota State Wheat Commission	i
North Dakota Public Service Commission	i
NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS	iii
Objective of Report	iii
Scope of Report	iii
Source of Data	iii
Organization of the Remainder of the Report	iv
TOTAL GRAIN AND OILSEED SHIPMENTS	1
HARD RED SPRING WHEAT	12
DURUM	19
BARLEY	27
SUNFLOWER	34
OATS	41
SOYBEANS	48
FLAX	55
CORN	62

NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS 1988-89

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 were tabulated according to major characteristics which typically describe commodity flows. The major shipment characteristics considered were: destination, mode, origin, time, and commodity. These characteristics were 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.

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 1988 to June 1989, 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 1988 through June 1989 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 reports of this nature. 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.

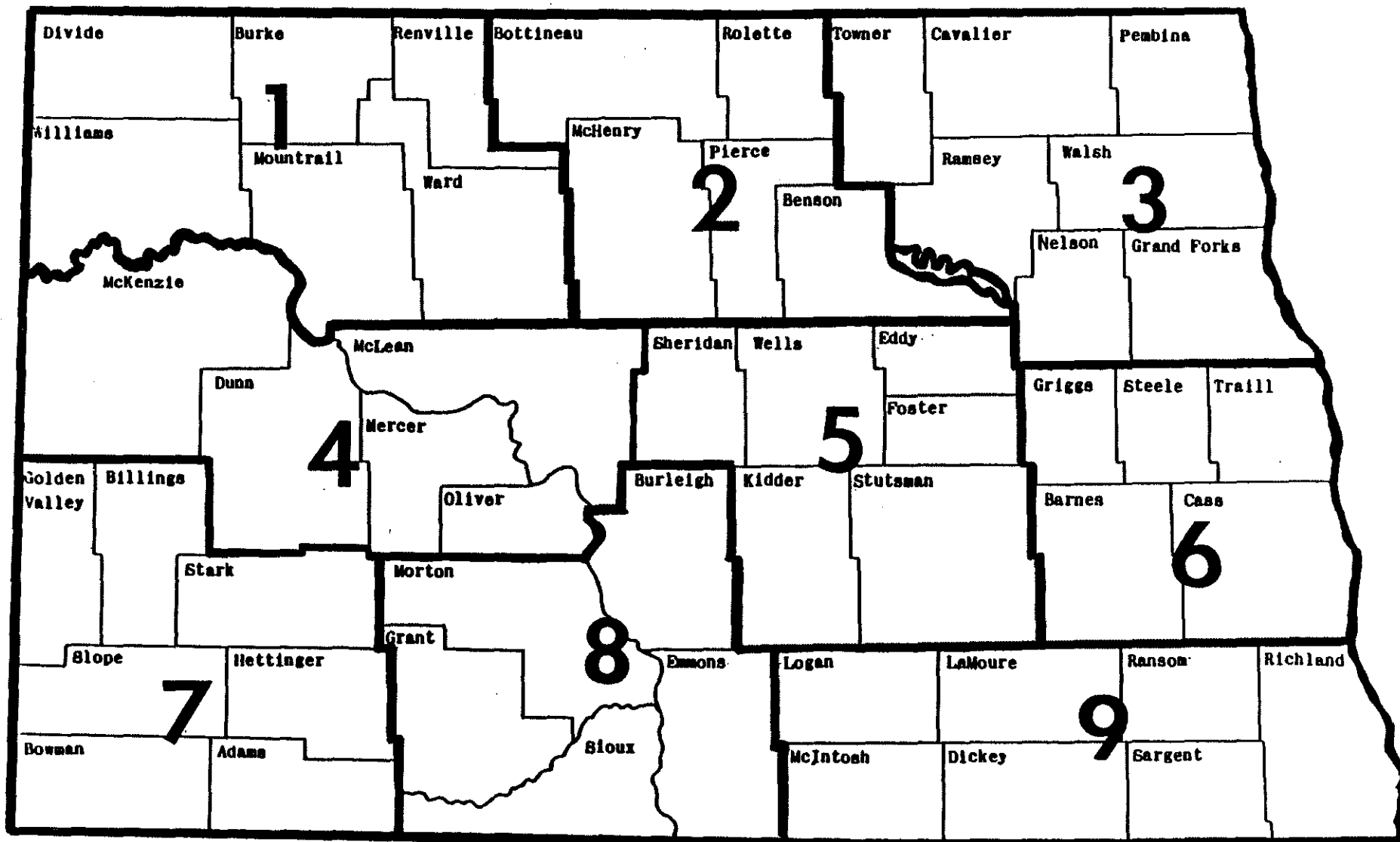


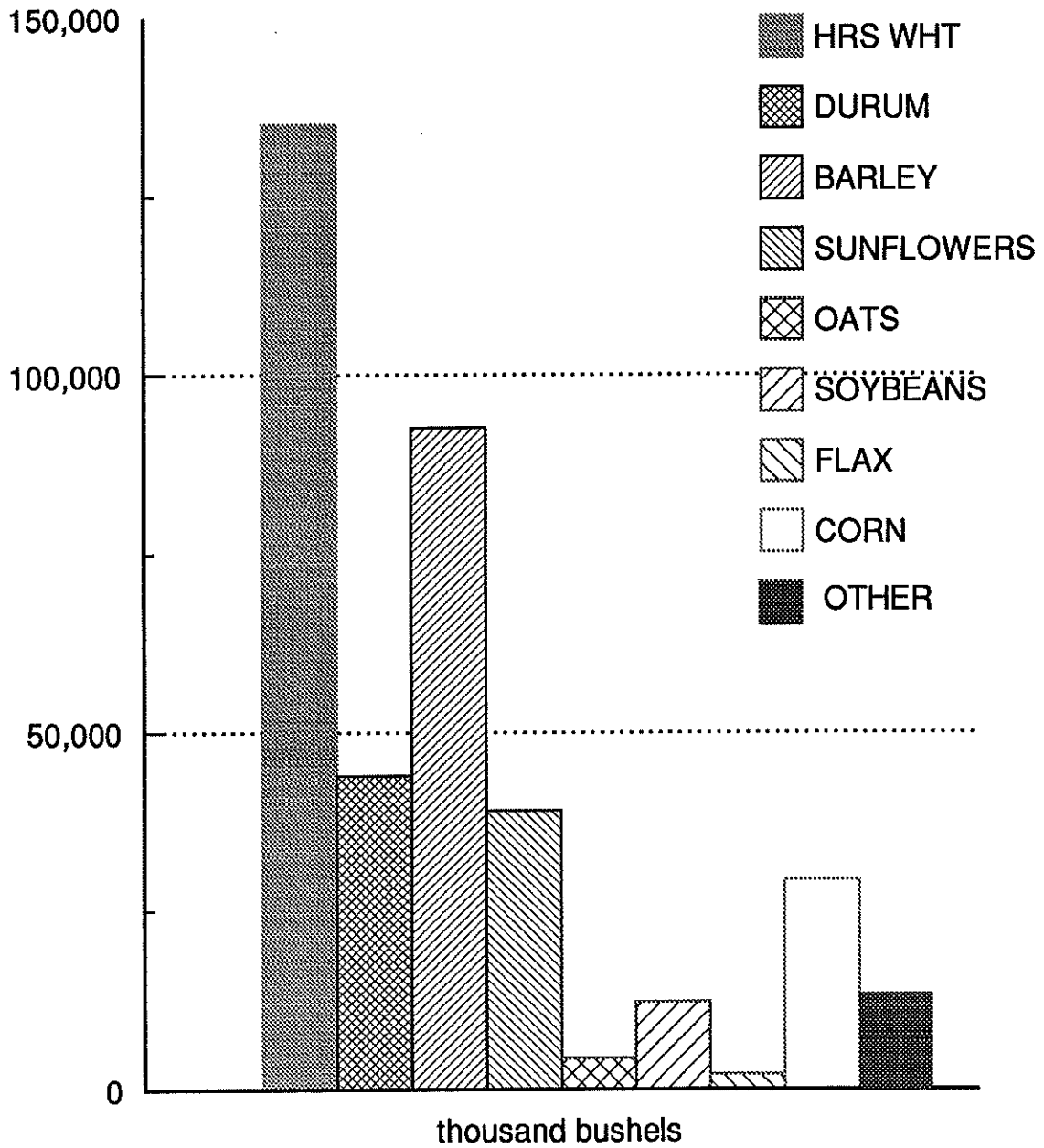
Figure 1. North Dakota Crop Reporting Districts and Counties.

**TOTAL
GRAIN AND OILSEED
SHIPMENTS**

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
1976-77 to 1988-89

YEAR	HARD RED SPRING	DURUM	BARLEY	SUNFLOWERS	OATS	SOYBEANS	FLAXSEED	MISC.	CORN	TOTAL
	(thousand bu.)									
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 (17%)	79,801 (17%)	111,496 (24%)	8,379 (2%)	5,801 (1%)	3,644 (0.8%)	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 (17%)	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 (24%)	39,056 (10%)	4,297 (1%)	12,160 (3%)	2,013 (1%)	13,243 (4%)	29,344 (7%)	372,376 (100%)

ALL SHIPMENTS
BY COMMODITY, 1988-89

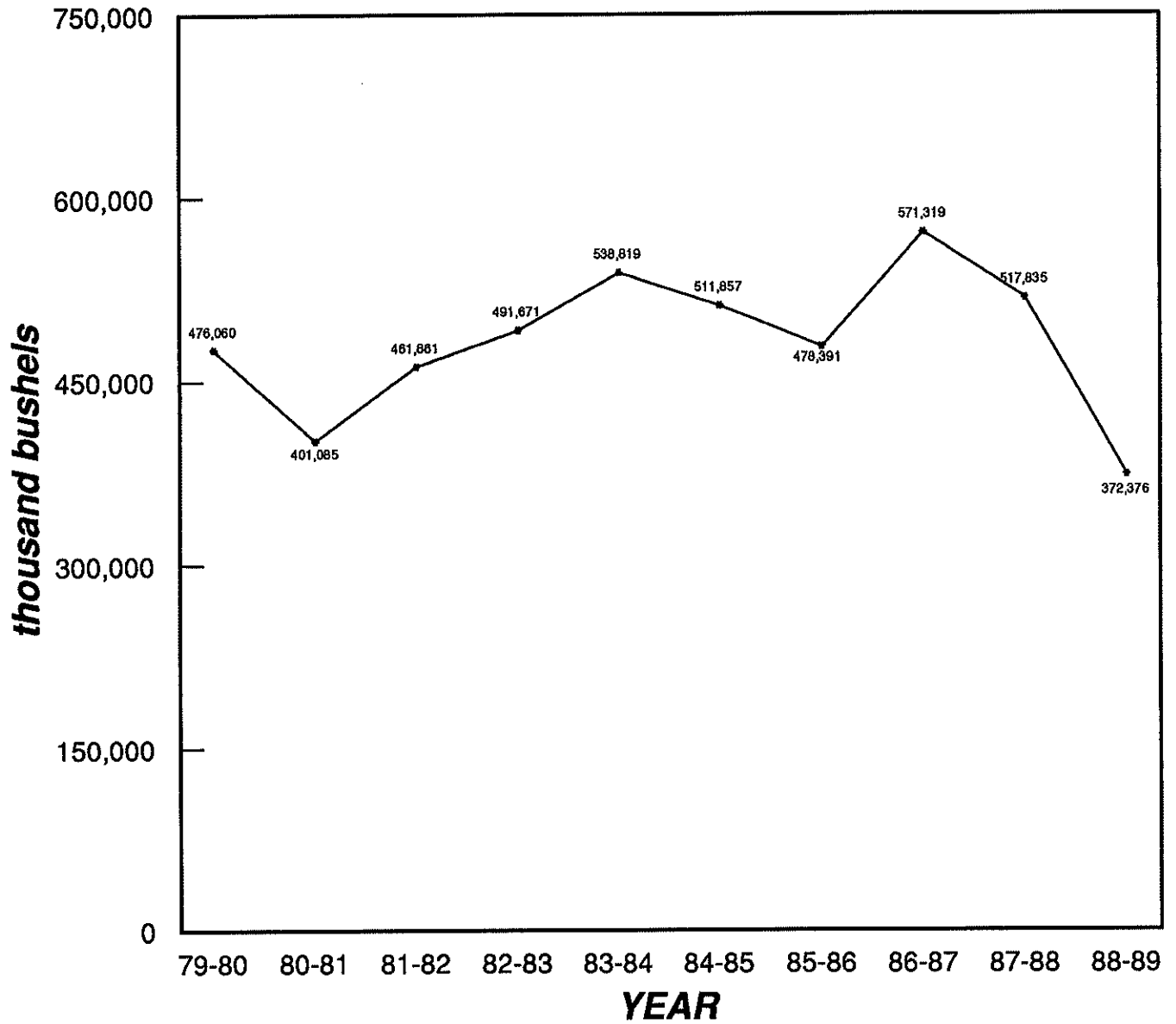


NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY DESTINATION
1976-77 to 1988-89

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
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%)	522,515 (100%)
1988-89	85,561 (23%)	50,767 (14%)	67,862 (18%)	168,187 (45%)	372,376 (100%)

ALL COMMODITY SHIPMENTS

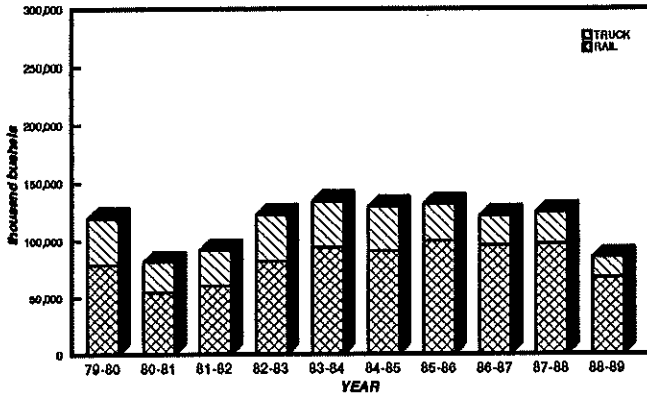
1979-80 to 1988-89



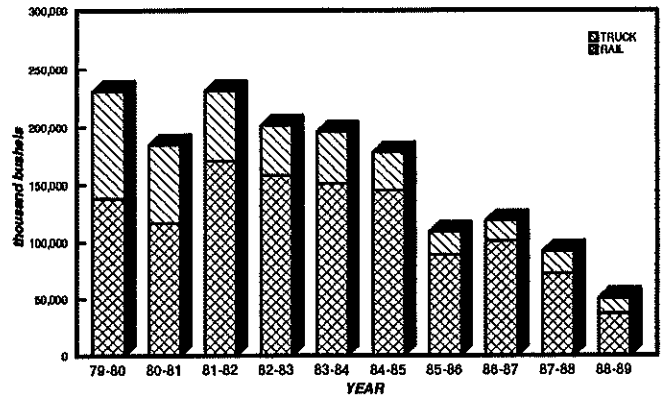
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1976-77	82,764 (76%)	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%)

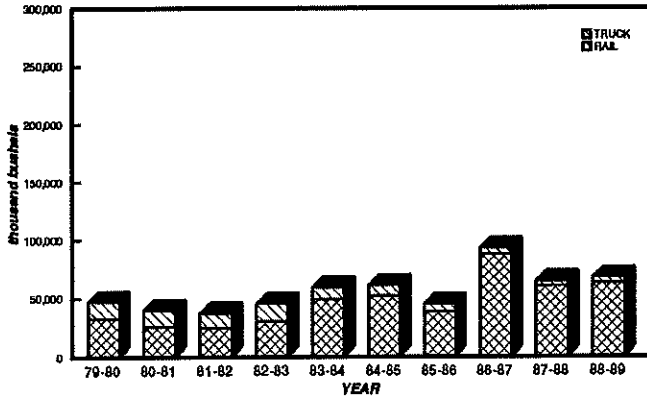
ALL SHIPMENTS TO MPLS
1979-80 to 1988-89



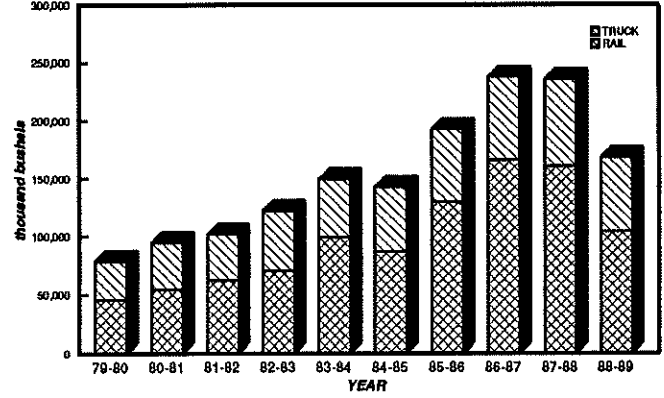
ALL SHIPMENTS TO D/S
1979-80 to 1988-89



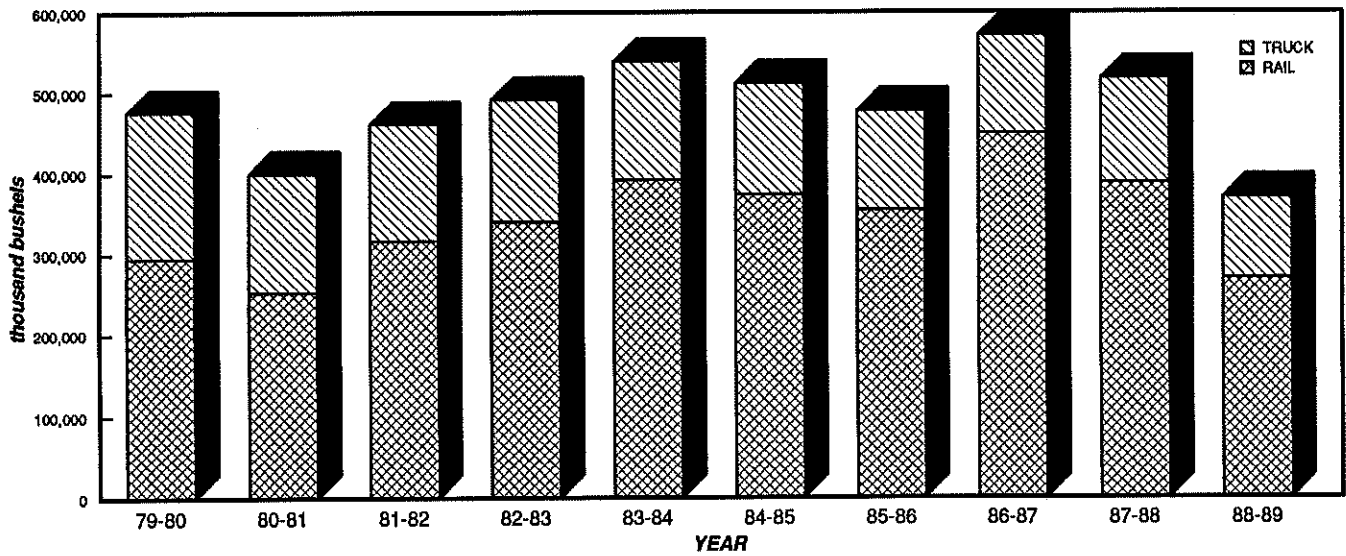
ALL SHIPMENTS TO WEST
1979-80 to 1988-89



ALL SHIPMENTS TO OTHER DESTINATIONS
1979-80 to 1988-89



ALL COMMODITY SHIPMENTS
1979-80 to 1988-89

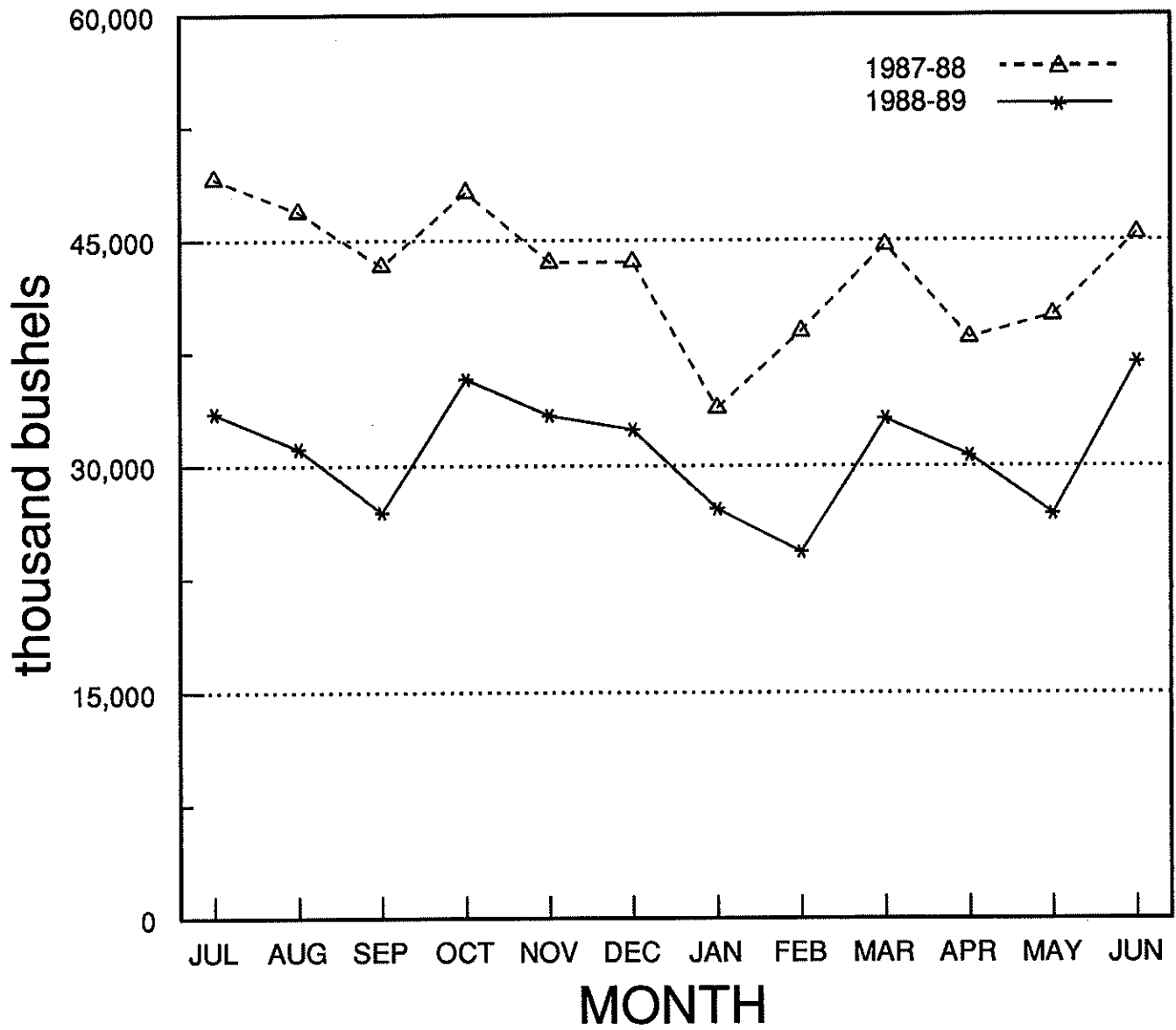


NORTH DAKOTA GRAIN AND OILSEED MOVEMENT BY MONTH
 July, 1988 - June, 1989
 (thousand bushels)

MONTH	HRS	DURUM	SOYBEANS	FLAX	BARLEY	OATS	CORN	SUNFLOWERS	MISC.	TOTAL
July	10,291	3,639	740	196	12,615	527	1,813	2,321	1,317	33,458
August	12,080	4,890	296	301	8,382	1,241	1,733	1,157	1,043	31,123
September	7,606	3,642	2,274	488	6,252	568	2,463	2,602	997	26,895
October	10,114	3,635	1,771	369	7,556	328	2,408	8,371	1,818	36,372
November	10,658	4,396	1,662	175	8,274	365	1,769	4,892	1,120	33,312
December	12,118	3,408	923	154	5,444	227	4,389	4,579	1,125	32,368
January	11,552	2,513	1,034	73	5,058	154	2,536	3,281	917	27,119
February	8,713	2,819	321	42	5,936	86	2,621	2,760	974	24,272
March	13,584	3,307	839	43	8,623	227	2,654	2,811	1,016	33,104
April	11,531	3,288	553	44	9,293	193	2,157	2,410	1,218	30,688
May	11,906	3,655	715	53	7,046	118	1,065	1,592	648	26,800
June	15,487	4,713	1,032	73	8,236	263	3,734	2,280	1,047	36,865
Total	135,640	43,906	12,160	2,013	92,716	4,298	29,344	39,056	13,243	372,376

