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Great Plains
Transportation Institute
Research, Education, Cooperation, Communication

NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION
STATISTICS
1987-88

UGPTI Report No. 71
December, 1988

Barry M. Olsen
Research Assistant

Daniel L. Zink
Transportation Economist

North Dakota State University • Fargo 58105

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

NORTH DAKOTA GRAIN AND OILSEED
TRANSPORTATION STATISTICS
1987-88

UGPTI Report No. 71
December, 1988

Barry M. Olsen
Research Assistant

and

Daniel L. Zink
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in cooperation with

NORTH DAKOTA WHEAT COMMISSION
BISMARCK, NORTH DAKOTA

and

NORTH DAKOTA PUBLIC SERVICE COMMISSION
BISMARCK, NORTH DAKOTA

PREFACE

The 1987-88 North Dakota Grain and Oilseed Transportation Statistics Report was prepared by Barry M. Olsen, 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 or sample of country elevators.

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**NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS
1987-88**

Objective of Report

This 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 objective 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, 1987 to June, 1988, 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, 1987 through June, 1988, 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.

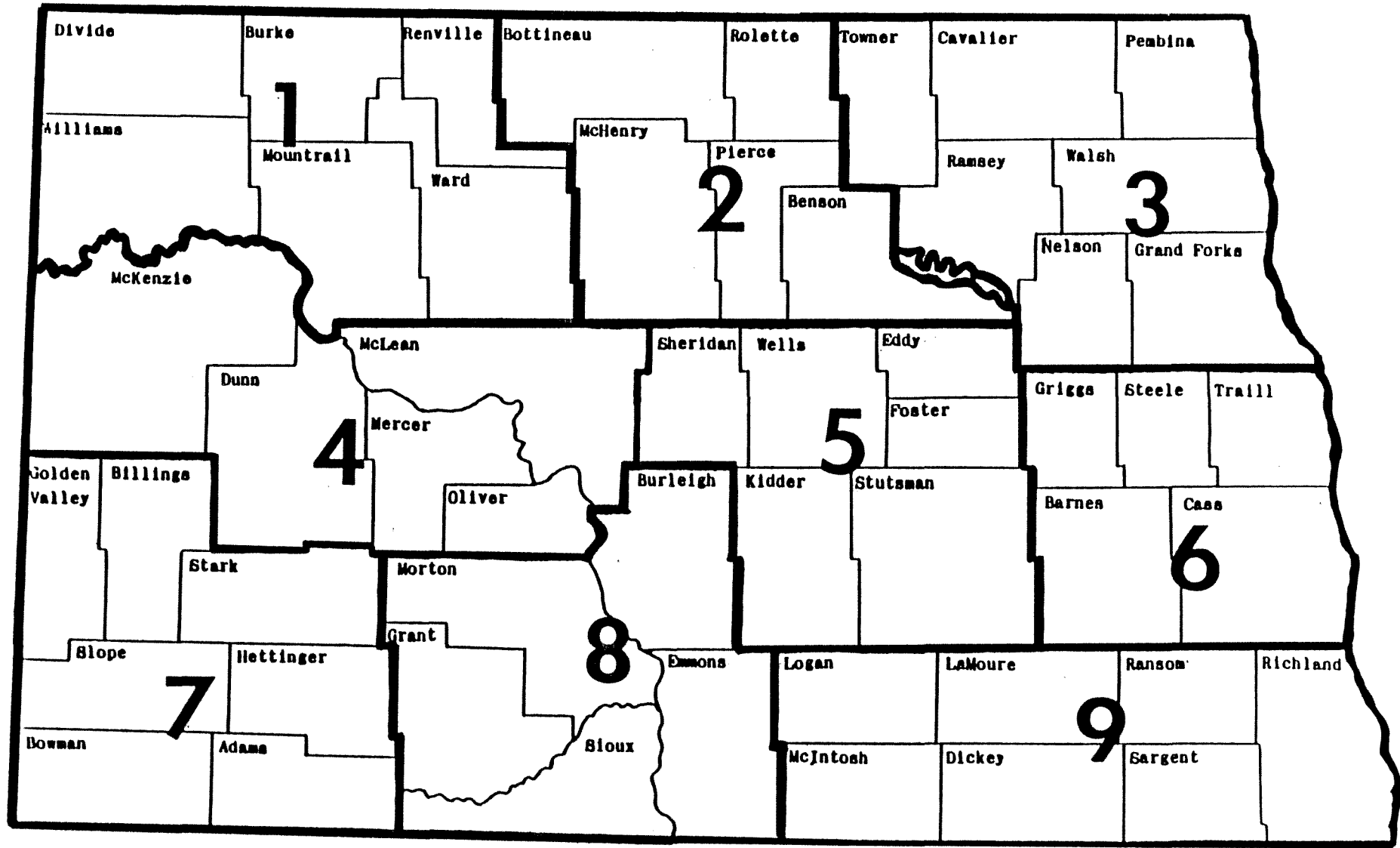