ALL COMMODITY SHIPMENTS

BY MONTH, 1987-88 & 1988-89

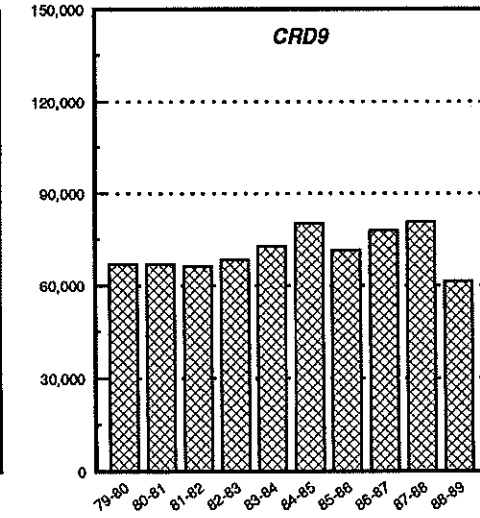
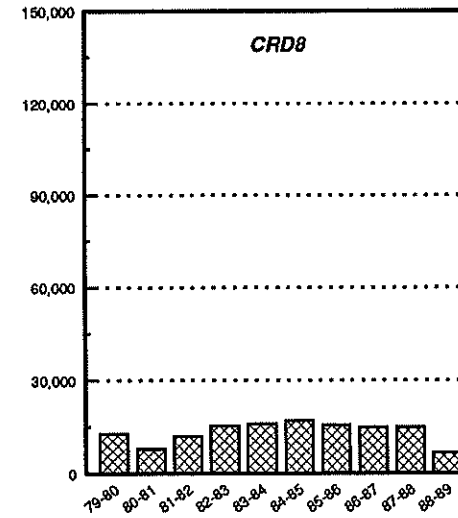
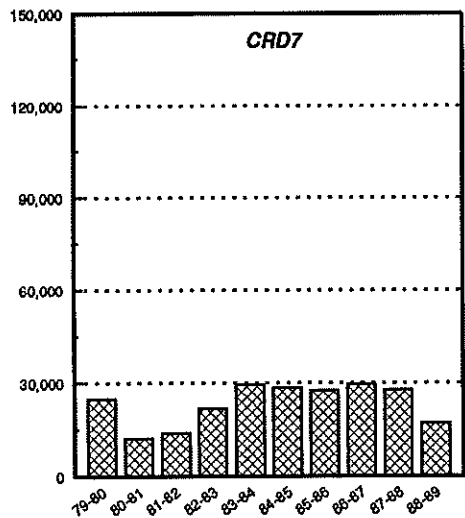
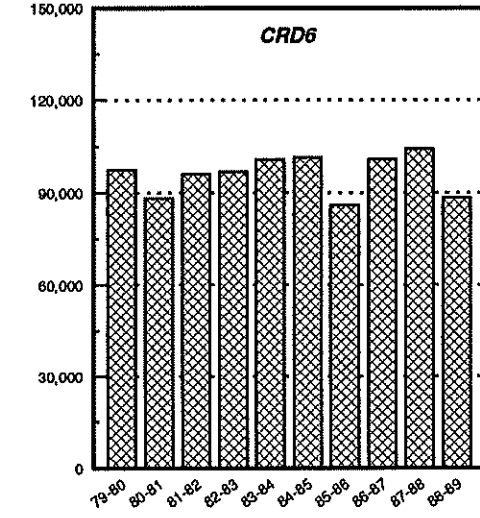
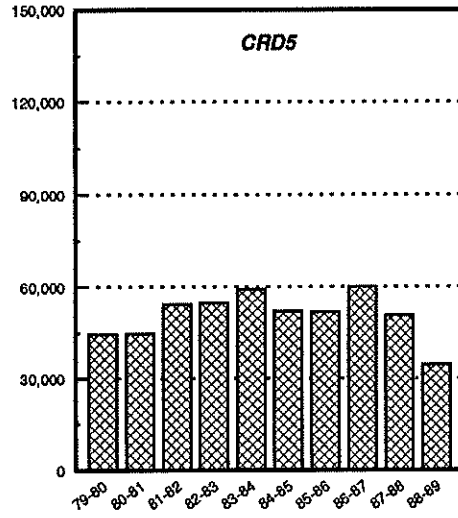
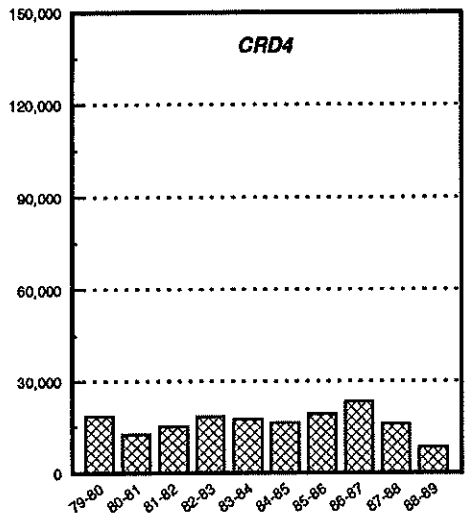
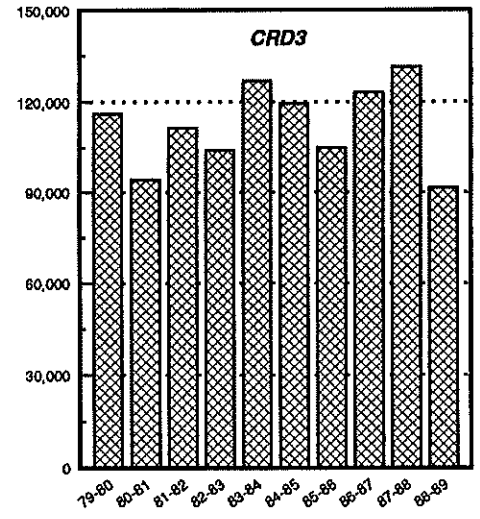
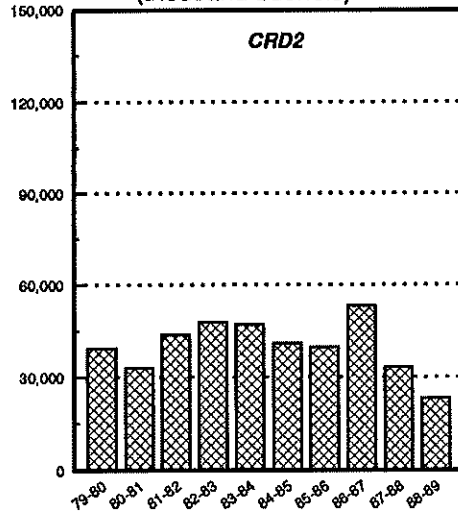
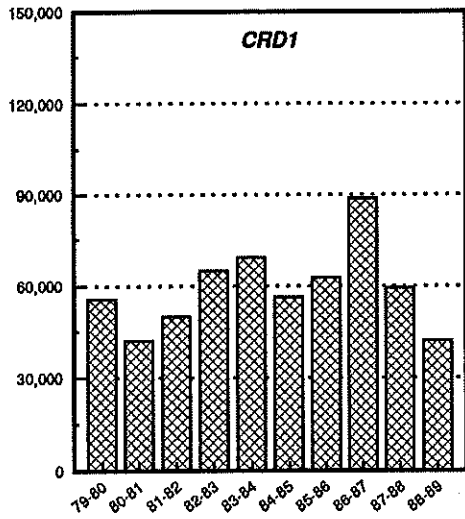


NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
1976-77	38,628 (13%)	29,421 (10%)	80,085 (26%)	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%)	66,779 (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%)

ALL GRAIN AND OILSEED SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



**HARD RED SPRING
WHEAT**

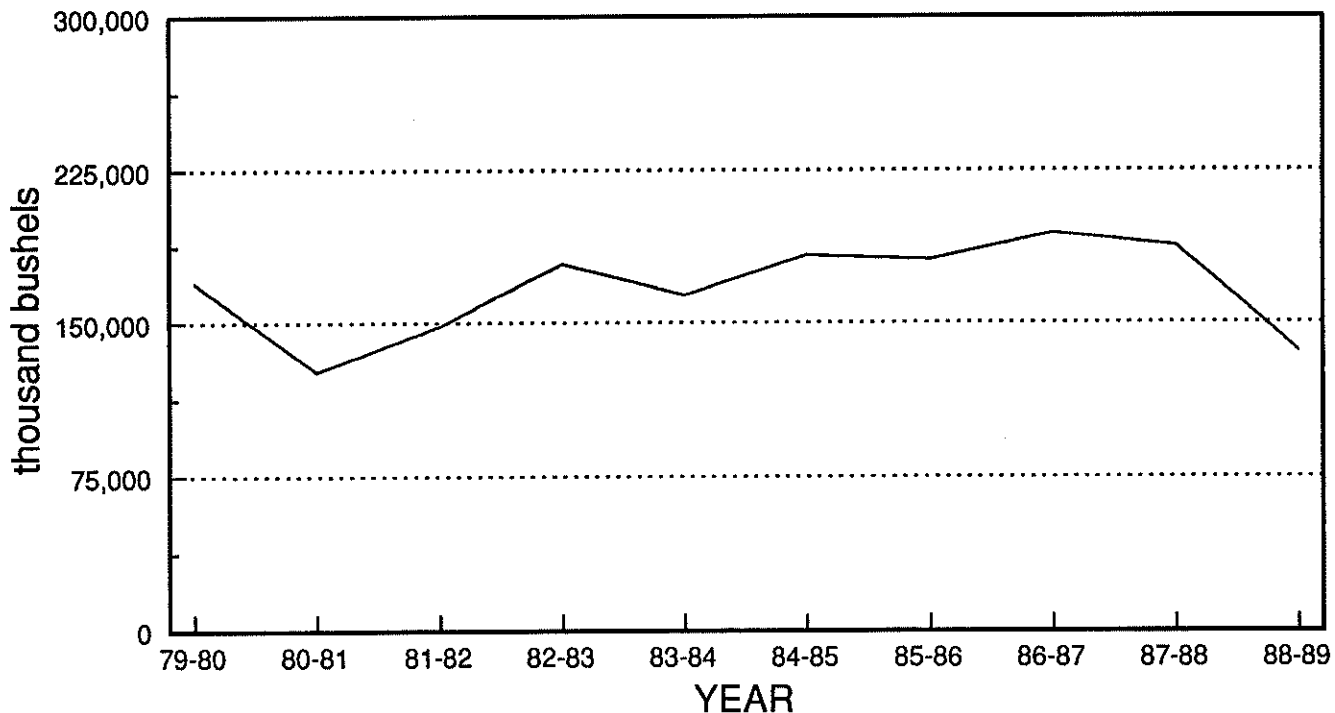
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1976-77	38,230 (31%)	53,419 (43%)	16,675 (13%)	15,651 (13%)	123,975 (100%)
1977-78	28,199 (22%)	65,832 (51%)	21,502 (17%)	12,402 (10%)	127,953 (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%)	58,933 (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%)

* Miscellaneous markets for hard red spring wheat include Midland/Southwest States (11,528,641 bushels or 9%), Other Minnesota/Wisconsin (12,759,478 bushels or 9%), North Dakota destinations (3,222,412 bushels or 2%), and all other miscellaneous destinations (9,836,317 bushels or 7%).

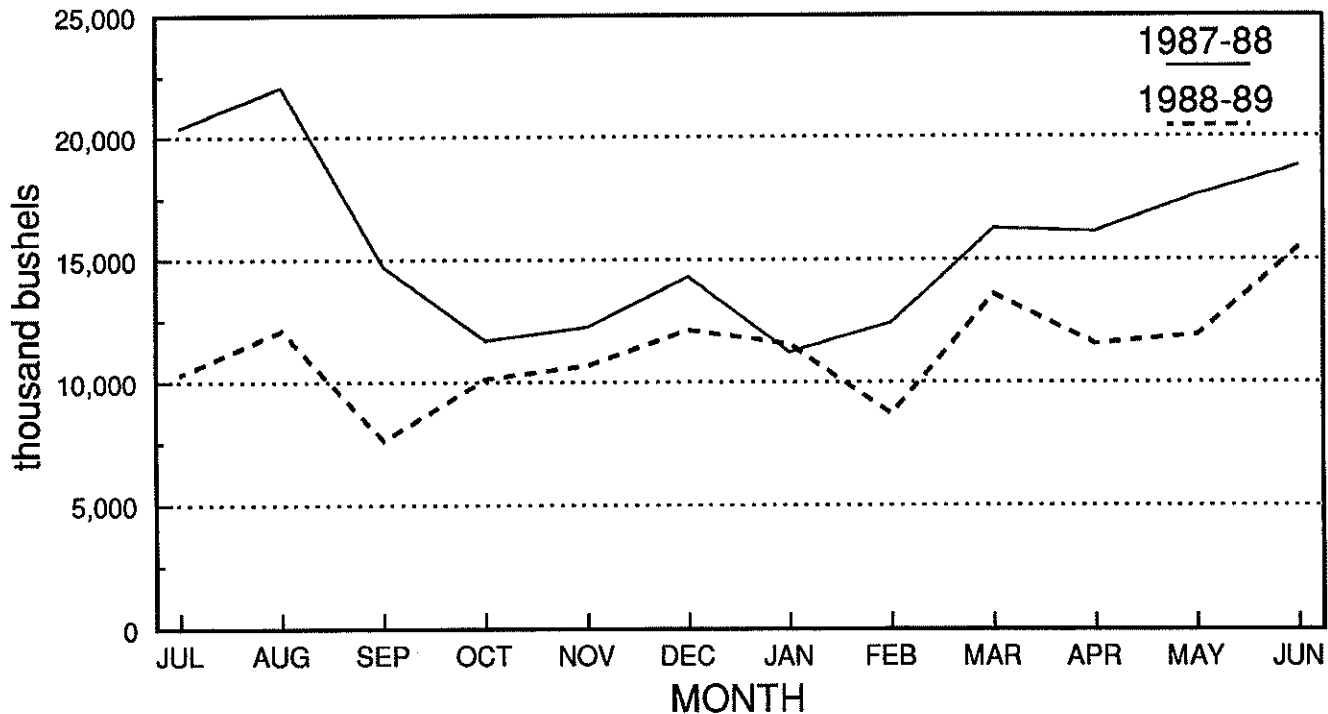
WHEAT SHIPMENTS (EXCL DURUM)

1979-80 to 1988-89



WHEAT SHIPMENTS (EXCL DURUM)

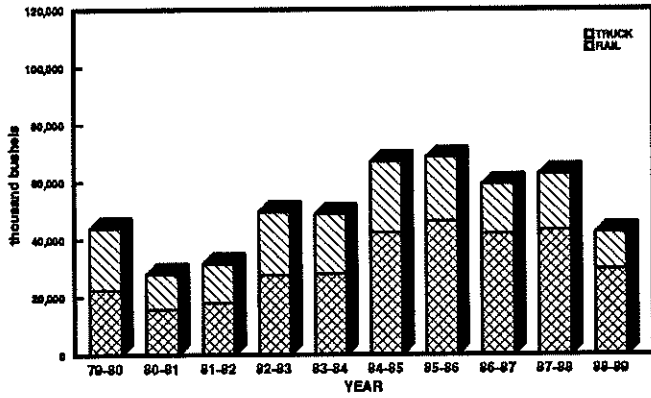
BY MONTH, 1987-88 and 1988-89



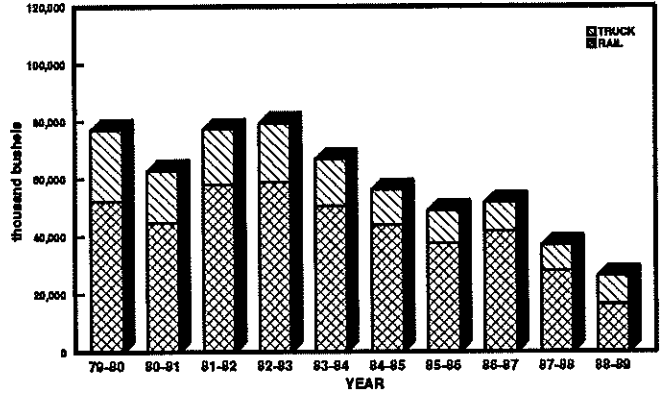
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
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	20,087 (49%)	20,609 (51%)	50,383 (76%)	16,136 (24%)	20,523 (71%)	8,568 (29%)	13,020 (69%)	5,980 (31%)	112,013 (69%)	51,292 (31%)
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%)	130,049 (71%)	53,061 (29%)
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%)

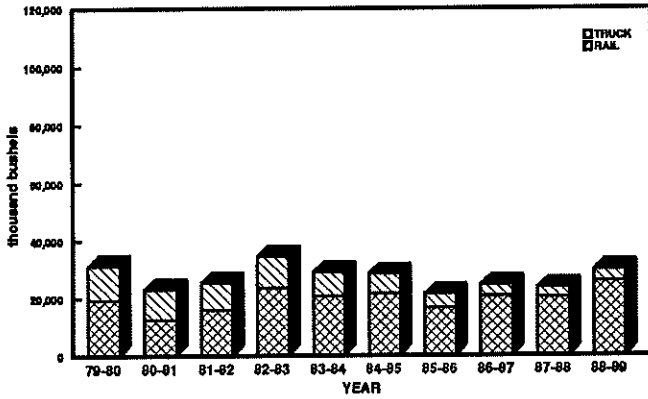
WHEAT TO MPLS
1979-80 to 1988-89



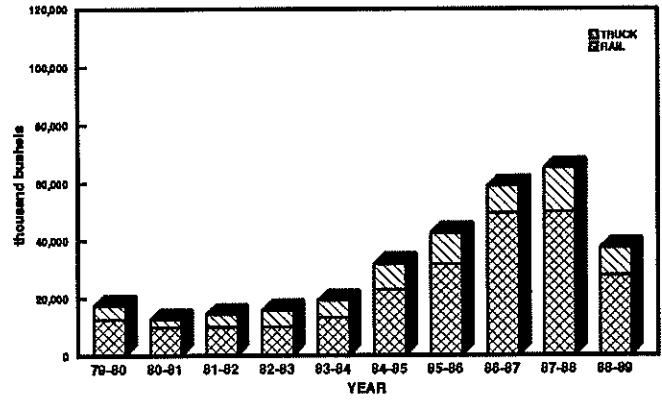
WHEAT TO D/S
1979-80 to 1988-89



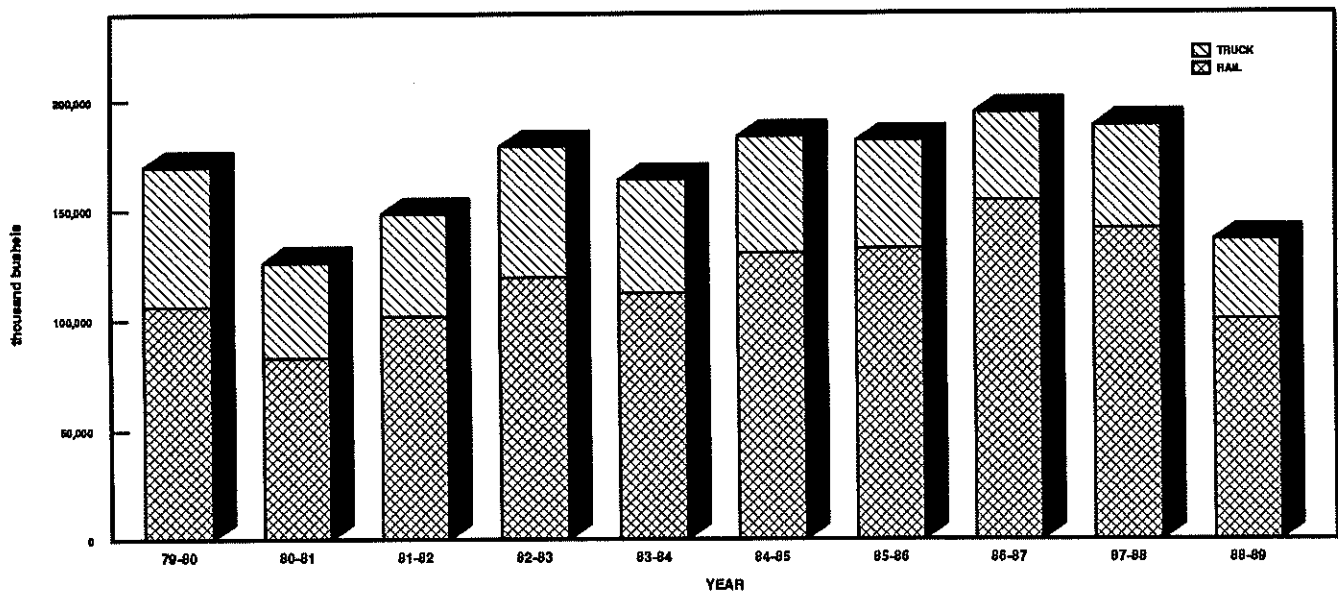
WHEAT TO WEST
1979-80 to 1988-89



WHEAT TO MISC
1979-80 to 1988-89



WHEAT SHIPMENTS
1979-80 to 1988-89

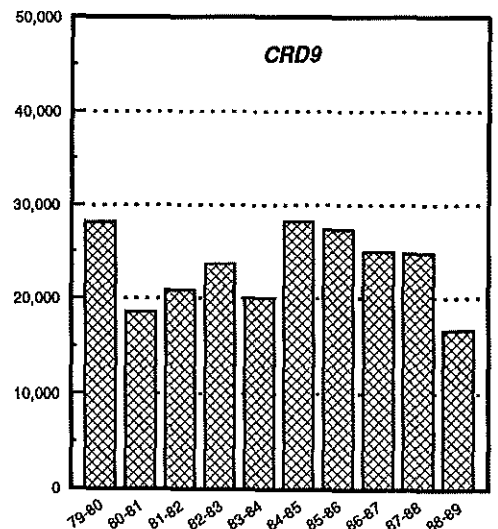
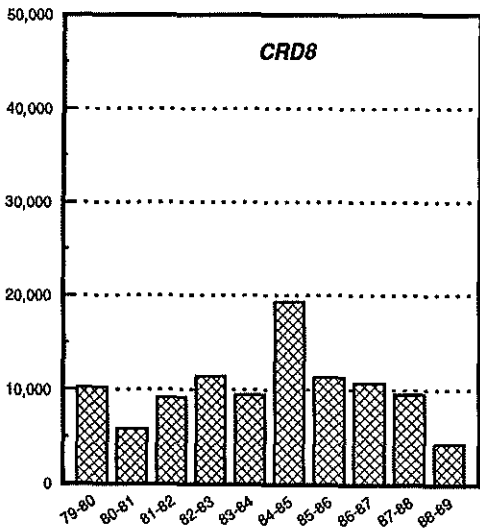
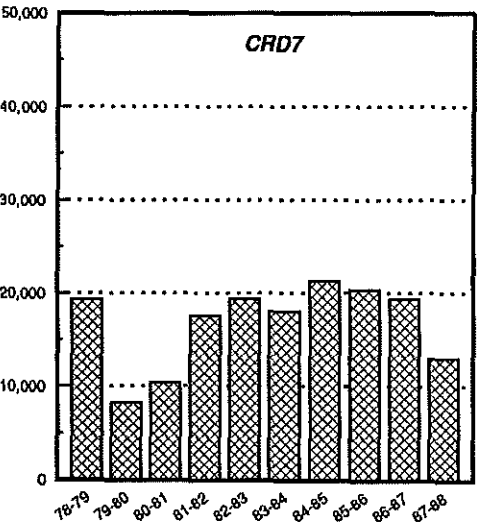
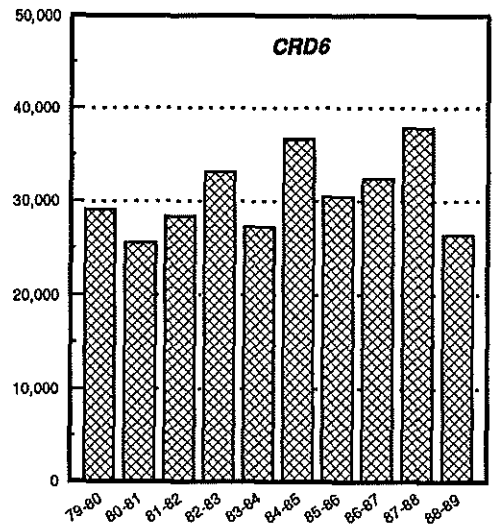
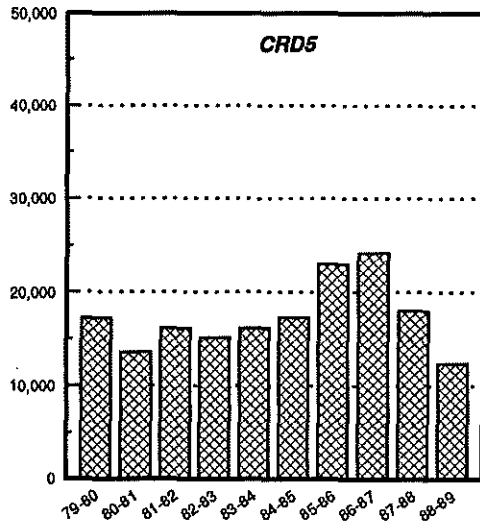
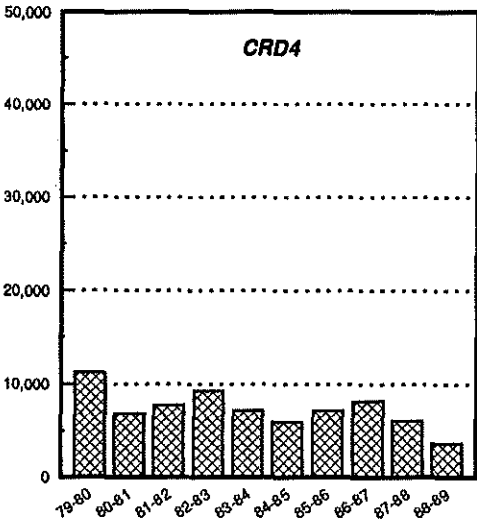
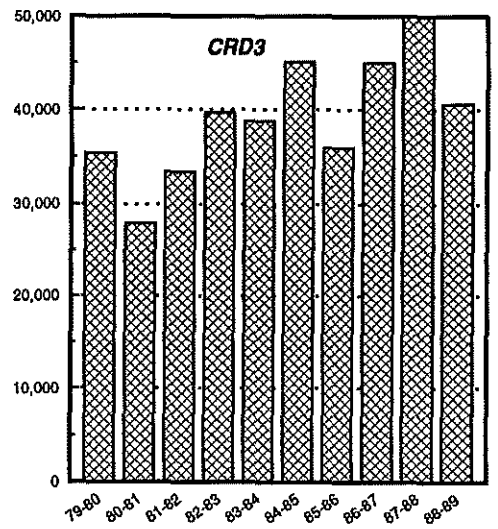
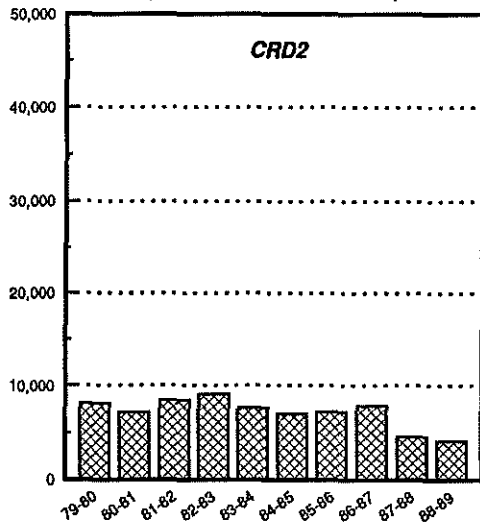
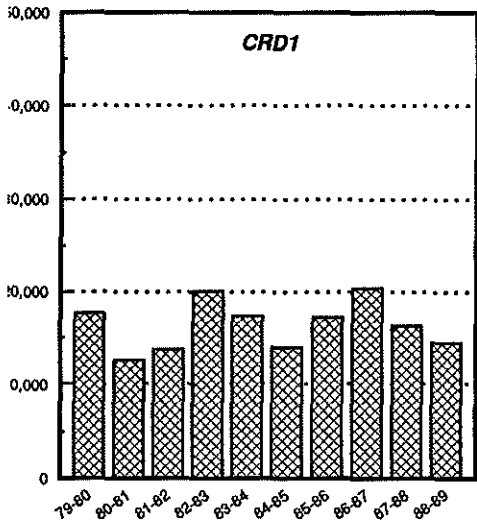


NORTH DAKOTA HARD RED SPRING WHEAT MOVEMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
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%)	184,823 (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%)	169,573 (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%)

WHEAT SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



DURUM

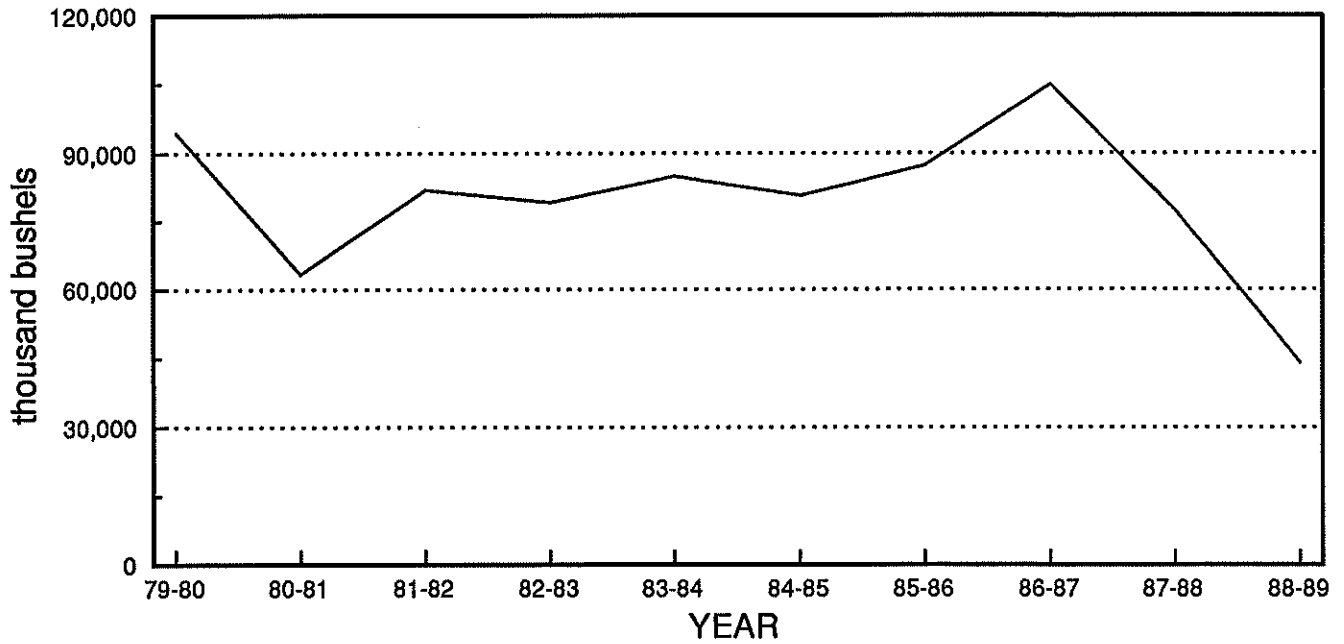
NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
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 ^a (50%)	43,905 (100%)

^a Miscellaneous markets for durum include Midland/Southwest States (4,637,907 bushels or 11%), Other Minnesota/Wisconsin (6,556,618 bushels or 15%), North Dakota destinations (6,565,045 or 15%), and all other miscellaneous destinations (4,009,586 bushels or 9%)

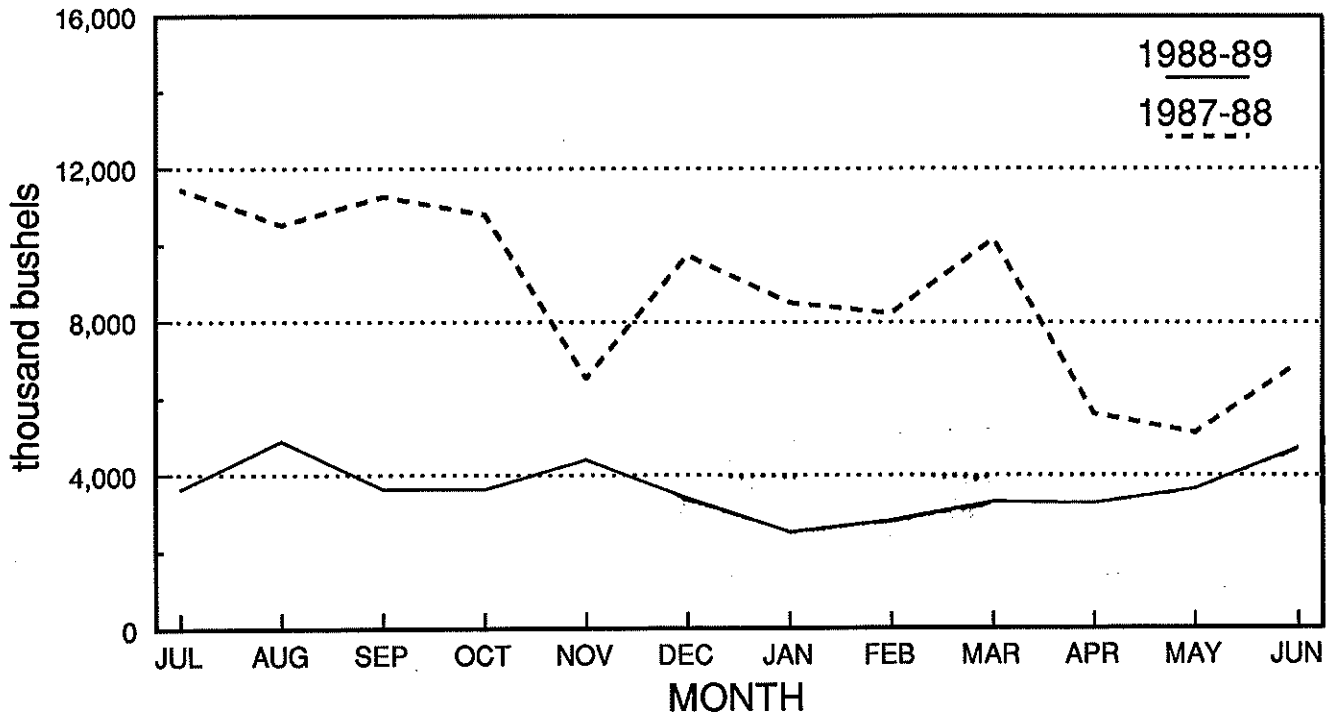
DURUM SHIPMENTS

1979-80 to 1988-89



DURUM SHIPMENTS

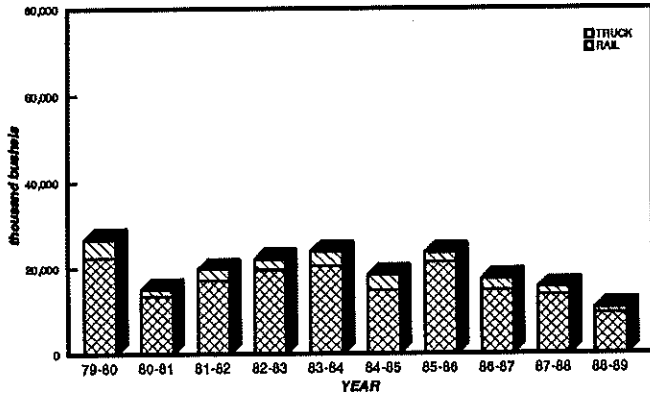
1979-80 to 1988-89



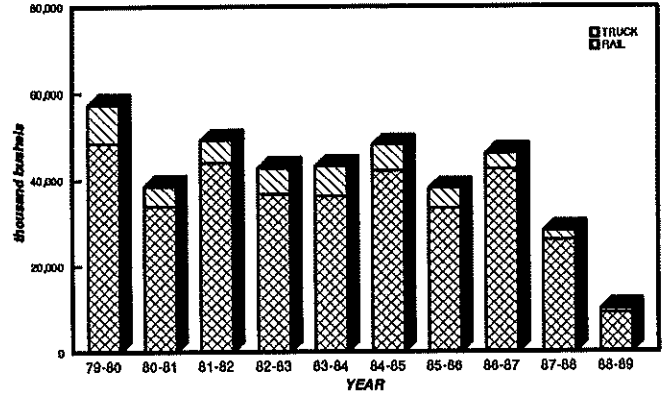
NORTH DAKOTA DURUM SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
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%)	10,452 (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%)

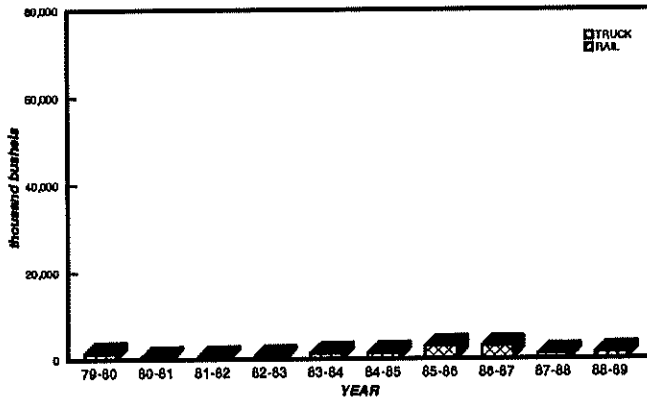
DURUM TO MPLS
1979-80 to 1988-89



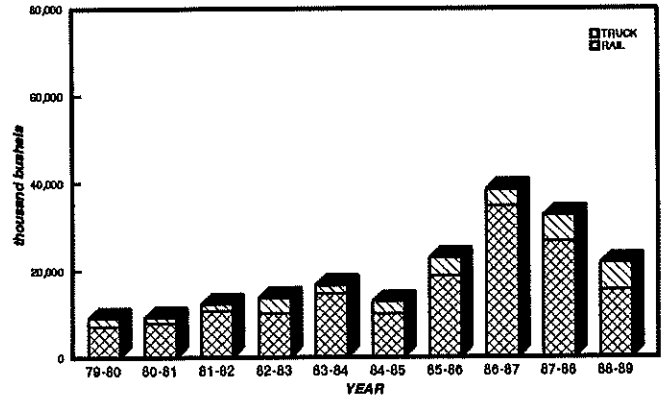
DURUM TO D/S
1979-80 to 1988-89



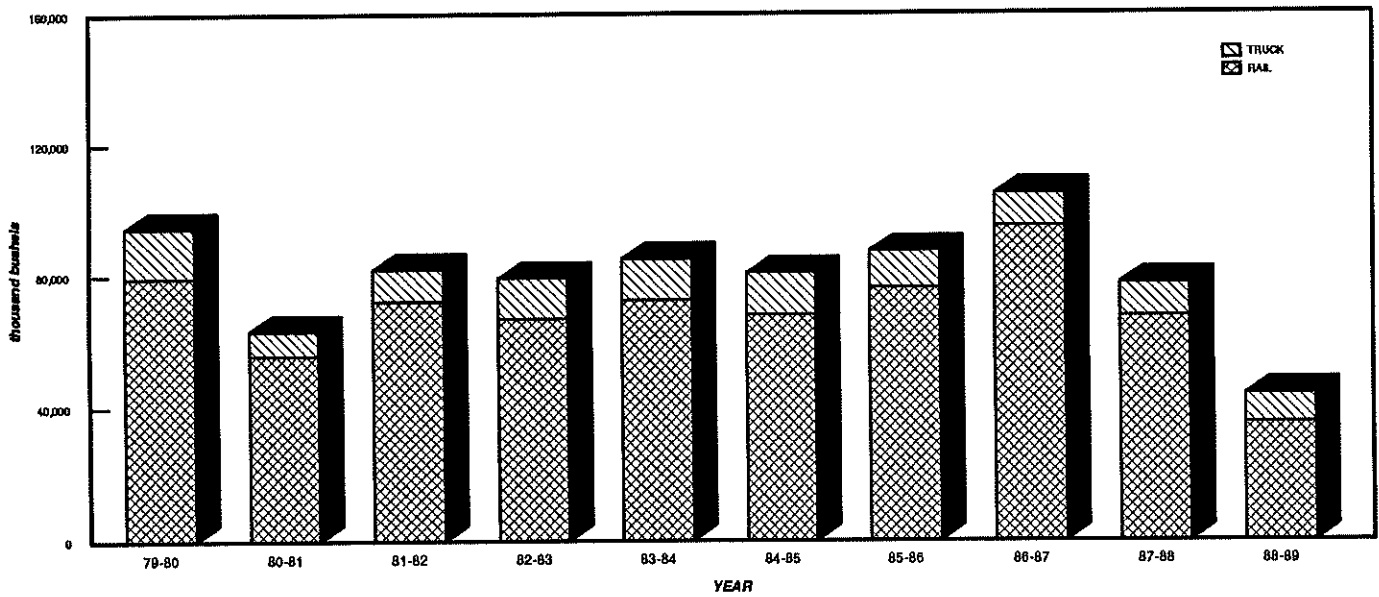
DURUM TO WEST
1979-80 to 1988-89



DURUM TO MISC
1979-80 to 1988-89



DURUM SHIPMENTS
1979-80 to 1988-89

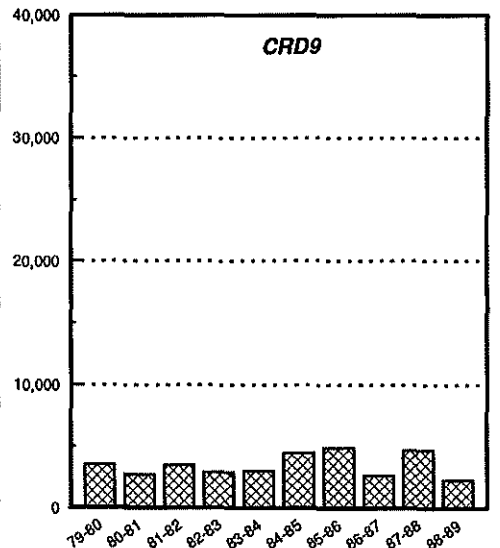
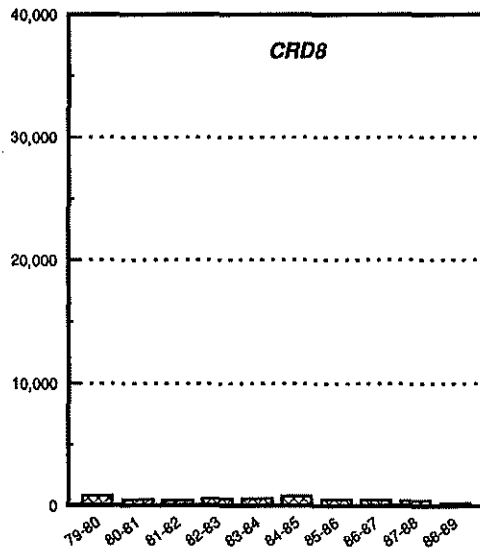
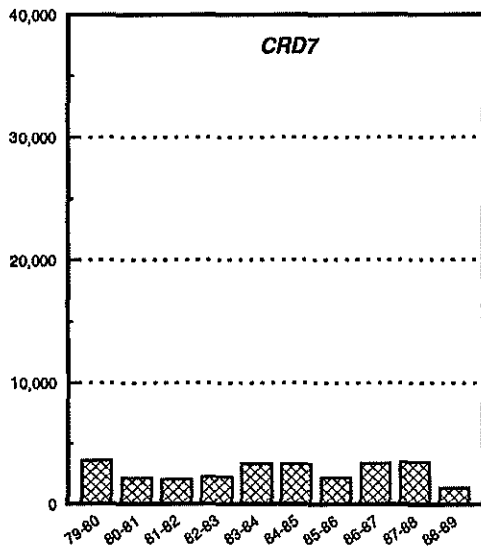
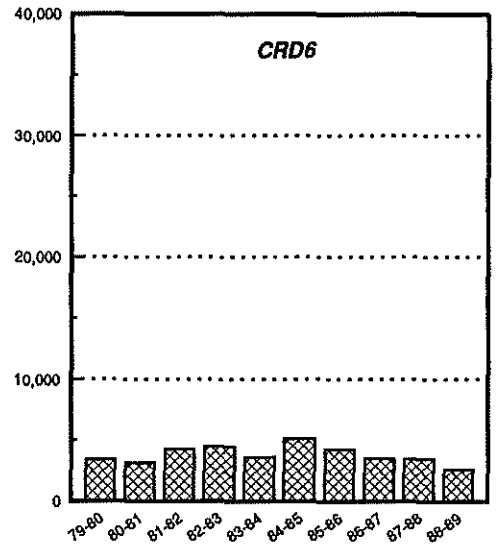
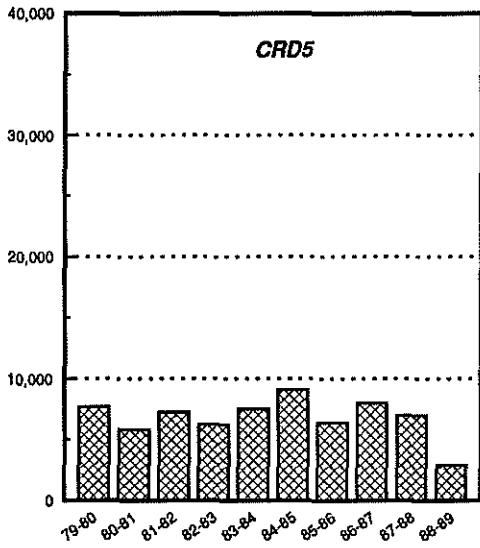
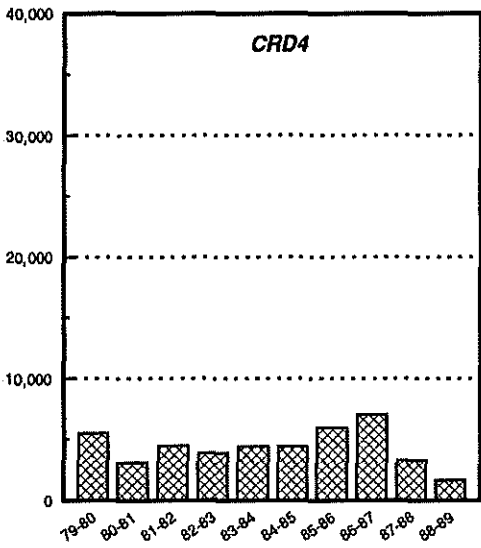
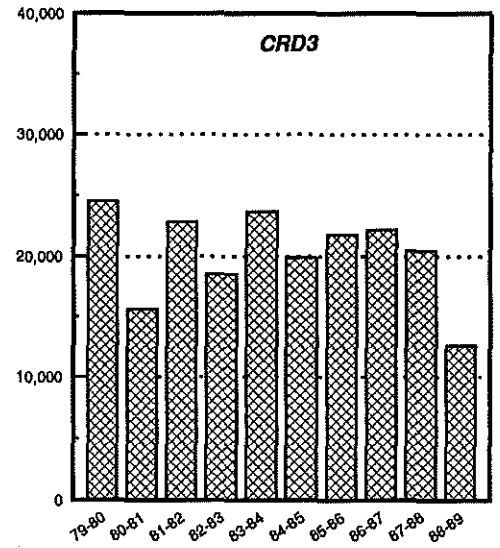
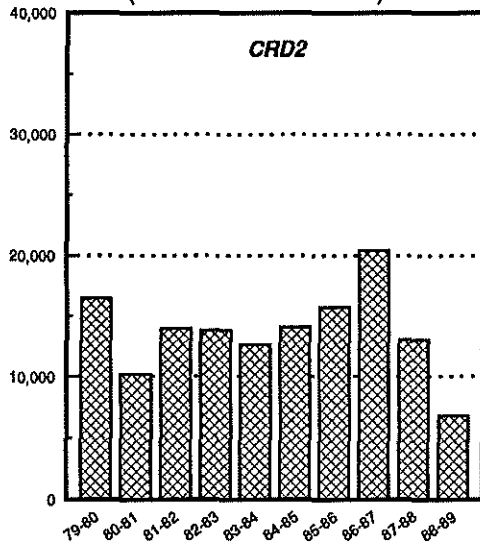
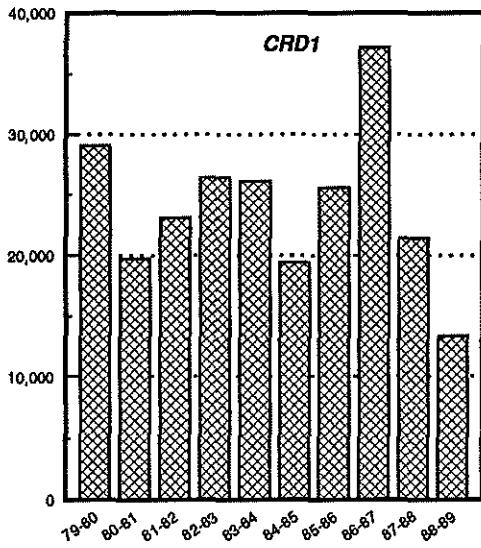


NORTH DAKOTA DURUM SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
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%)

DURUM SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



BARLEY

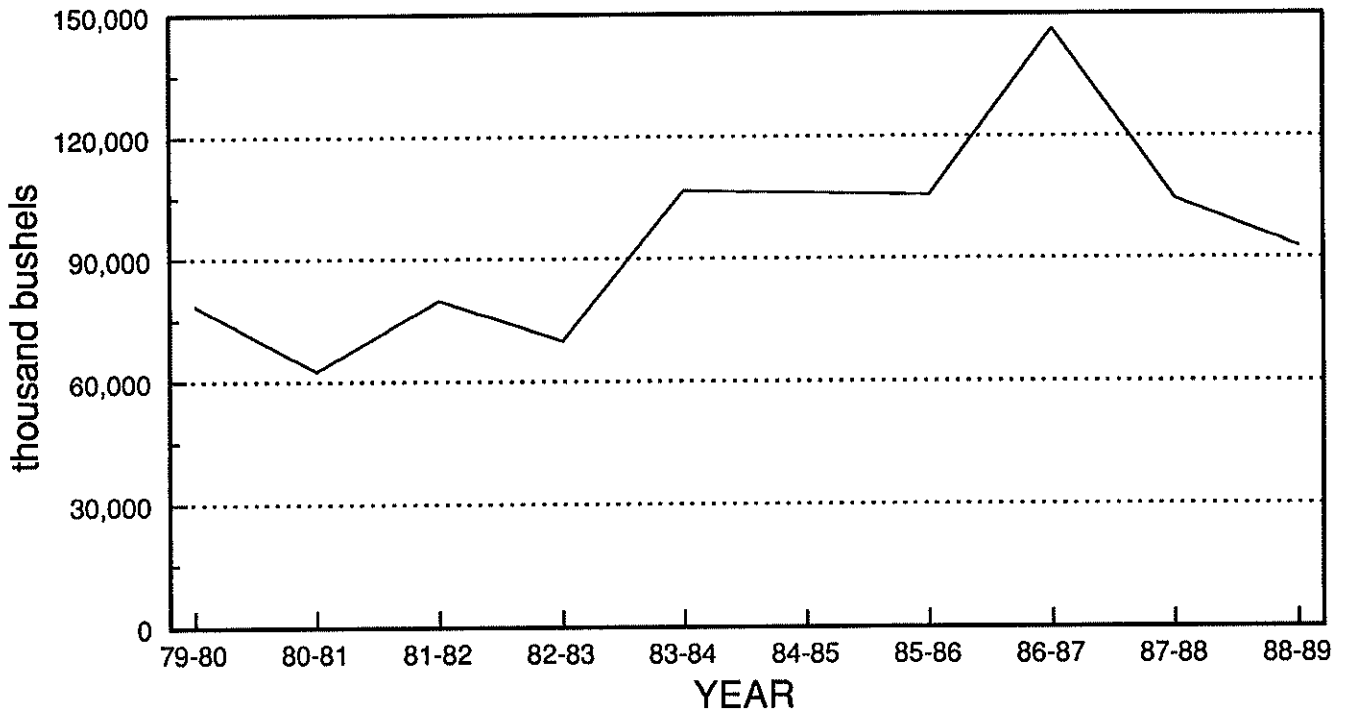
NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1976-77	39,728 (54%)	26,672 (36%)	126 (1%)	6,788 (9%)	73,314 (100%)
1977-78	25,006 (40%)	22,394 (35%)	792 (1%)	14,923 (24%)	63,115 (100%)
1978-79	27,092 (39%)	12,786 (18%)	1,204 (2%)	28,566 (41%)	69,648 (100%)
1979-80	29,169 (37%)	22,643 (29%)	753 (1%)	26,056 (33%)	78,621 (100%)
1980-81	20,034 (32%)	14,214 (23%)	2,147 (3%)	26,277 (42%)	62,672 (100%)
1981-82	19,942 (25%)	31,671 (40%)	1,156 (1%)	27,032 (34%)	79,801 (100%)
1982-83	20,857 (30%)	12,544 (18%)	1,766 (3%)	34,939 (50%)	70,106 (100%)
1983-84	21,394 (20%)	38,578 (36%)	4,290 (4%)	42,383 (40%)	106,645 (100%)
1984-85	22,827 (22%)	26,665 (25%)	9,473 (9%)	47,064 (44%)	106,030 (100%)
1985-86	20,434 (19%)	8,175 (8%)	9,554 (9%)	67,273 (64%)	105,436 (100%)
1986-87	29,521 (20%)	10,136 (7%)	42,849 (29%)	63,836 (44%)	146,342 (100%)
1987-88	27,230 (26%)	16,112 (15%)	5,625 (5%)	55,432 (53%)	104,399 (100%)
1988-89	22,691 (24%)	9,735 (11%)	6,850 (7%)	53,438* (58%)	92,715 (100%)

* Miscellaneous markets for barley include Other Minnesota/Wisconsin (18,725,673 bushels or 20%), Midland/Southwest States (12,485,502 bushels or 13%), North Dakota destinations (16,714,792 bushels or 18%), and all other miscellaneous destinations (5,512,409 bushels or 6%).

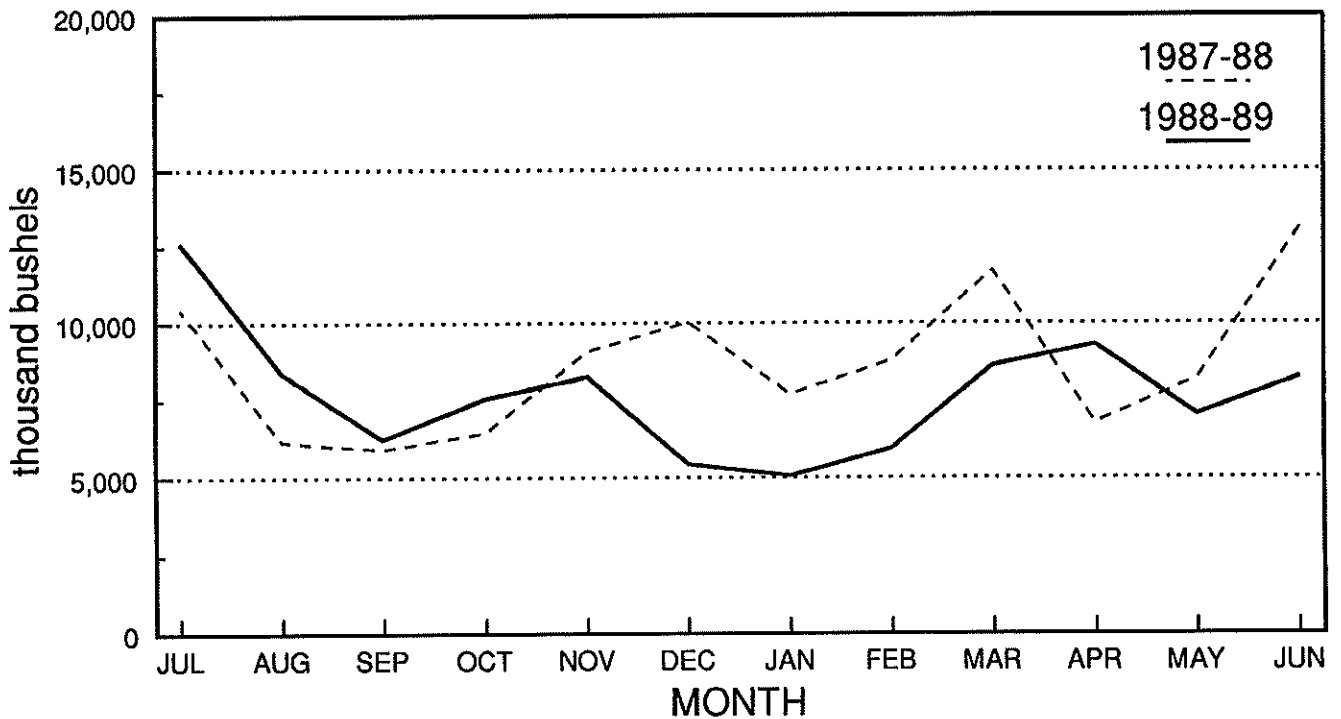
BARLEY SHIPMENTS

1979-80 to 1988-89



BARLEY SHIPMENTS

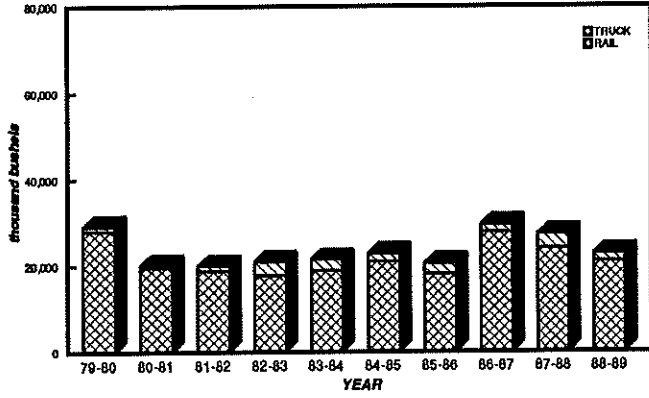
BY MONTH, 1987-88 and 1988-89



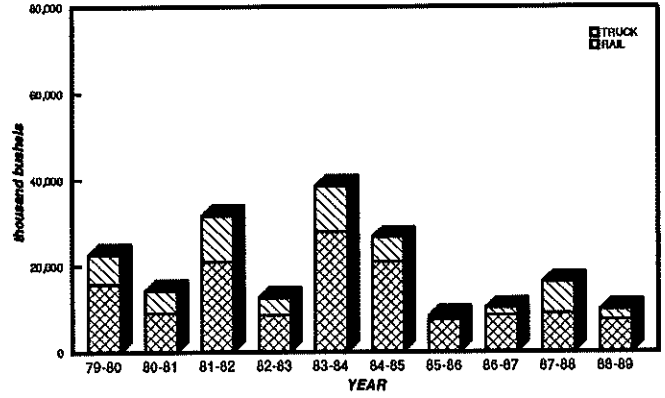
NORTH DAKOTA BARLEY SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
1976-77	37,974 (96%)	1,753 (4%)	5,792 (22%)	20,880 (78%)	74 (58%)	52 (42%)	4,329 (64%)	2,459 (36%)	48,169 (66%)	25,144 (34%)
1977-78	23,111 (92%)	1,895 (8%)	6,145 (27%)	16,249 (73%)	323 (41%)	469 (59%)	11,583 (78%)	3,340 (22%)	41,162 (65%)	21,953 (35%)
1978-79	25,414 (94%)	1,678 (6%)	7,578 (59%)	5,210 (41%)	677 (56%)	527 (44%)	18,656 (65%)	9,910 (35%)	52,325 (75%)	17,325 (25%)
1979-80	27,963 (96%)	1,206 (4%)	15,697 (69%)	6,945 (31%)	301 (40%)	452 (60%)	17,728 (68%)	8,328 (32%)	61,689 (79%)	16,931 (21%)
1980-81	19,535 (98%)	499 (2%)	9,025 (63%)	5,189 (37%)	92 (4%)	2,055 (96%)	19,133 (73%)	7,144 (27%)	47,785 (76%)	14,887 (24%)
1981-82	18,619 (93%)	1,323 (7%)	20,889 (66%)	10,782 (34%)	247 (21%)	910 (79%)	20,189 (75%)	6,844 (25%)	59,943 (75%)	19,858 (25%)
1982-83	17,680 (85%)	3,176 (15%)	8,484 (68%)	4,060 (32%)	179 (10%)	1,586 (90%)	28,994 (83%)	5,946 (17%)	55,337 (79%)	14,768 (21%)
1983-84	18,763 (88%)	2,631 (12%)	27,896 (72%)	10,682 (28%)	3,782 (88%)	509 (12%)	36,784 (87%)	5,599 (13%)	87,225 (82%)	19,420 (18%)
1984-85	20,821 (91%)	2,006 (9%)	20,822 (78%)	5,843 (22%)	8,508 (90%)	965 (10%)	37,750 (80%)	9,314 (20%)	87,901 (83%)	18,128 (17%)
1985-86	17,888 (88%)	2,546 (12%)	7,610 (93%)	565 (7%)	8,444 (88%)	1,110 (12%)	57,775 (86%)	9,498 (14%)	91,717 (87%)	13,719 (13%)
1986-87	27,731 (94%)	1,789 (6%)	8,429 (83%)	1,707 (17%)	42,590 (99%)	259 (1%)	57,444 (90%)	6,392 (10%)	136,194 (93%)	10,148 (7%)
1987-88	23,958 (88%)	3,272 (12%)	8,827 (55%)	7,285 (45%)	5,310 (94%)	315 (6%)	45,453 (82%)	9,979 (18%)	83,548 (80%)	20,851 (20%)
1988-89	20,908 (92%)	1,782 (8%)	7,395 (76%)	2,340 (24%)	6,531 (95%)	318 (5%)	41,631 (78%)	11,806 (22%)	76,467 (82%)	16,248 (18%)

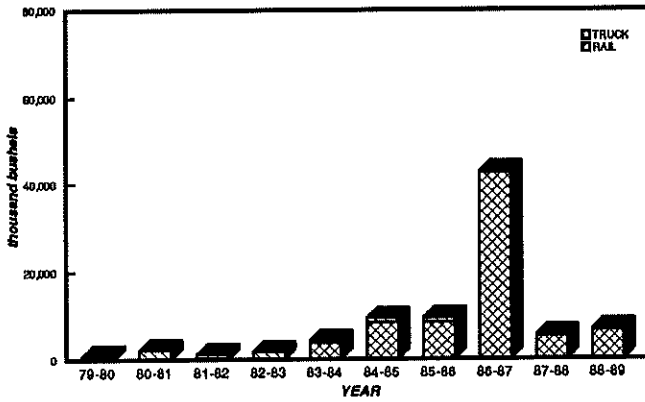
BARLEY TO MPLS
1979-80 to 1988-89



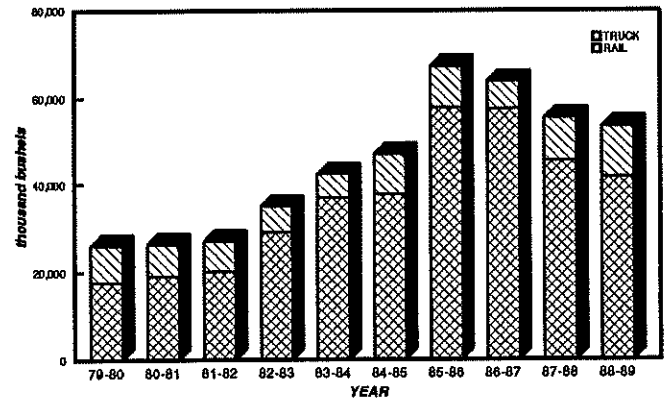
BARLEY TO D/S
1979-80 to 1988-89



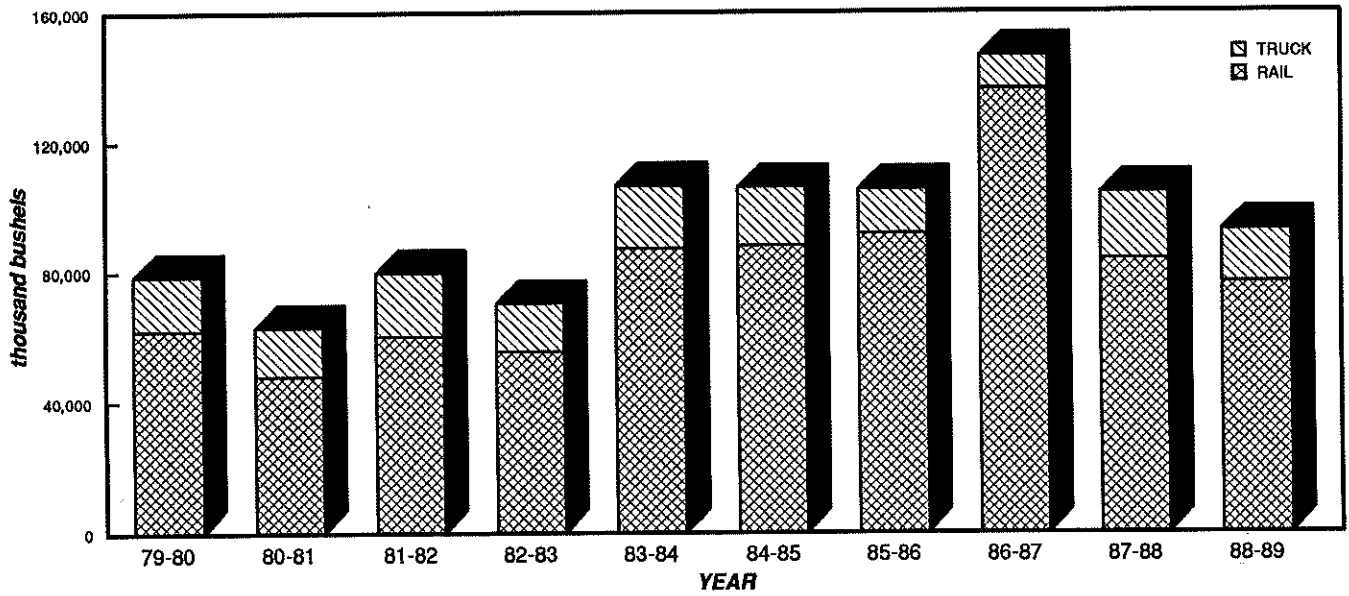
BARLEY TO WEST
1979-80 to 1988-89



BARLEY TO MISC
1979-80 to 1988-89



ALL BARLEY SHIPMENTS
1979-80 to 1988-89

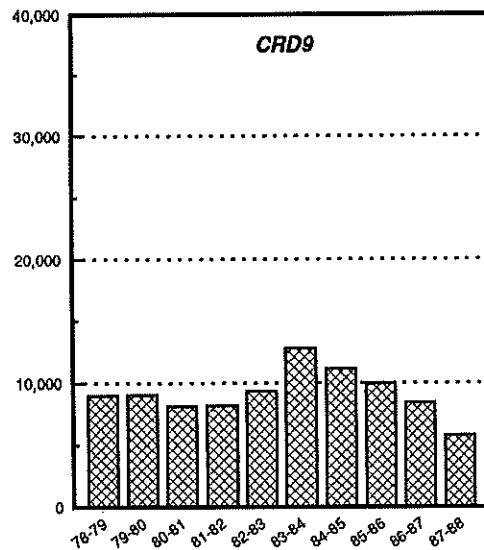
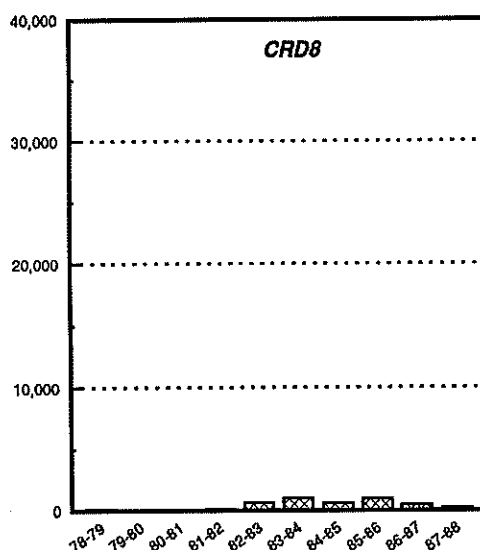
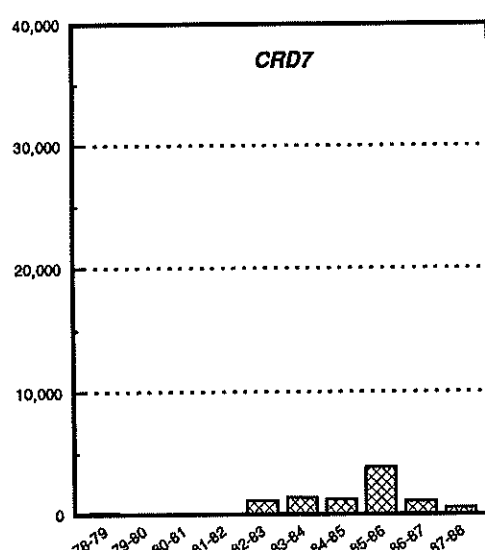
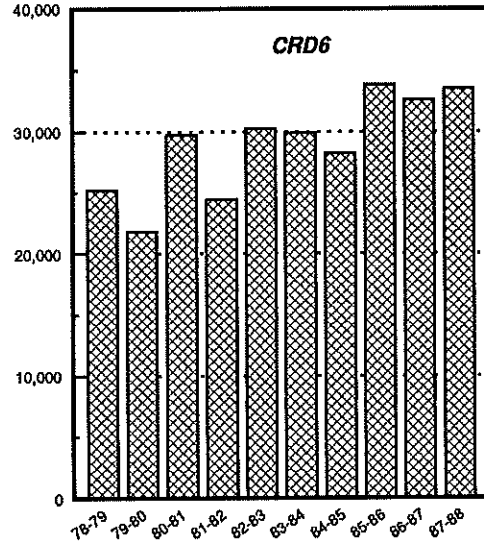
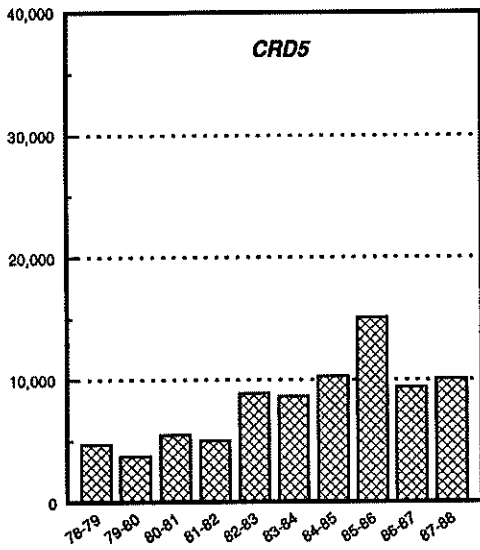
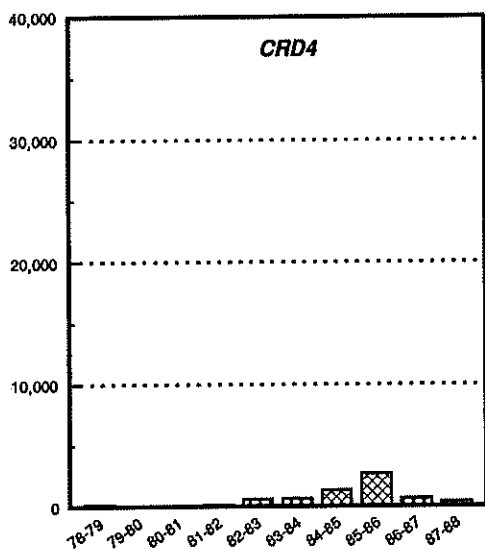
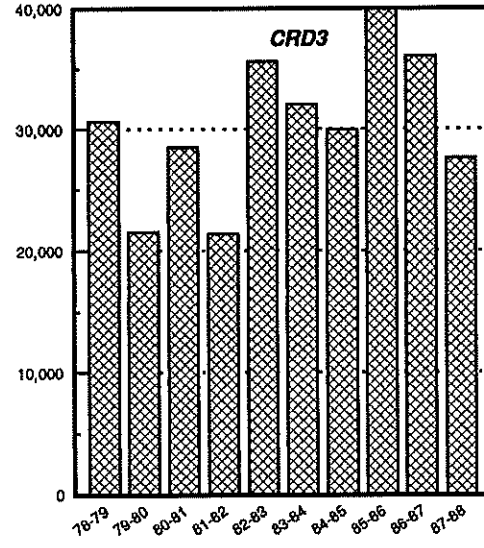
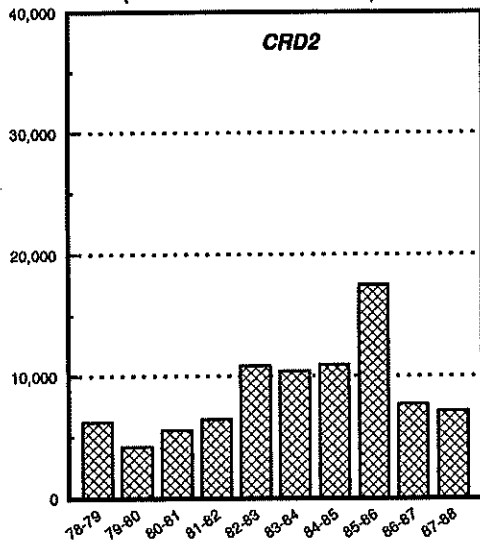
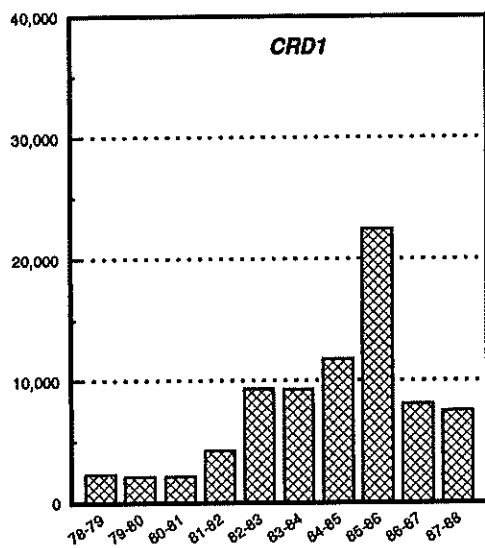


NORTH DAKOTA BARLEY SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
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 (9%)	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 (11%)	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%)	70,105 (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%)

BARLEY SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



SUNFLOWER

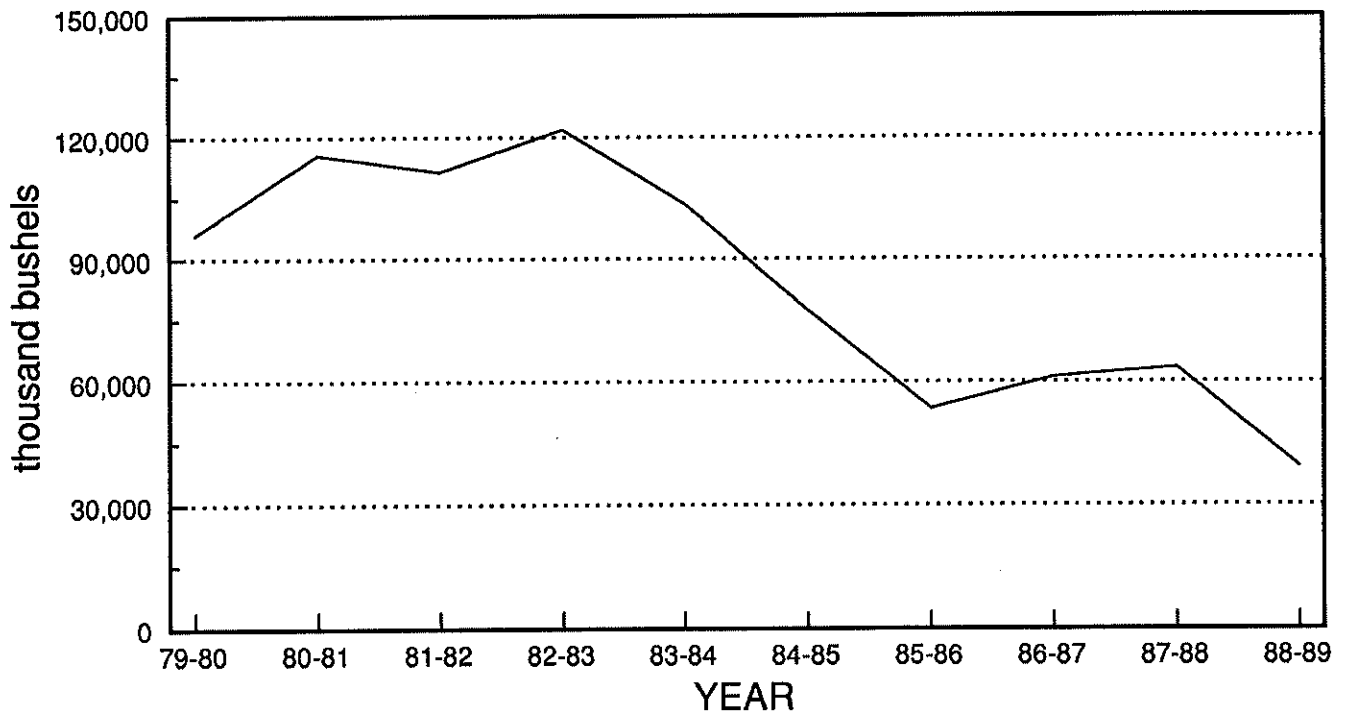
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	OTHER MINN.	MISC. MARKETS	TOTAL
	(thousand bu.)				
1976-77	863 (6%)	8,693 (56%)	1,369 (9%)	4,697 (30%)	15,622 (100%)
1977-78	2,992 (6%)	38,019 (74%)	3,220 (6%)	7,047 (14%)	51,278 (100%)
1978-79	4,790 (6%)	63,178 (80%)	5,608 (7%)	5,677 (7%)	79,253 (100%)
1979-80	6,154 (6%)	69,422 (72%)	8,215 (9%)	12,149 (13%)	95,740 (100%)
1980-81	10,167 (9%)	67,277 (59%)	8,398 (9%)	29,024 (25%)	114,866 (100%)
1981-82	6,664 (6%)	70,391 (63%)	3,479 (3%)	30,962 (28%)	111,496 (100%)
1982-83	14,374 (12%)	64,849 (53%)	9,282 (8%)	33,240 (27%)	121,744 (100%)
1983-84	11,741 (11%)	40,560 (39%)	3,486 (3%)	47,661 (46%)	103,449 (100%)
1984-85	5,636 (7%)	42,875 (55%)	5,806 (8%)	23,094 (30%)	77,412 (100%)
1985-86	3,623 (7%)	12,659 (24%)	2,413 (5%)	34,846 (65%)	53,541 (100%)
1986-87	3,142 (5%)	9,705 (16%)	2,903 (5%)	45,316 (74%)	61,067 (100%)
1987-88	4,085 (6%)	7,629 (12%)	6,248 (10%)	45,457 (72%)	63,419 (100%)
1988-89	2,496 (6%)	105 (0%)	4,934 (13%)	31,519 ^a (81%)	39,056 (100%)

^a Miscellaneous markets for sunflower seed include North Dakota destinations (5,833,655 bushels or 53%), Midland/Southwest States (316,778 bushels or 3%), West States (28,853 bushels or less than 1%), and all other miscellaneous destinations (1,381,692 bushels or 13%).

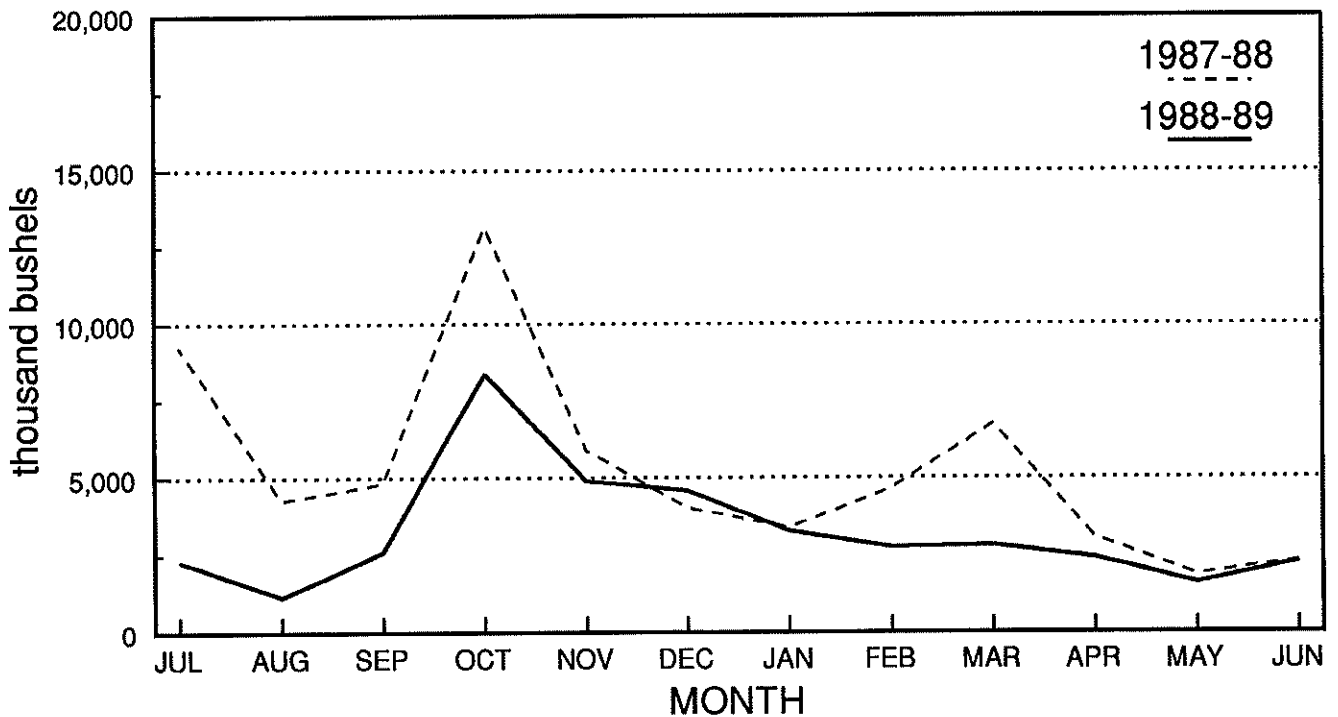
SUNFLOWER SHIPMENTS

1979-80 to 1988-89



SUNFLOWER SHIPMENTS

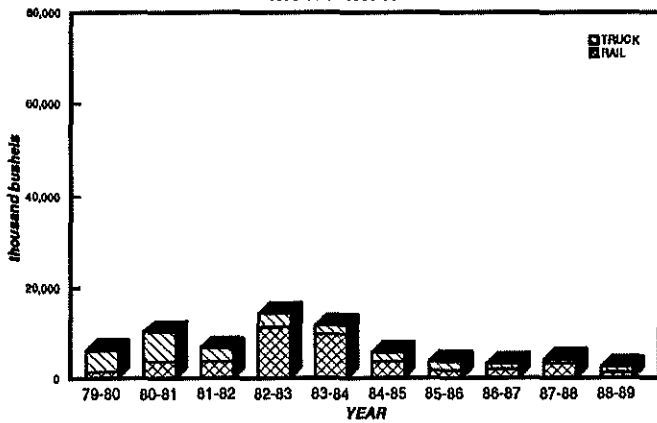
BY MONTH, 1987-88 and 1988-89



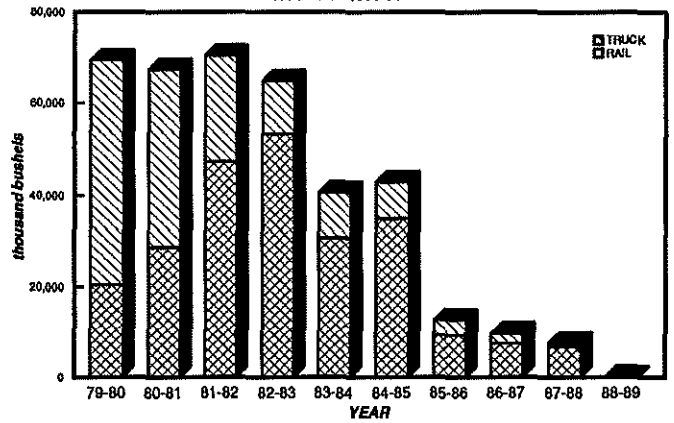
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS
BY RAIL, TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		OTHER MINN.		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
1976-77	700 (81%)	163 (19%)	5,598 (64%)	3,095 (36%)	256 (19%)	1,114 (81%)	1,966 (42%)	2,730 (58%)	8,520 (55%)	7,102 (45%)
1977-78	770 (26%)	2,223 (74%)	14,820 (39%)	23,199 (61%)	367 (11%)	2,853 (89%)	2,614 (37%)	4,433 (63%)	18,571 (36%)	32,708 (64%)
1978-79	489 (10%)	4,301 (90%)	18,830 (30%)	44,348 (70%)	465 (8%)	5,143 (92%)	1,708 (30%)	3,969 (70%)	21,492 (27%)	57,761 (73%)
1979-80	1,395 (23%)	4,759 (77%)	20,419 (29%)	49,003 (71%)	144 (2%)	8,070 (98%)	5,329 (44%)	6,822 (56%)	27,287 (28%)	68,654 (72%)
1980-81	3,621 (36%)	6,545 (64%)	28,607 (43%)	38,670 (57%)	357 (4%)	8,041 (96%)	13,859 (45%)	15,859 (55%)	45,750 (40%)	69,116 (60%)
1981-82	3,563 (53%)	3,101 (47%)	47,223 (67%)	23,168 (33%)	389 (11%)	3,090 (89%)	14,278 (46%)	16,684 (54%)	65,453 (59%)	46,043 (41%)
1982-83	11,367 (79%)	3,007 (21%)	53,207 (82%)	11,641 (18%)	6,241 (67%)	3,041 (33%)	9,286 (28%)	23,954 (72%)	80,101 (66%)	41,643 (34%)
1983-84	9,650 (82%)	2,090 (18%)	30,672 (76%)	9,888 (24%)	2,049 (59%)	1,437 (41%)	23,336 (49%)	24,325 (51%)	65,708 (64%)	37,742 (36%)
1984-85	3,617 (64%)	2,019 (36%)	34,912 (81%)	7,963 (19%)	4,080 (70%)	1,726 (30%)	6,009 (26%)	17,085 (74%)	48,618 (63%)	28,793 (37%)
1985-86	1,690 (47%)	1,932 (53%)	9,286 (73%)	3,373 (27%)	1,445 (60%)	968 (40%)	10,189 (29%)	24,657 (71%)	22,610 (42%)	30,931 (58%)
1986-87	1,925 (61%)	1,217 (39%)	7,521 (77%)	2,185 (23%)	1,430 (49%)	1,473 (51%)	8,226 (18%)	37,090 (82%)	19,101 (31%)	41,965 (69%)
1987-88	3,214 (79%)	871 (21%)	6,842 (90%)	787 (10%)	3,323 (53%)	2,925 (47%)	16,948 (37%)	28,509 (63%)	30,327 (48%)	33,092 (52%)
1988-89	1,227 (49%)	1,269 (51%)	70 (67%)	35 (33%)	2,230 (45%)	2,704 (55%)	9,017 (29%)	22,502 (71%)	12,545 (32%)	26,510 (68%)

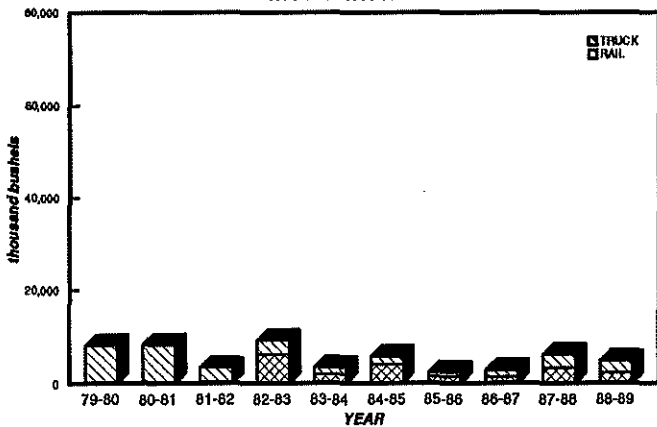
SUNFLOWERS TO MPLS
1979-80 to 1988-89



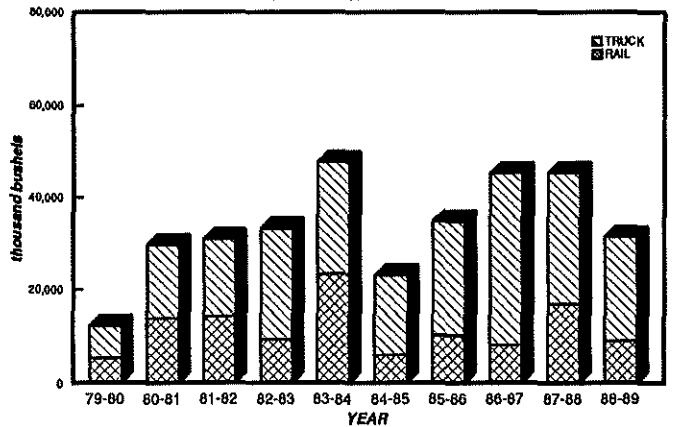
SUNFLOWERS TO D/S
1979-80 to 1988-89



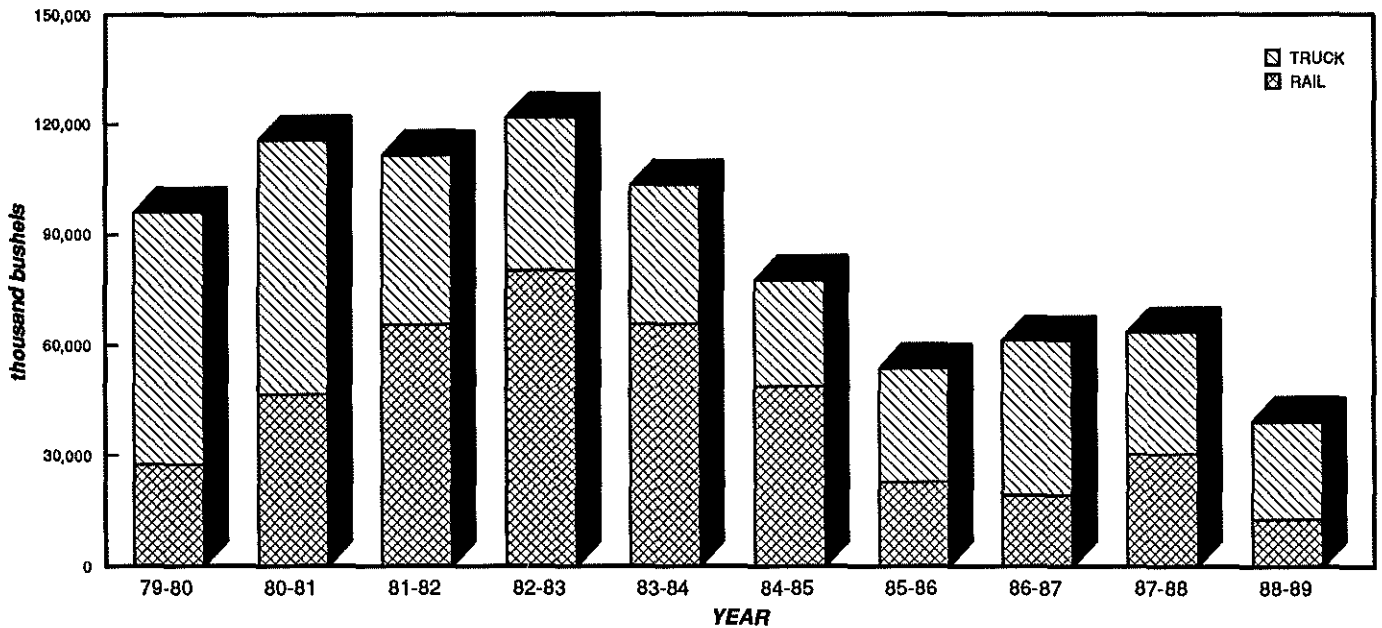
SUNFLOWERS TO WEST
1979-80 to 1988-89



SUNFLOWERS TO MISC
1979-80 to 1988-89



ALL SUNFLOWERS SHIPMENTS
1979-80 to 1988-89

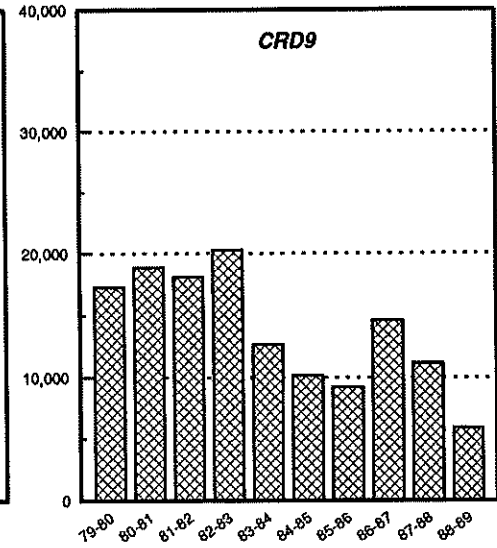
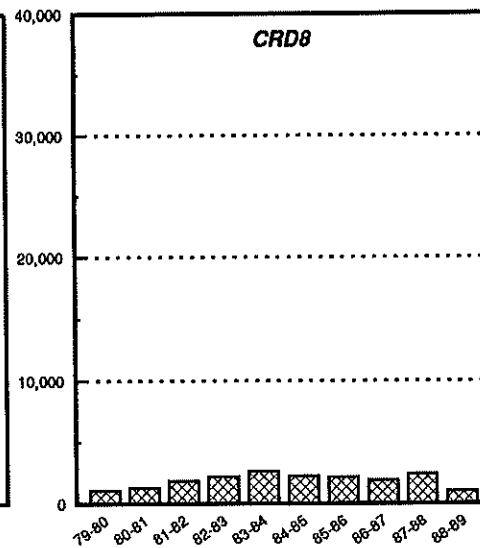
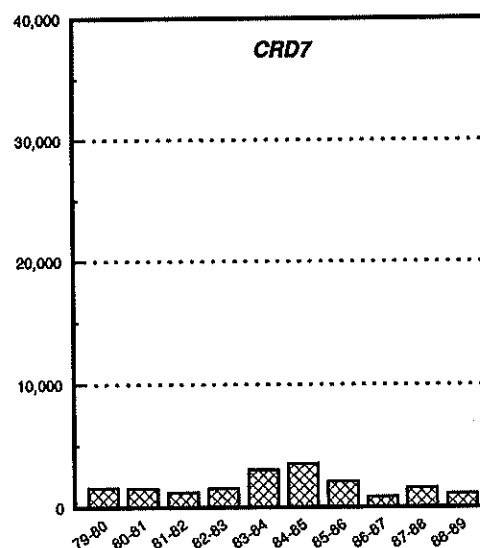
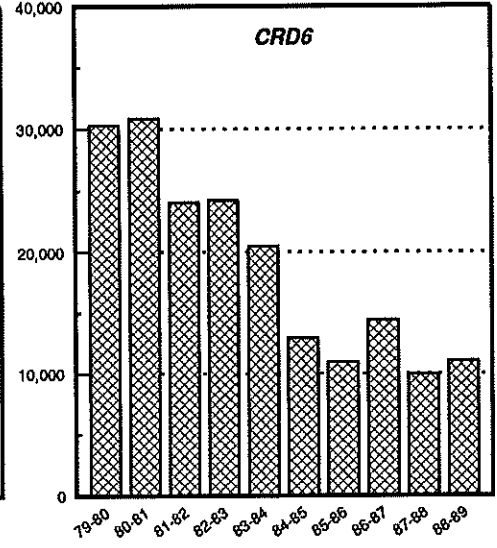
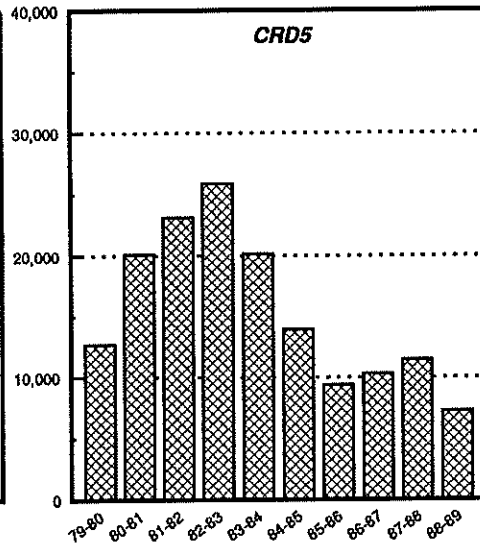
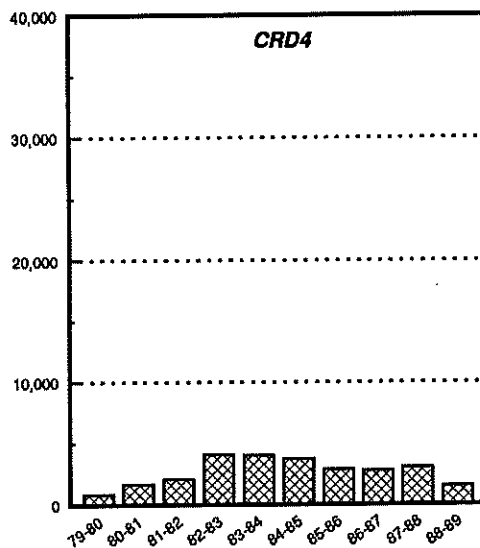
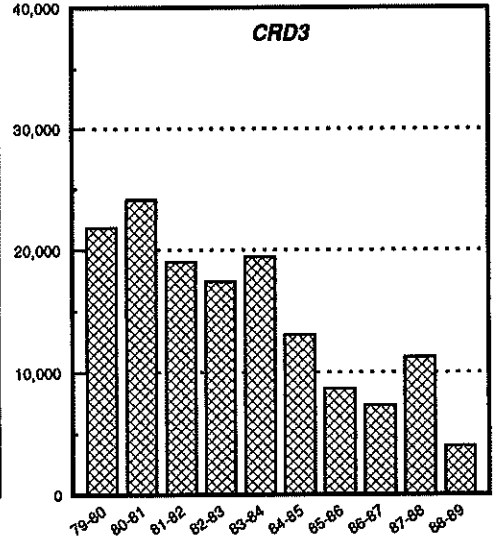
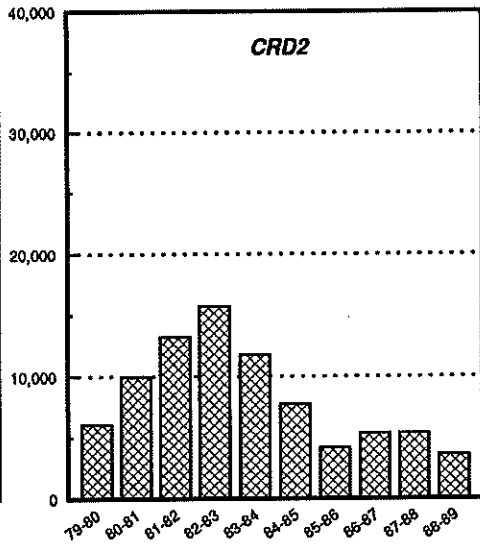
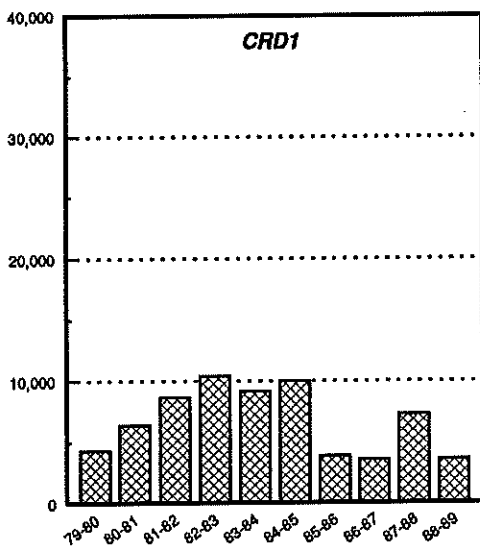


NORTH DAKOTA SUNFLOWER SEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
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%)

SUNFLOWER SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



OATS

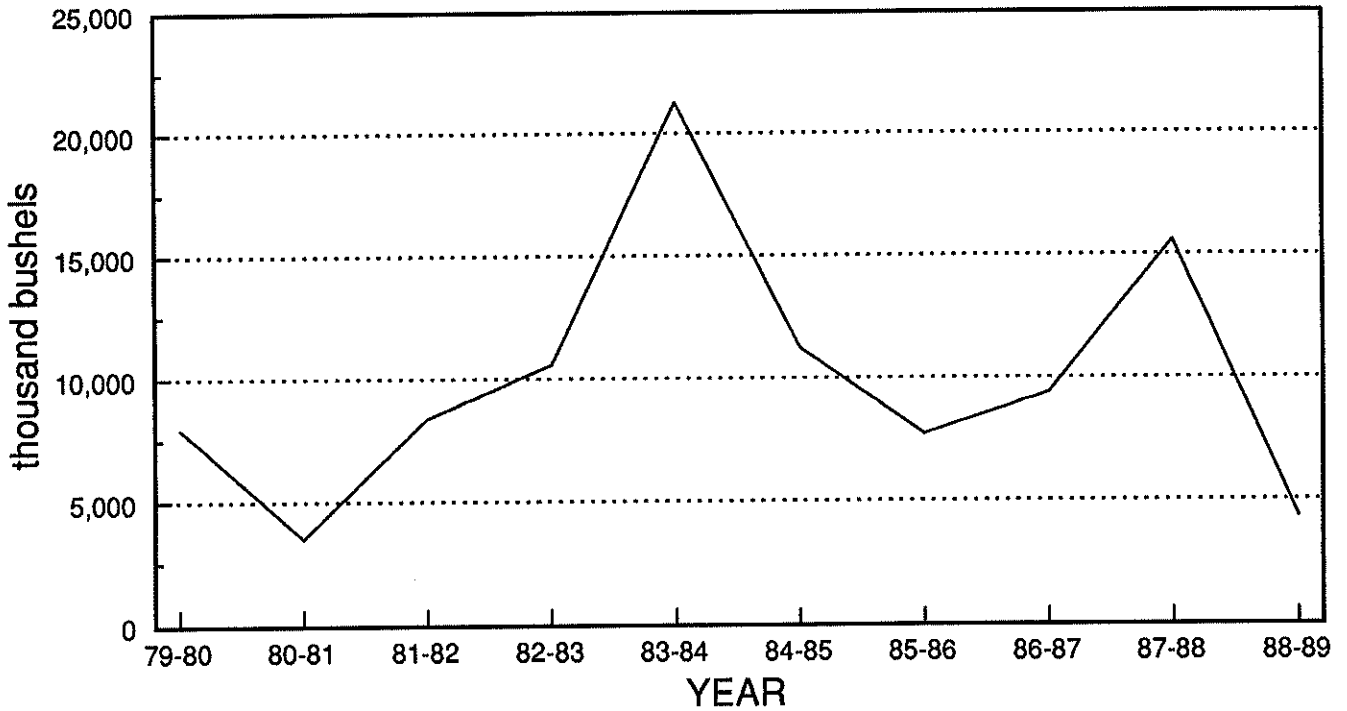
NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
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%)	4,297 (100%)

* Miscellaneous markets for oats include Midland/Southwest States (422,009 bushels or 10%), Other Minnesota/Wisconsin (354,451 bushels or 8%), North Dakota destinations (158,671 bushels or 4%), and all other miscellaneous destinations (262,139 bushels or 6%).

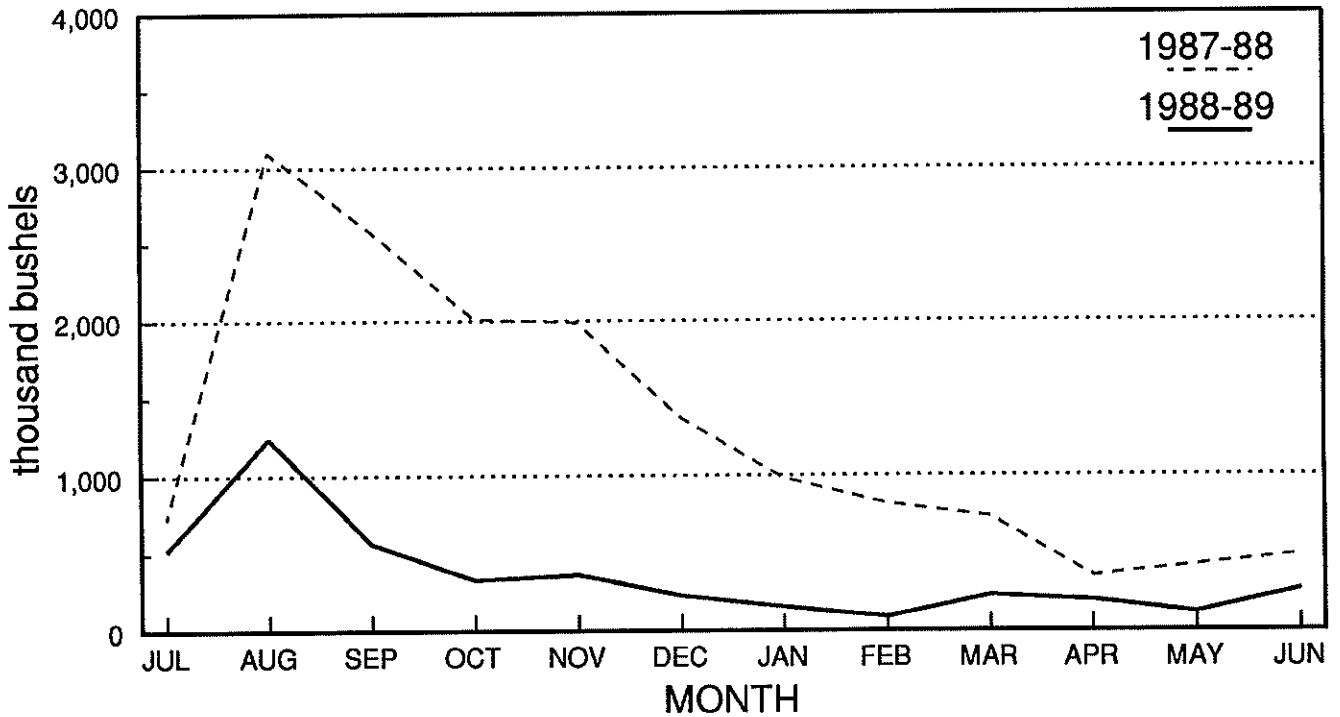
OATS SHIPMENTS

1979-80 to 1988-89



OATS SHIPMENTS

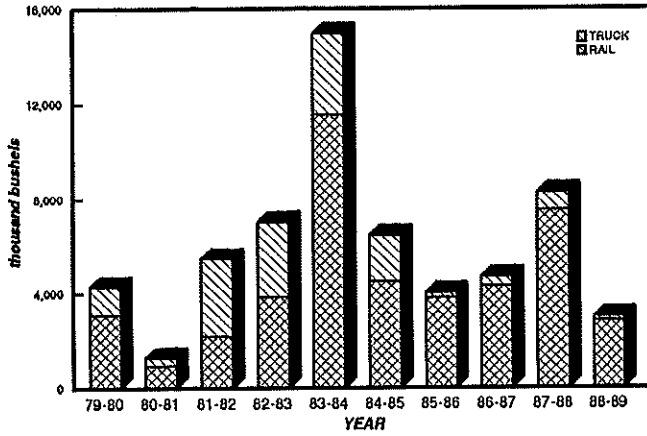
BY MONTH, 1987-88 and 1988-89



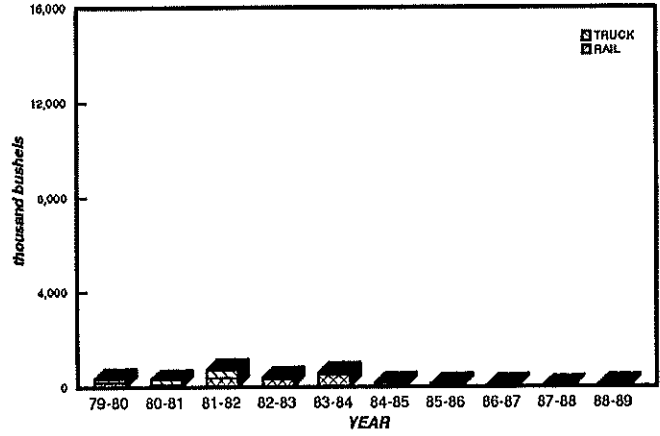
NORTH DAKOTA OATS SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
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%)	2,313 (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%)

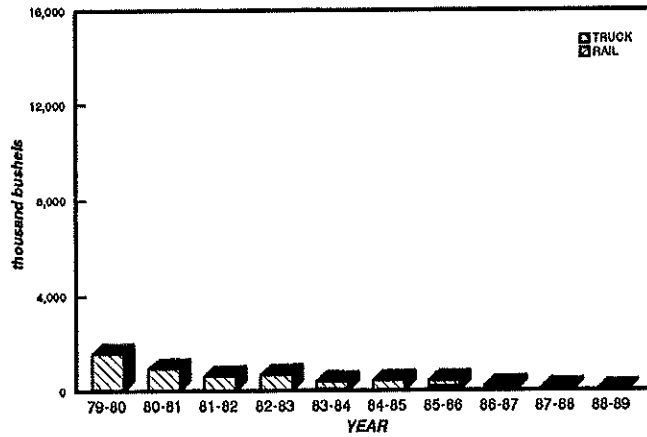
OATS TO MPLS
1979-80 to 1988-89



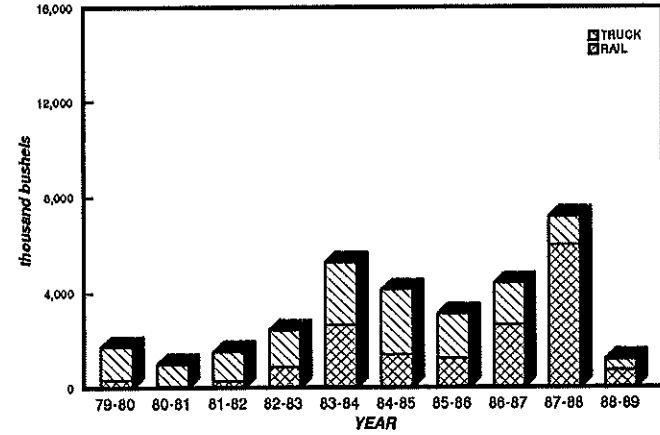
OATS TO D/S
1979-80 to 1988-89



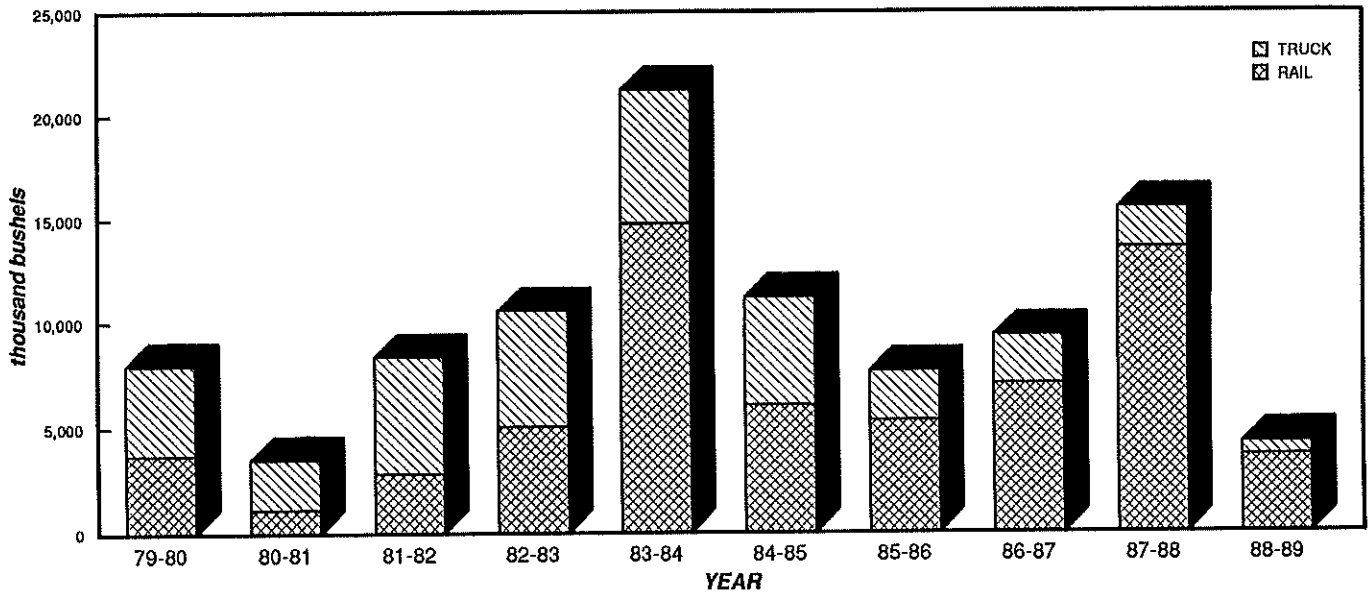
OATS TO WEST
1979-80 to 1988-89



OATS MISC
1979-80 to 1988-89



ALL OATS SHIPMENTS
1979-80 to 1988-89

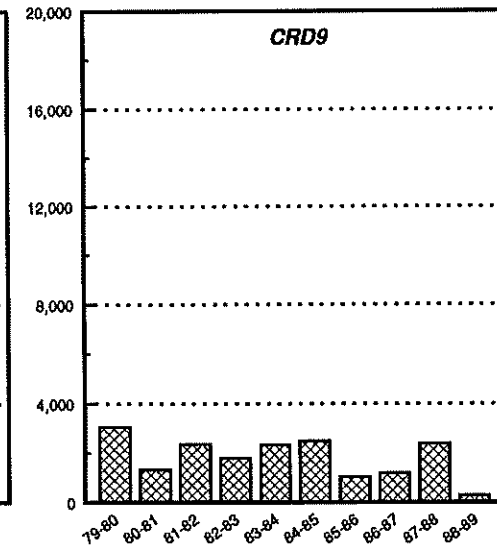
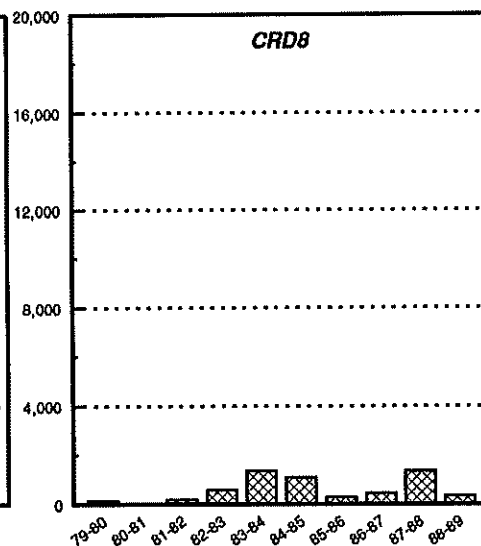
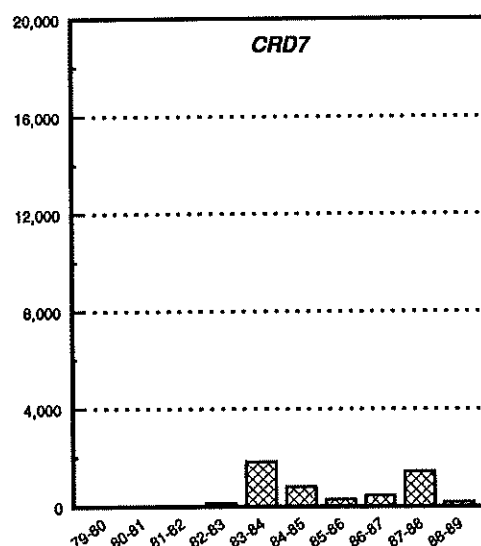
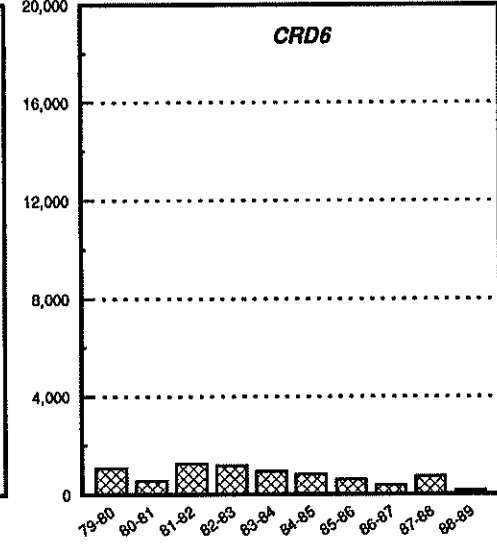
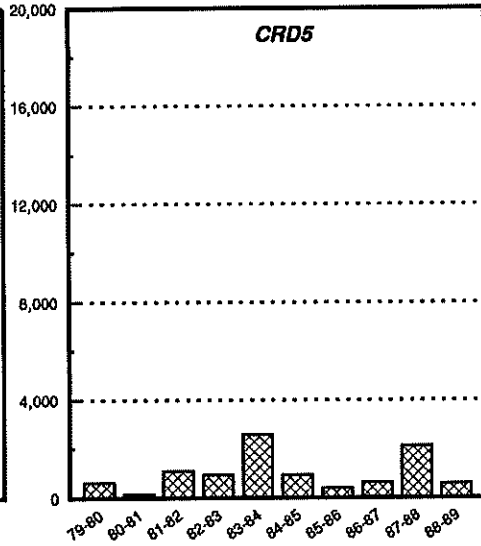
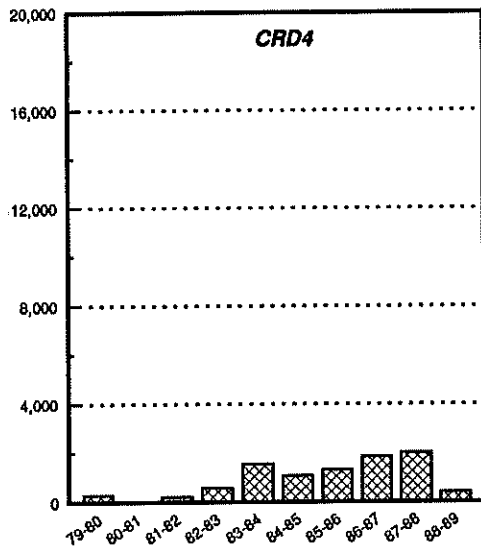
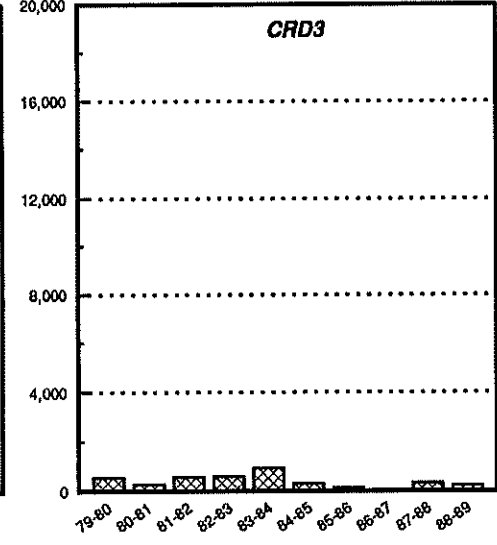
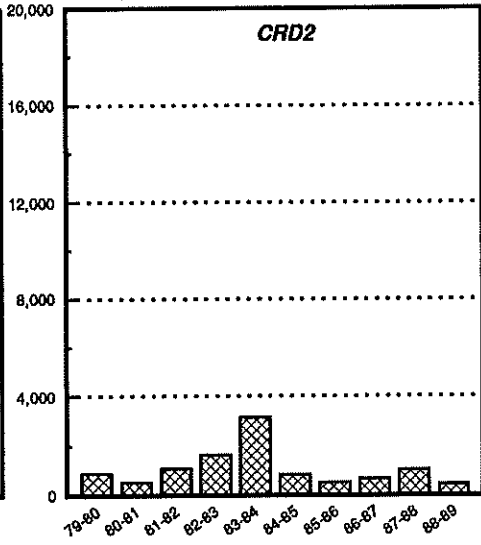
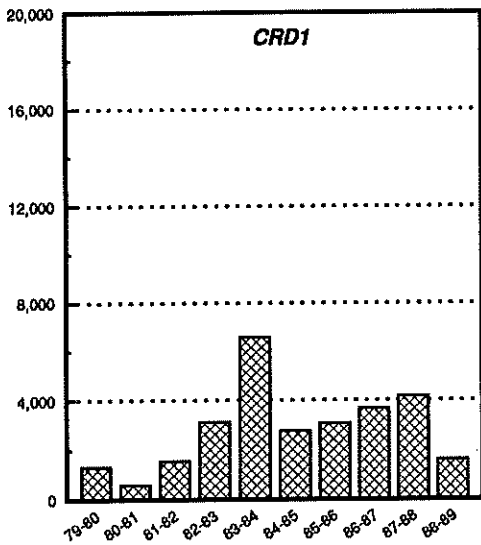


NORTH DAKOTA OATS SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
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%)	7,706 (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%)

OATS SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



SOYBEANS

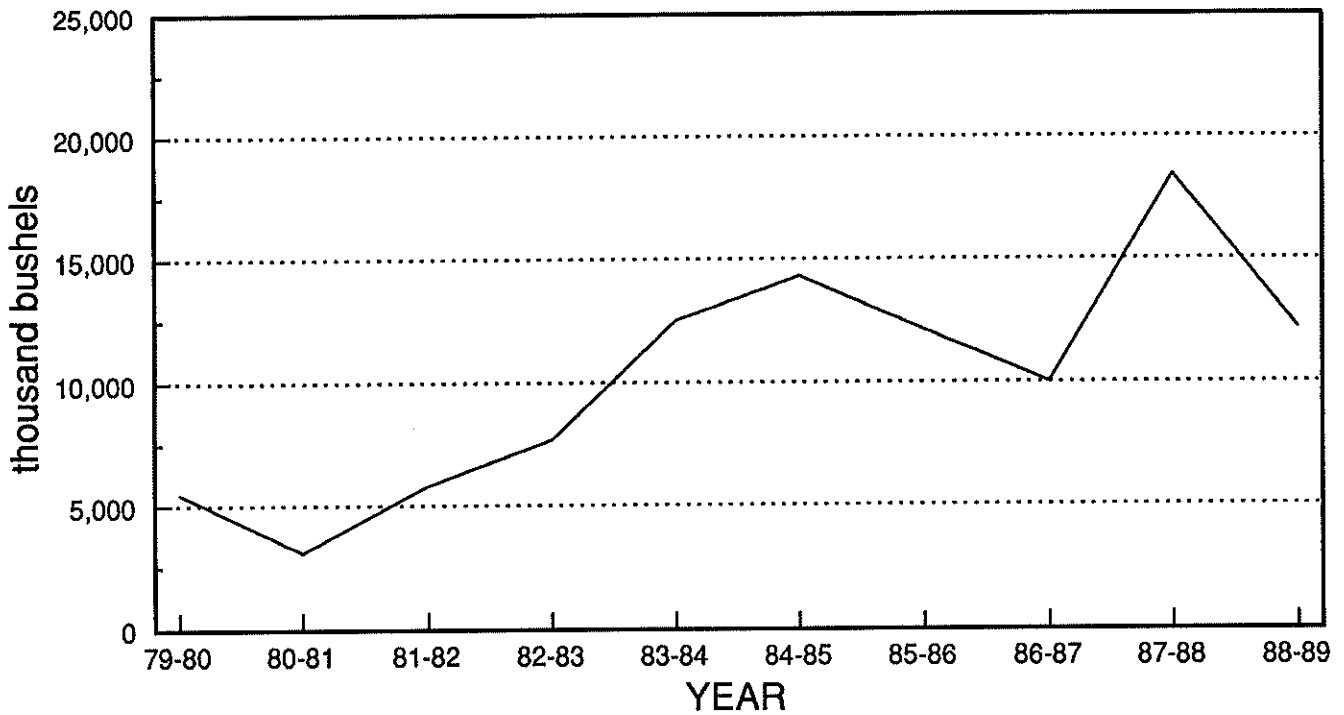
NORTH DAKOTA SOYBEAN SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
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%)	2,943 (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%)

* Miscellaneous markets for soybeans include North Dakota destinations (1,444,902 bushels or 11%), Midland/Southwest States (52,329 bushels or less than 1%), Other Minnesota/Wisconsin (377,888 bushels or 3%), and all other miscellaneous destinations (246,495 bushels or 2%).

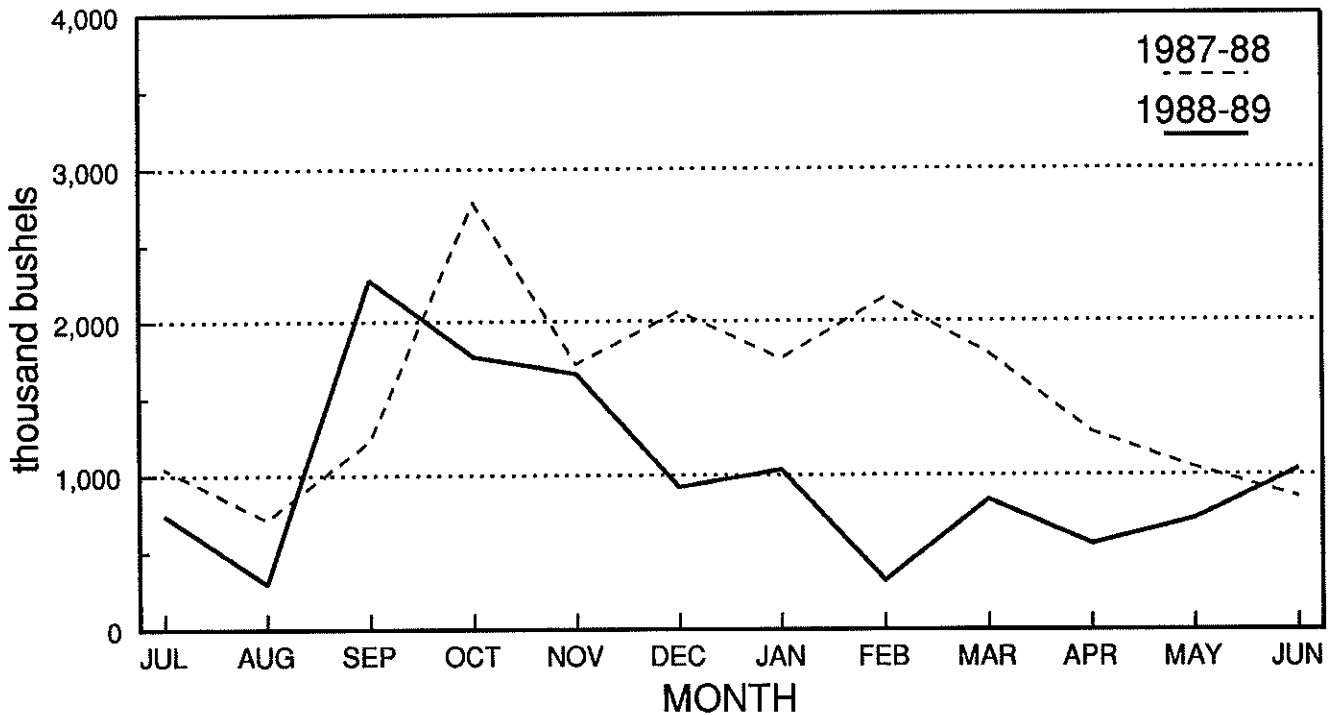
SOYBEAN SHIPMENTS

1979-80 to 1988-89



SOYBEAN SHIPMENTS

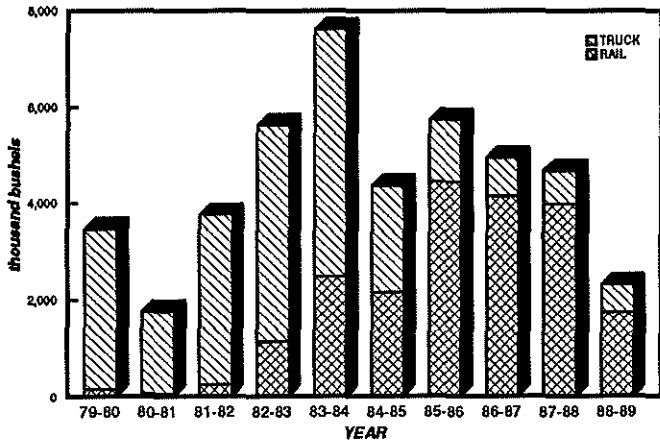
BY MONTH, 1987-88 and 1988-89



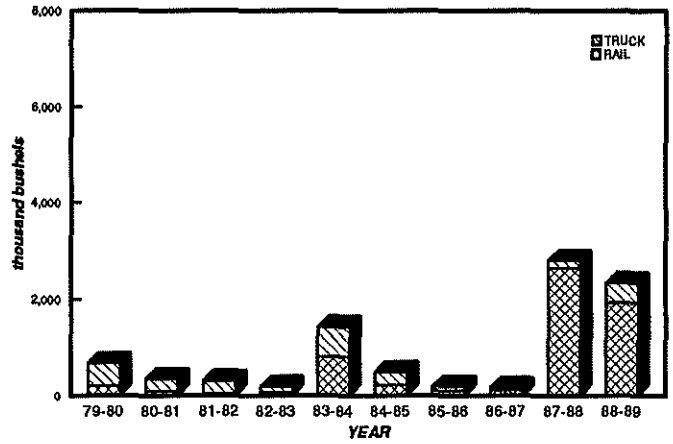
NORTH DAKOTA SOYBEAN SHIPMENTS
BY RAIL, TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
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%)

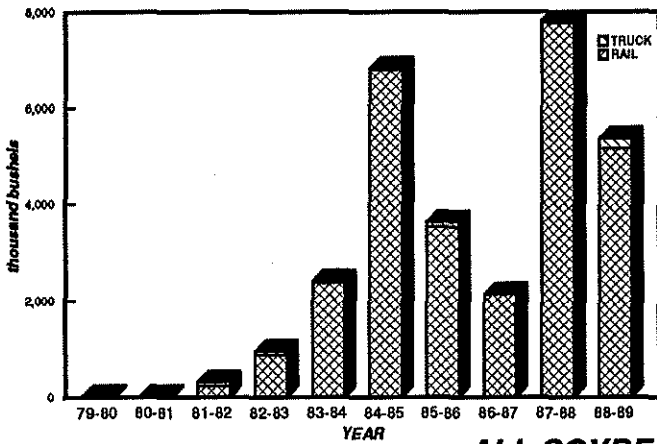
SOYBEAN TO MPLS
1979-80 to 1988-89



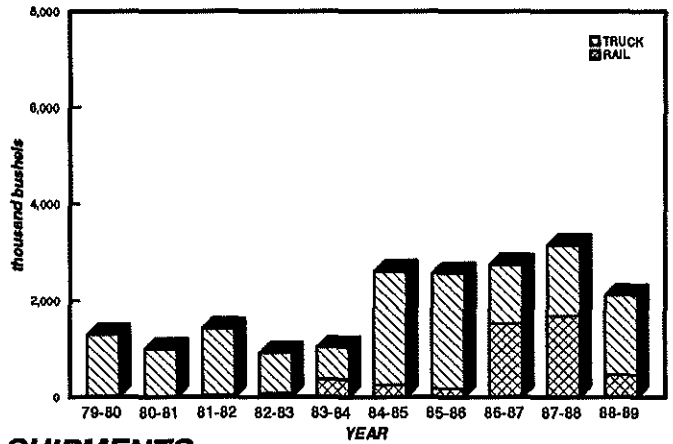
SOYBEAN TO D/S
1979-80 to 1988-89



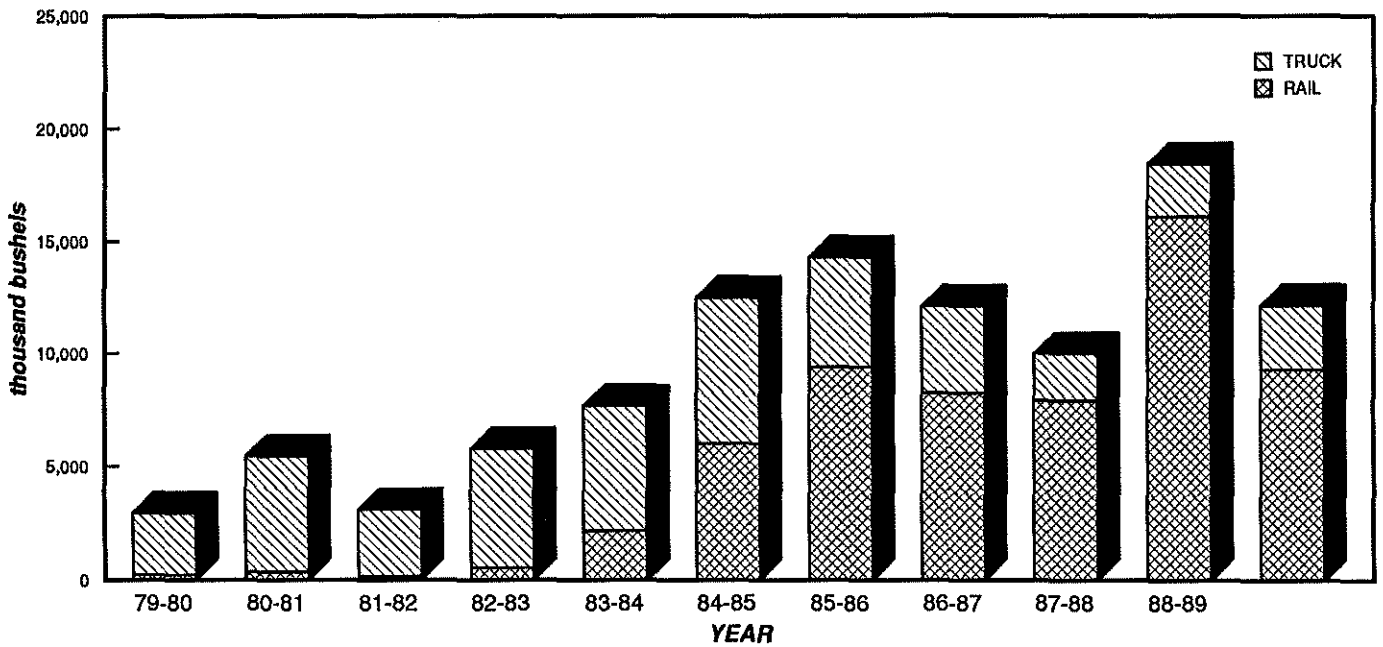
SOYBEAN TO WEST
1979-80 to 1988-89



SOYBEAN TO MISC
1979-80 to 1988-89



ALL SOYBEAN SHIPMENTS
1979-80 to 1988-89

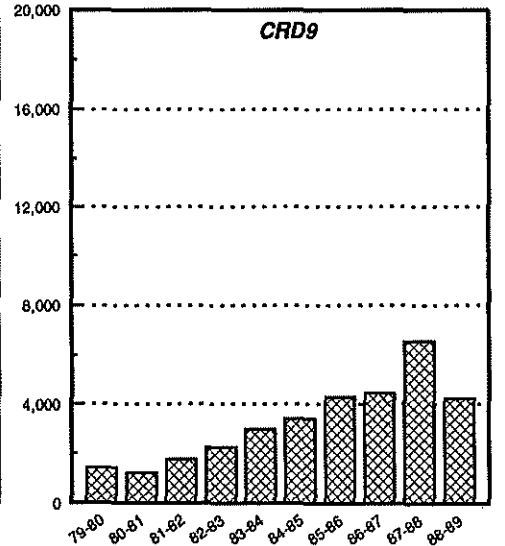
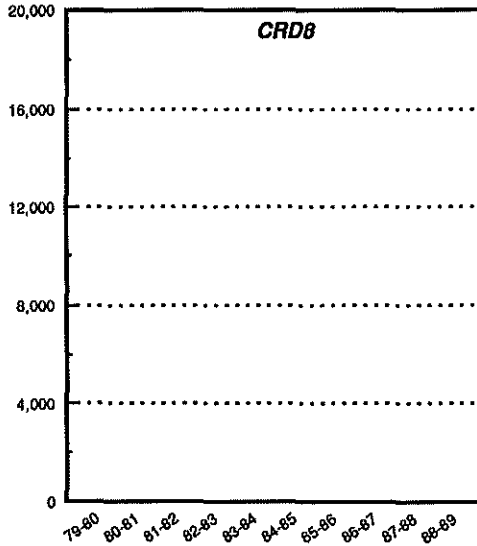
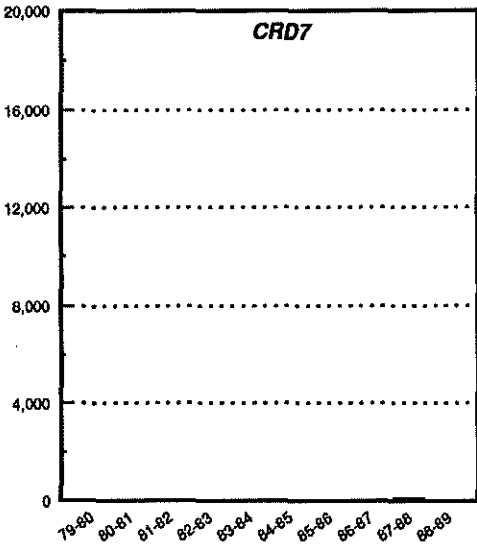
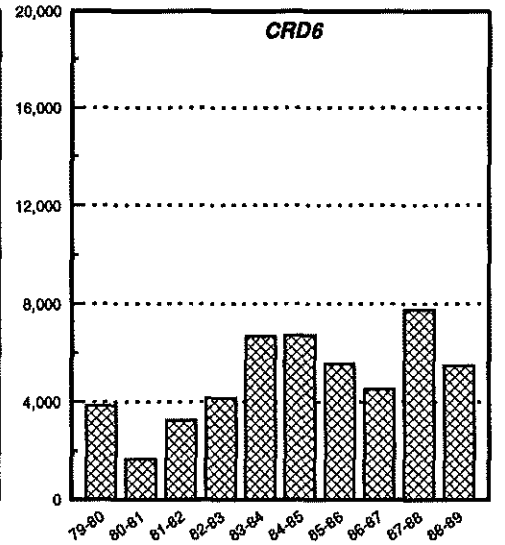
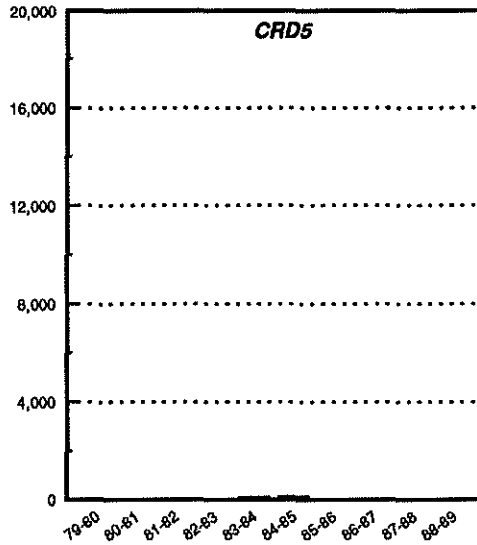
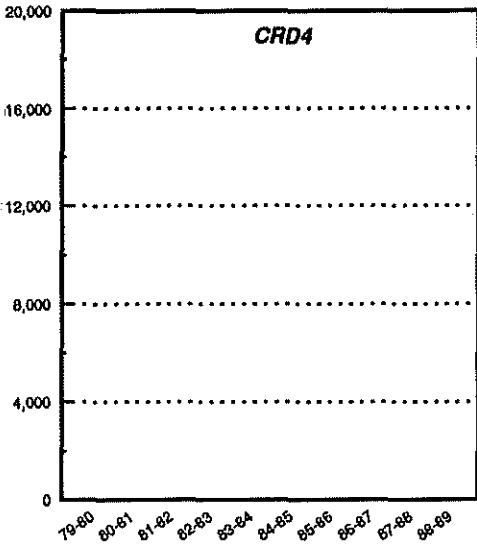
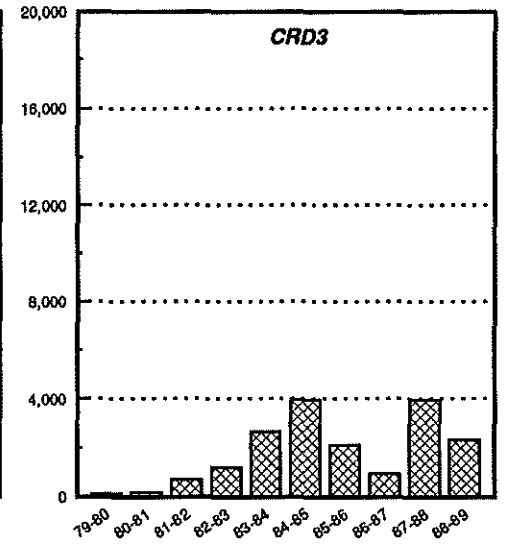
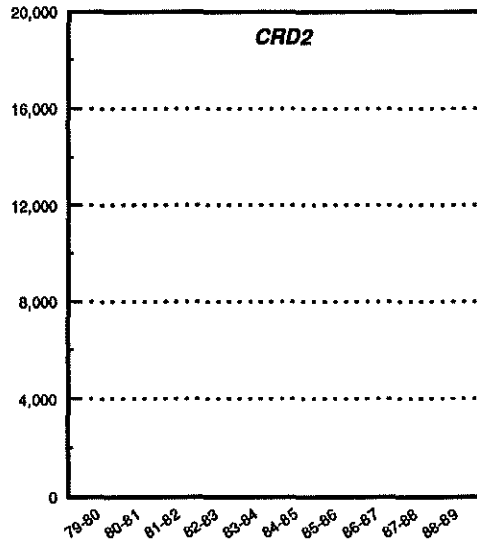
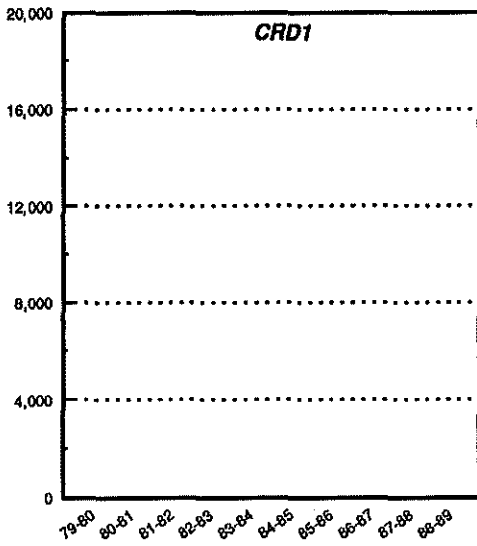


NORTH DAKOTA SOYBEAN SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
(thousand bu.)										
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%)
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%)

SOYBEAN SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



FLAX

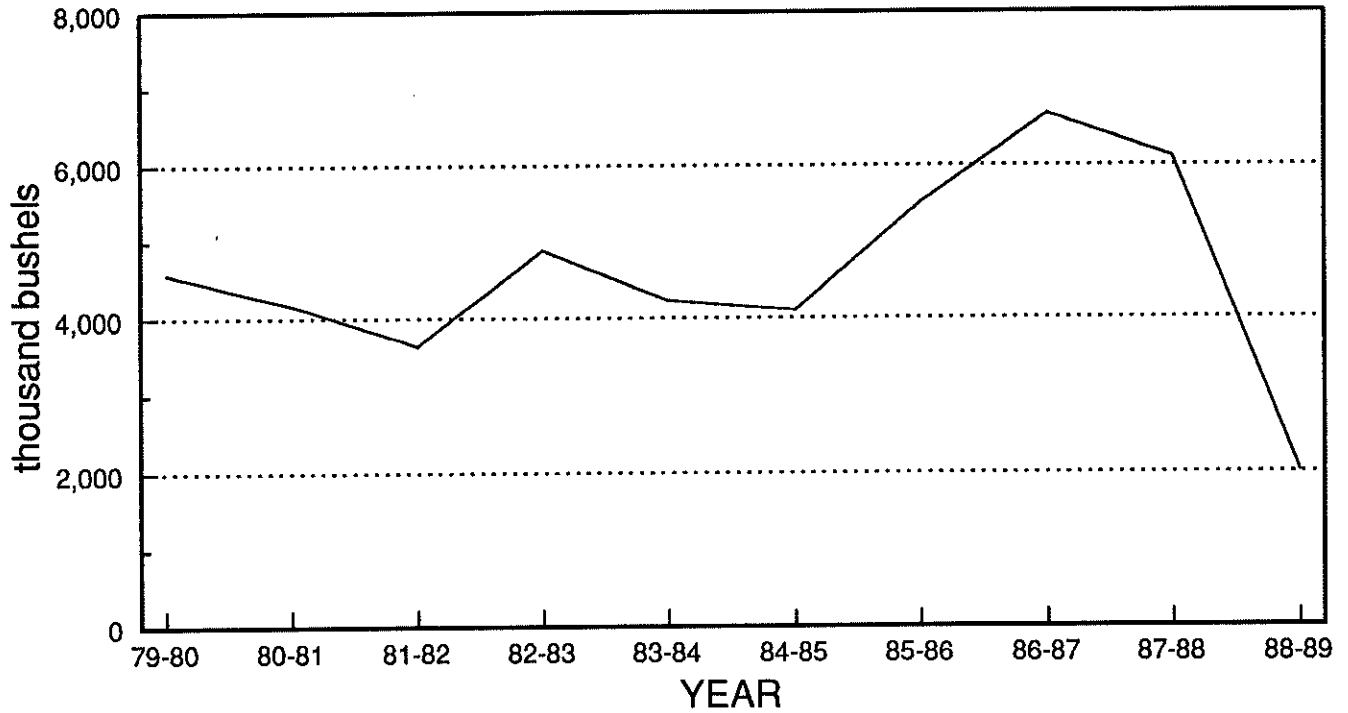
NORTH DAKOTA FLAXSEED SHIPMENTS BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
(thousand bu.)					
1976-77	4,260 (87%)	284 (6%)	59 (1%)	279 (6%)	4,882 (100%)
1977-78	4,941 (80%)	748 (12%)	72 (1%)	413 (7%)	6,174 (100%)
1978-79	4,054 (89%)	153 (3%)	21 (1%)	313 (7%)	4,541 (100%)
1979-80	4,114 (90%)	195 (4%)	10 (1%)	263 (6%)	4,582 (100%)
1980-81	3,874 (98%)	89 (2%)	14 (1%)	199 (5%)	4,176 (100%)
1981-82	3,207 (88%)	118 (3%)	4 (0%)	314 (8%)	3,644 (100%)
1982-83	1,820 (37%)	497 (10%)	8 (0%)	2,558 (52%)	4,883 (100%)
1983-84	1,598 (38%)	85 (2%)	52 (1%)	2,501 (59%)	4,235 (100%)
1984-85	1,555 (38%)	166 (4%)	121 (3%)	2,256 (55%)	4,098 (100%)
1985-86	2,171 (39%)	30 (0%)	6 (0%)	3,296 (60%)	5,503 (100%)
1986-87	1,055 (16%)	381 (6%)	19 (0%)	5,211 (78%)	6,666 (100%)
1987-88	1,202 (20%)	17 (0%)	640 (10%)	4,251 (70%)	6,110 (100%)
1988-89	214 (11%)	0 (0%)	73 (4%)	1,723 ^a (86%)	2,013 (100%)

^a Miscellaneous markets for flaxseed include North Dakota destinations (649,626 bushels or 32%), Other Minnesota/Wisconsin (848,563 bushels or 42%), Midland/Southwest States (74,919 bushels or 4%), and all other miscellaneous destinations (150,829 bushels or 7%).

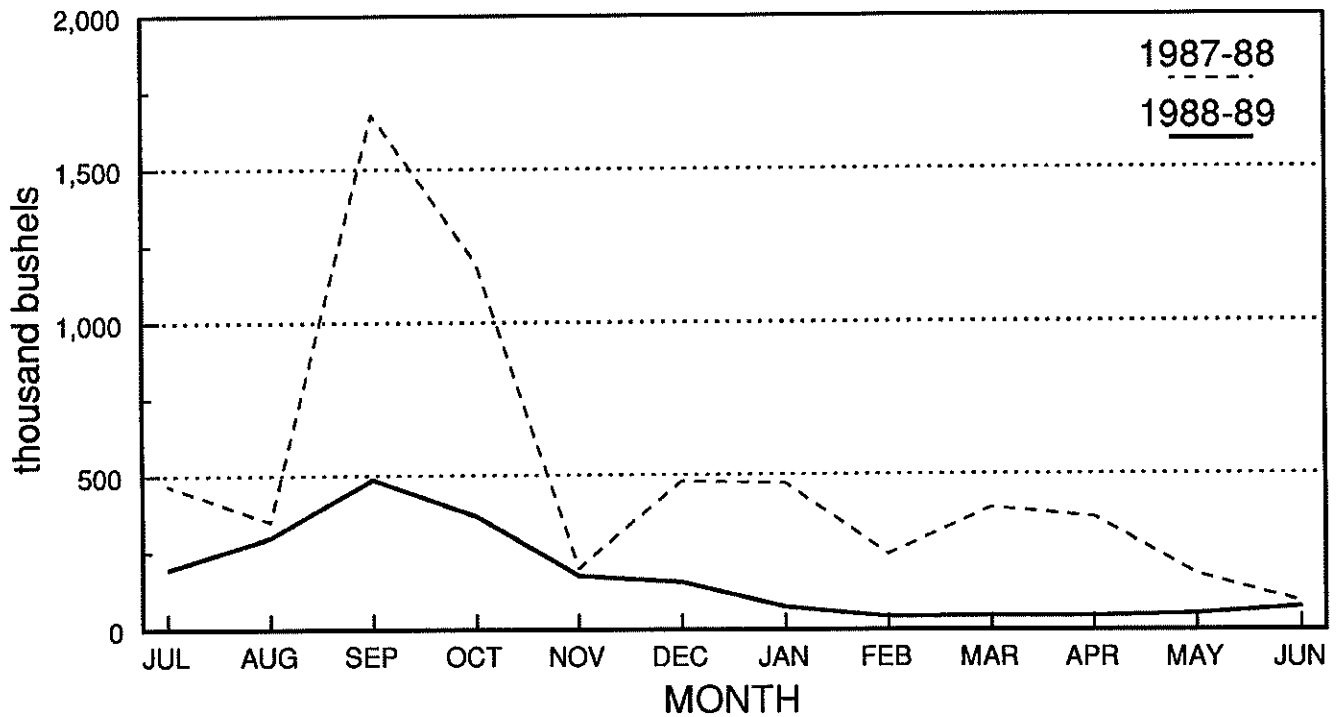
FLAX SHIPMENTS

1979-80 to 1988-89



FLAX SHIPMENTS

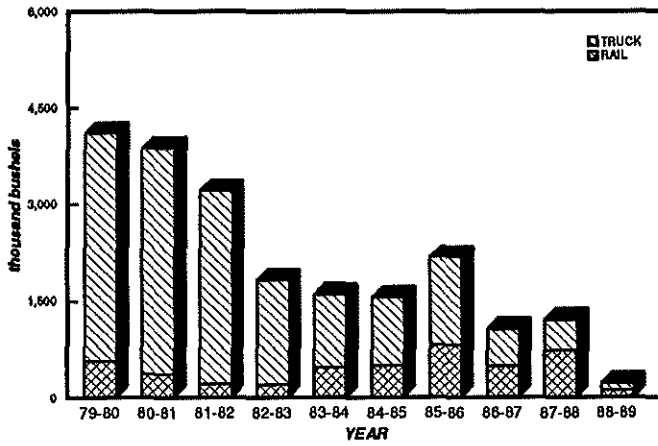
BY MONTH, 1987-88 and 1988-89



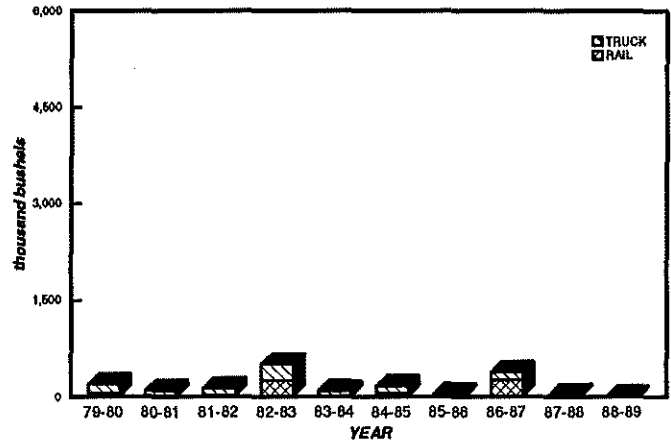
NORTH DAKOTA FLAXSEED SHIPMENTS
BY RAIL, TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1976-77	1,046 (25%)	3,214 (75%)	102 (36%)	183 (64%)	0 (0%)	59 (100%)	206 (74%)	74 (26%)	1,354 (28%)	3,530 (72%)
1977-78	987 (20%)	3,954 (80%)	226 (30%)	522 (70%)	0 (0%)	72 (100%)	74 (18%)	339 (82%)	1,287 (21%)	4,887 (79%)
1978-79	541 (13%)	3,513 (87%)	18 (12%)	135 (88%)	2 (10%)	19 (90%)	32 (10%)	281 (90%)	593 (15%)	3,948 (85%)
1979-80	555 (13%)	3,558 (87%)	53 (27%)	141 (73%)	0 (0%)	10 (100%)	45 (17%)	218 (83%)	653 (14%)	3,927 (86%)
1980-81	358 (9%)	3,516 (91%)	7 (8%)	82 (92%)	0 (0%)	14 (100%)	100 (50%)	99 (50%)	465 (11%)	3,711 (89%)
1981-82	203 (6%)	3,004 (94%)	10 (9%)	108 (91%)	0 (0%)	4 (100%)	15 (5%)	299 (95%)	228 (6%)	3,415 (94%)
1982-83	184 (10%)	1,635 (90%)	240 (48%)	257 (52%)	0 (0%)	8 (100%)	325 (13%)	2,233 (87%)	749 (15%)	4,134 (92%)
1983-84	455 (29%)	1,143 (71%)	5 (6%)	80 (94%)	13 (25%)	39 (75%)	311 (12%)	2,190 (88%)	785 (19%)	3,451 (81%)
1984-85	480 (31%)	1,075 (69%)	51 (31%)	114 (69%)	95 (78%)	27 (22%)	370 (16%)	1,887 (84%)	996 (24%)	3,103 (76%)
1985-86	813 (37%)	1,358 (63%)	15 (50%)	15 (50%)	0 (0%)	6 (100%)	939 (29%)	2,356 (71%)	1,768 (32%)	3,736 (68%)
1986-87	478 (45%)	577 (55%)	253 (66%)	128 (34%)	0 (0%)	19 (100%)	2,165 (42%)	3,046 (58%)	2,897 (43%)	3,769 (57%)
1987-88	721 (60%)	481 (40%)	12 (71%)	5 (29%)	117 (18%)	523 (82%)	1,873 (44%)	2,378 (56%)	2,723 (45%)	3,387 (55%)
1988-89	101 (47%)	112 (53%)	0 (0%)	1 (100%)	42 (57%)	31 (43%)	414 (24%)	1,309 (76%)	558 (28%)	1,454 (72%)

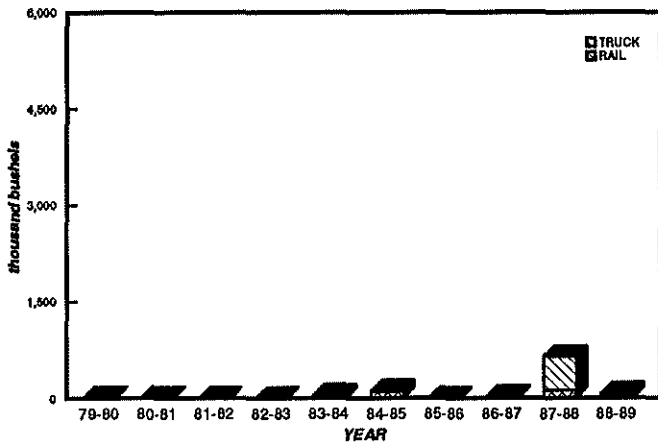
FLAX TO MPLS
1979-80 to 1988-89



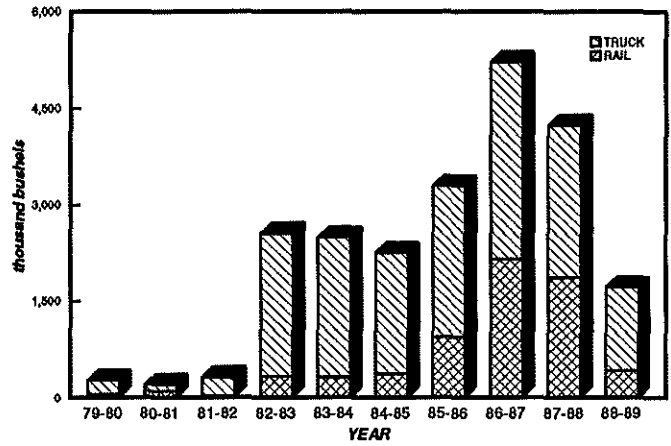
FLAX TO D/S
1979-80 to 1988-89



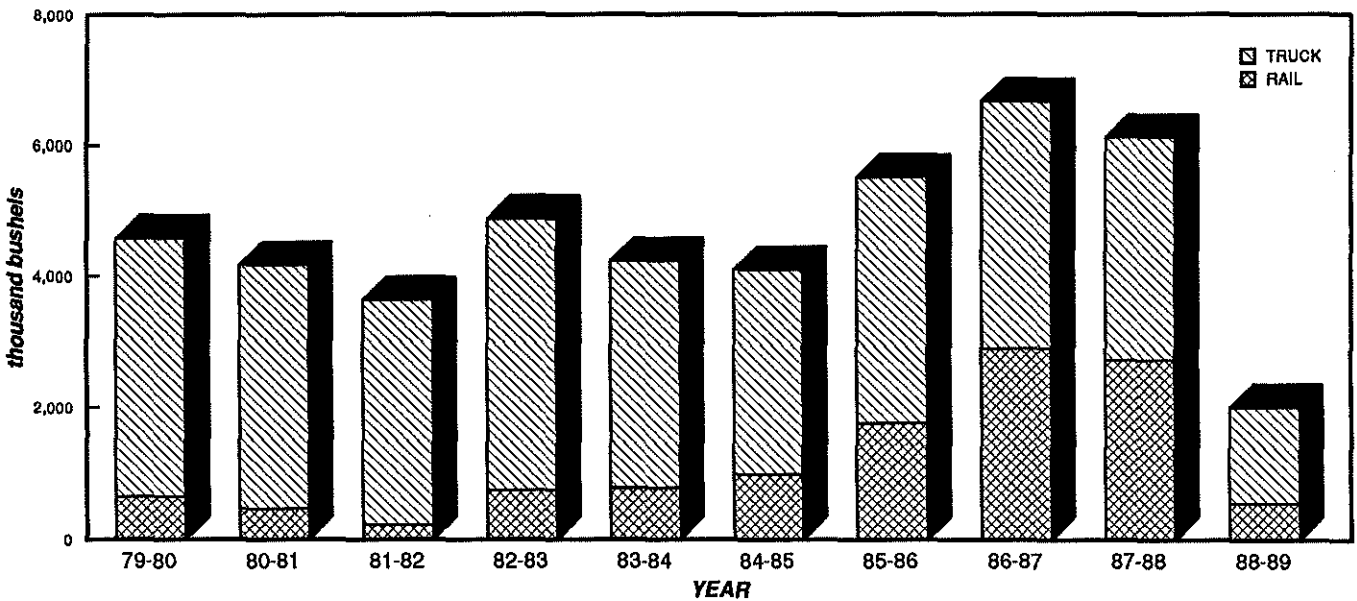
FLAX TO WEST
1979-80 to 1988-89



FLAX TO MISC
1979-80 to 1988-89



ALL FLAX SHIPMENTS
1979-80 to 1988-89

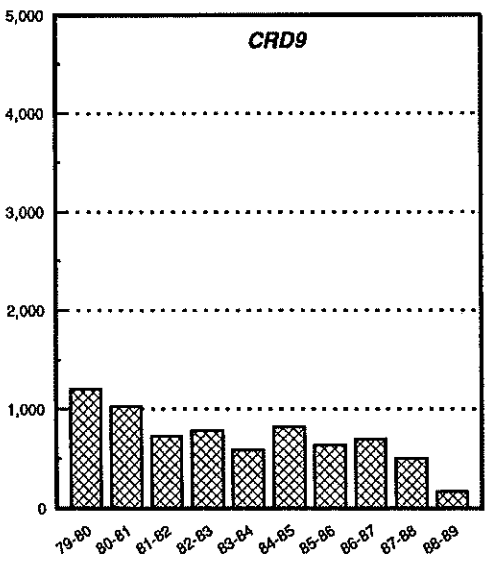
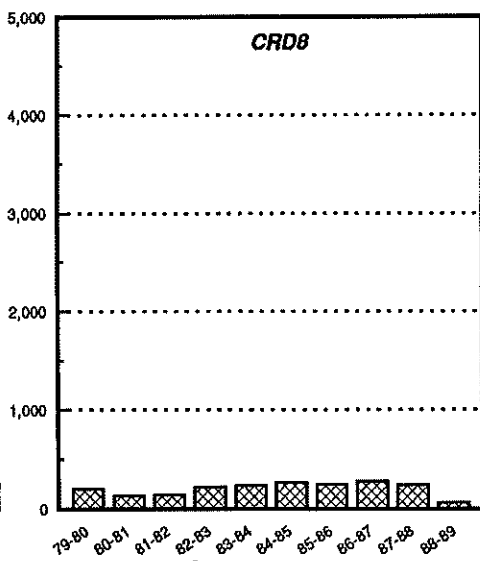
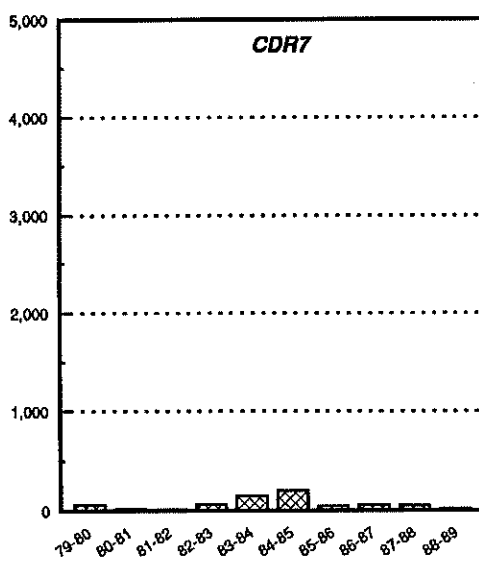
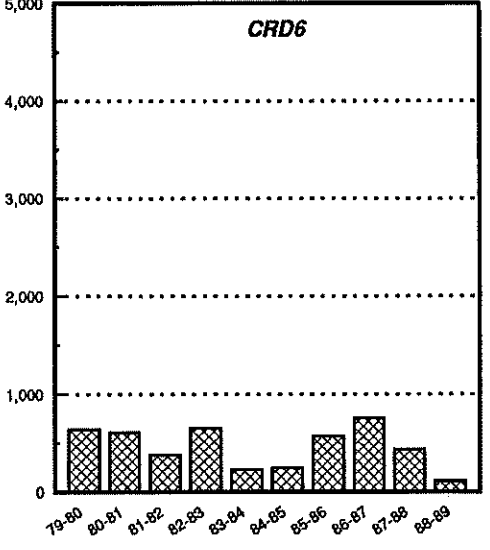
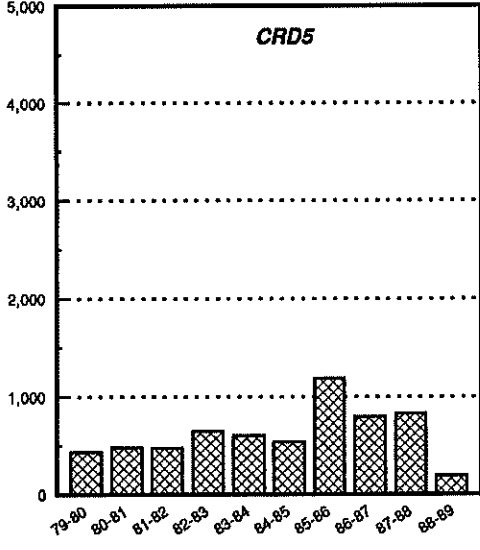
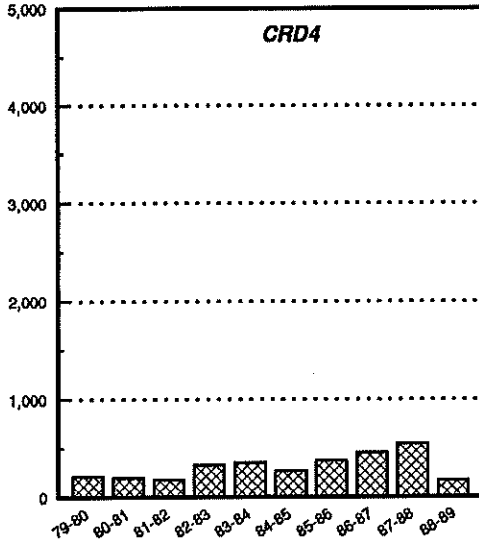
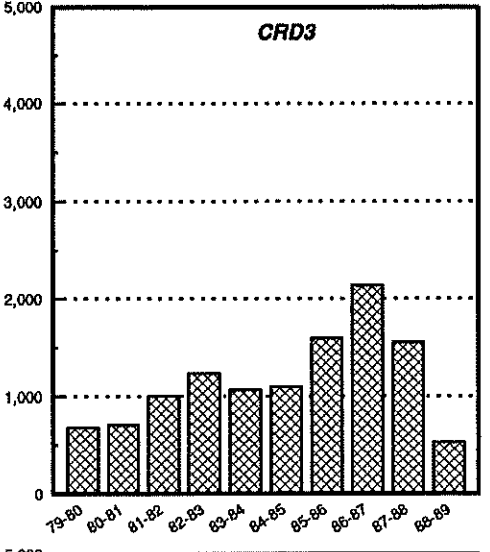
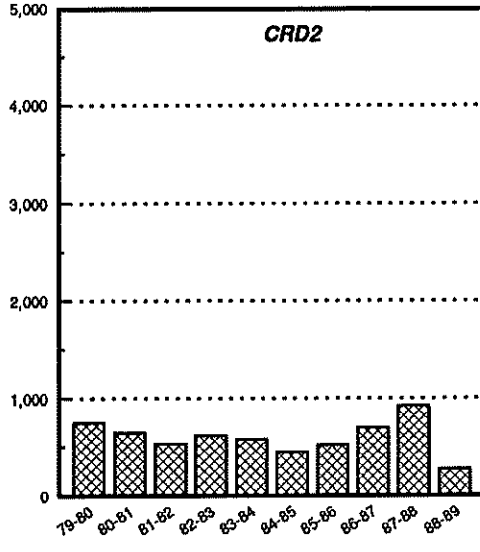
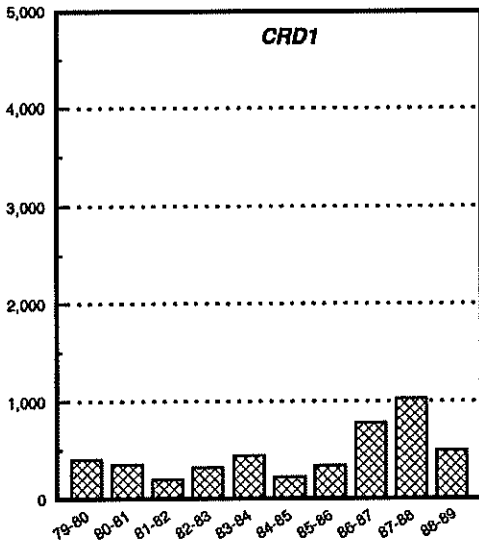


NORTH DAKOTA FLAXSEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
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%)	4,883 (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%)	282 (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%)

FLAX SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



CORN

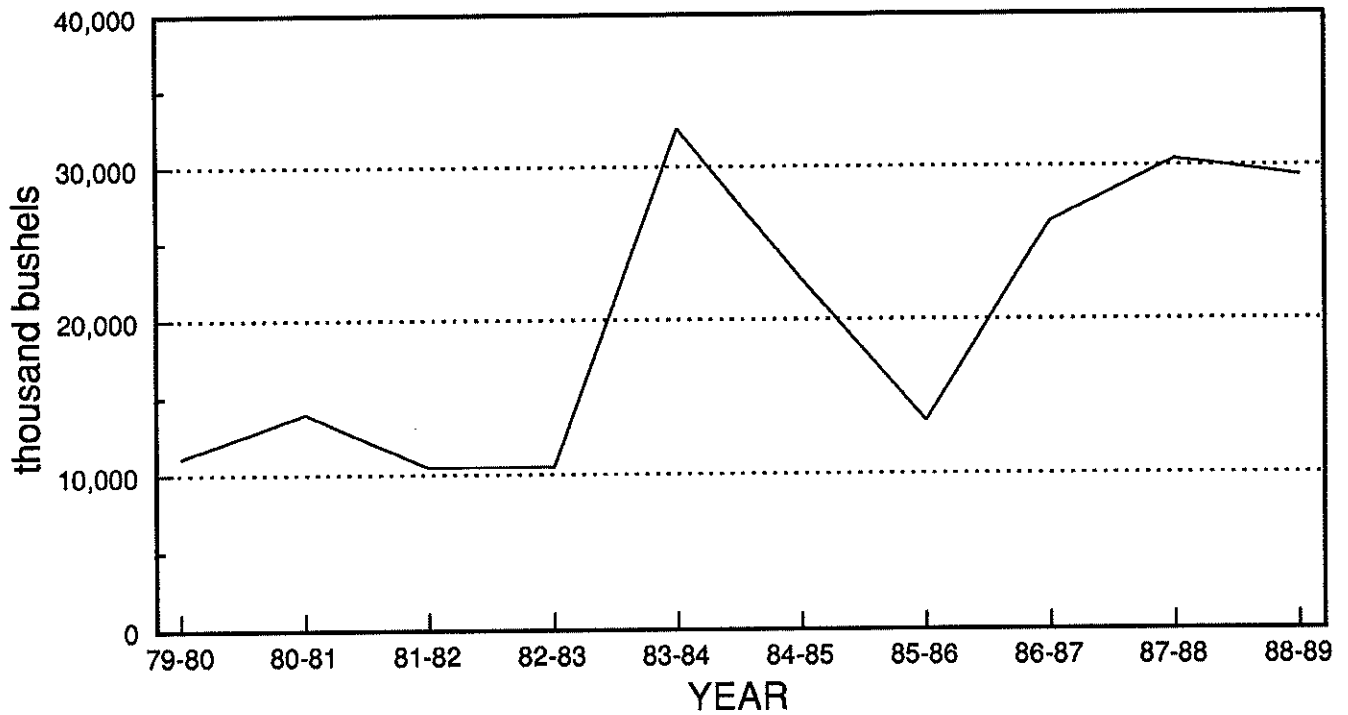
NORTH DAKOTA CORN SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
(thousand bu.)					
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%)	13,942 (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%)	30,425 (100%)
1988-89	603 (2%)	1,741 (6%)	21,861 (74%)	5,138 ^a (18%)	29,344 (100%)

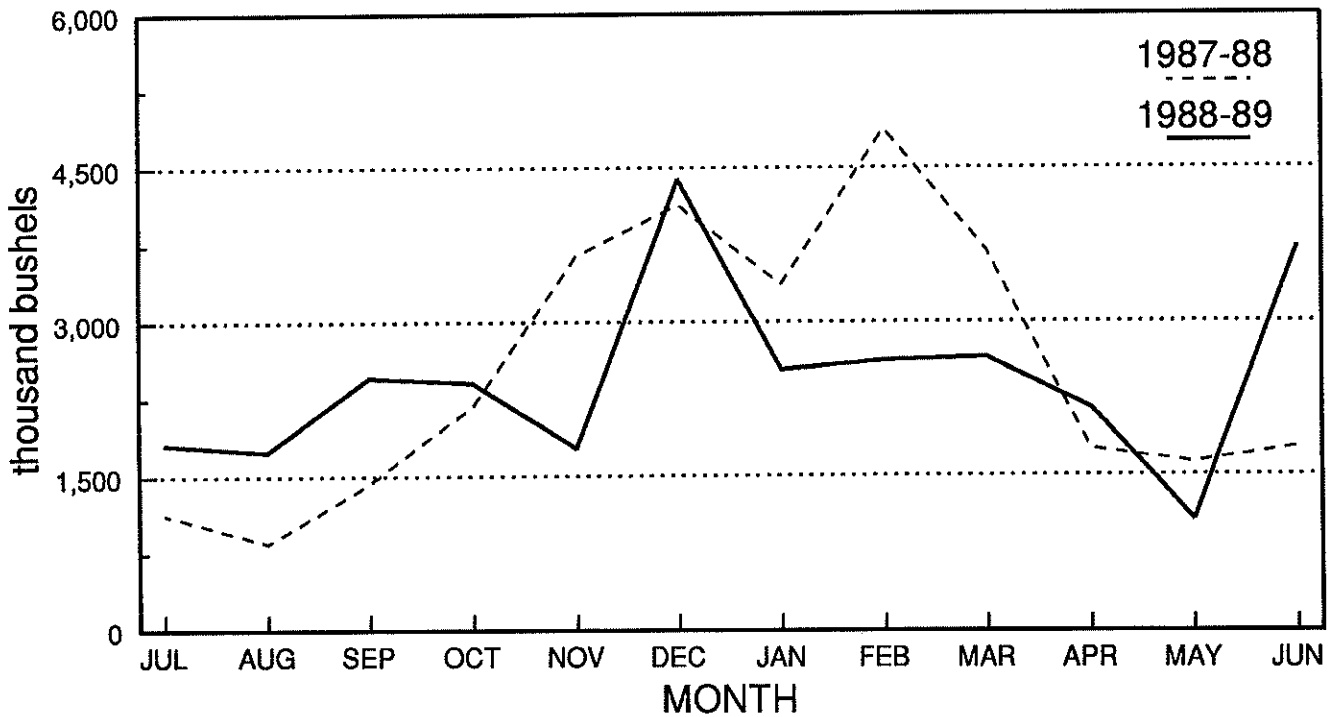
^a Miscellaneous markets for corn include Midland/Southwest States (1,347,642 bushels or 5%), North Dakota destinations (595,206 bushels or 2%), Other Minnesota/Wisconsin (274,507 bushels or less than 1%), and all other miscellaneous destinations (2,921,283 bushels or 10%).

CORN SHIPMENTS

1979-80 to 1988-89



CORN SHIPMENTS BY MONTH, 1987-88 and 1988-89

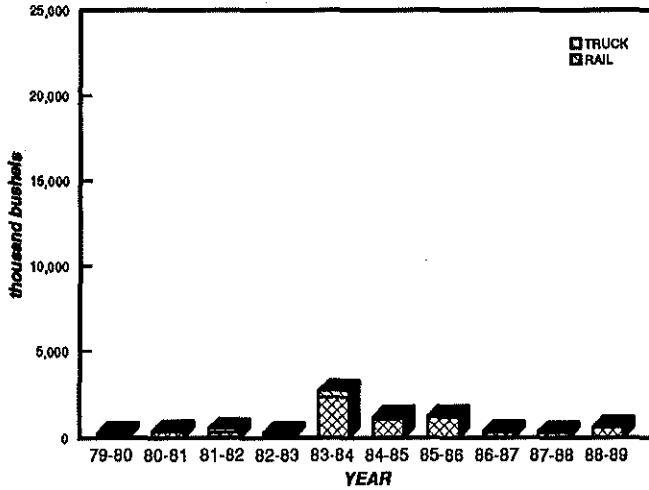


NORTH DAKOTA CORN SHIPMENTS
BY RAIL, TRUCK AND DESTINATION

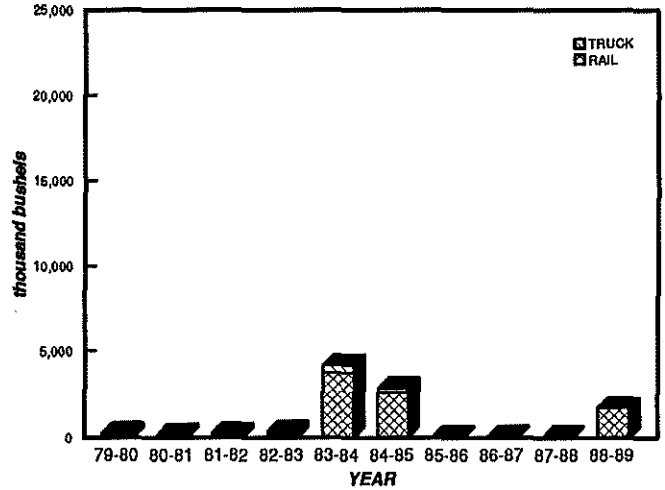
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1977-78*	0	0	0	0	0	0	0	0	0	0
1978-79	132 (84%)	25 (16%)	117 (45%)	142 (55%)	6,233 (98%)	140 (2%)	785 (77%)	234 (23%)	7,267 (93%)	541 (7%)
1979-80	221 (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%)	2,149 (98%)	36 (2%)	2,175 (42%)	2,962 (58%)	25,972 (89%)	3,371 (11%)

*Prior to 1978-79, corn movements were reported as "miscellaneous".

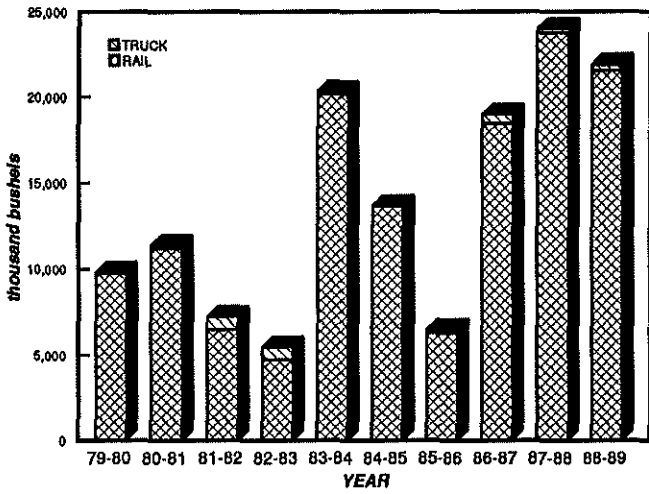
CORN TO MPLS
1979-80 to 1988-89



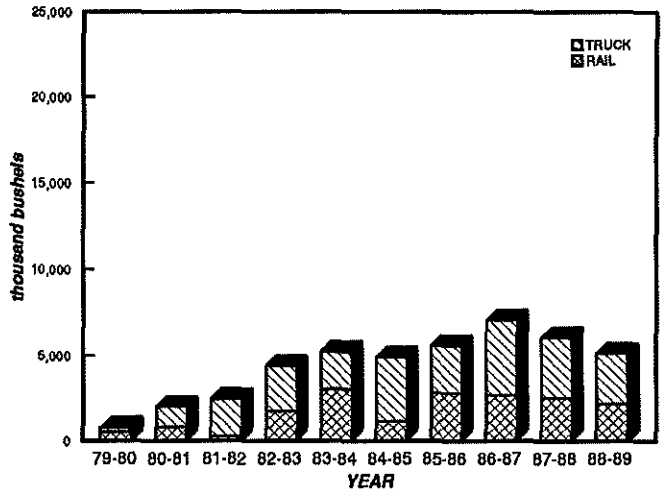
CORN TO D/S
1979-80 to 1988-89



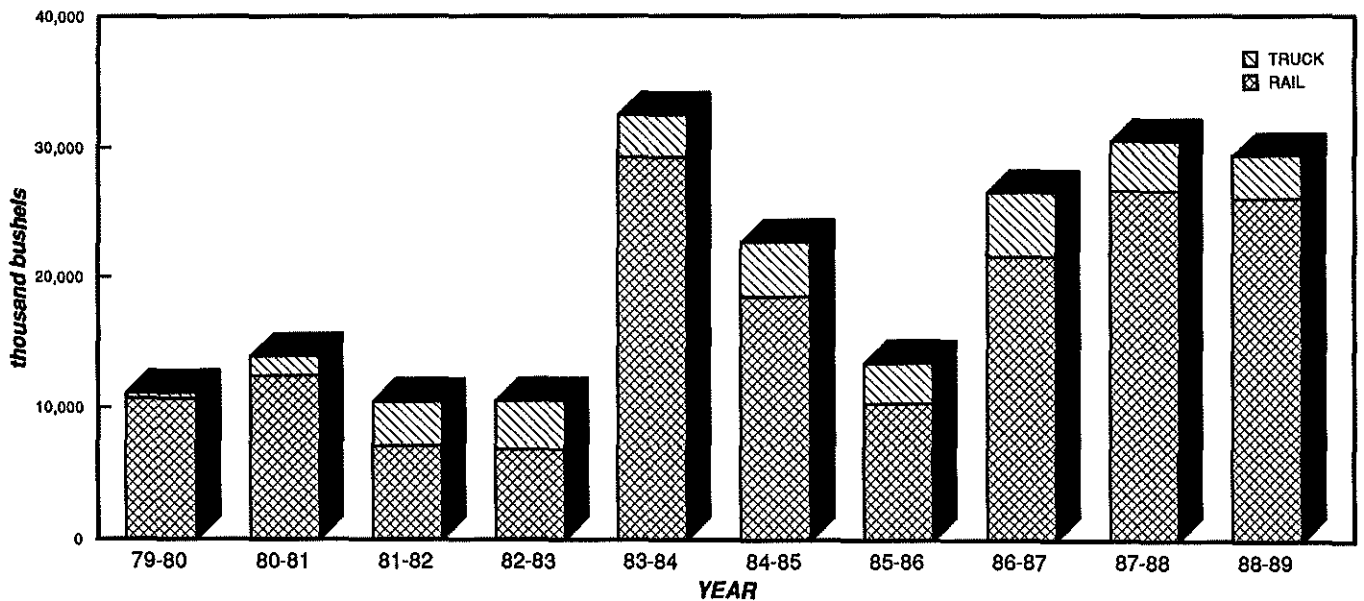
CORN TO WEST
1979-80 to 1988-89



CORN TO MISC
1979-80 to 1988-89



ALL CORN SHIPMENTS
1979-80 to 1988-89



NORTH DAKOTA CORN SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
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%)

*Prior to 1978-79, corn movements were reported as "miscellaneous".

CORN SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)

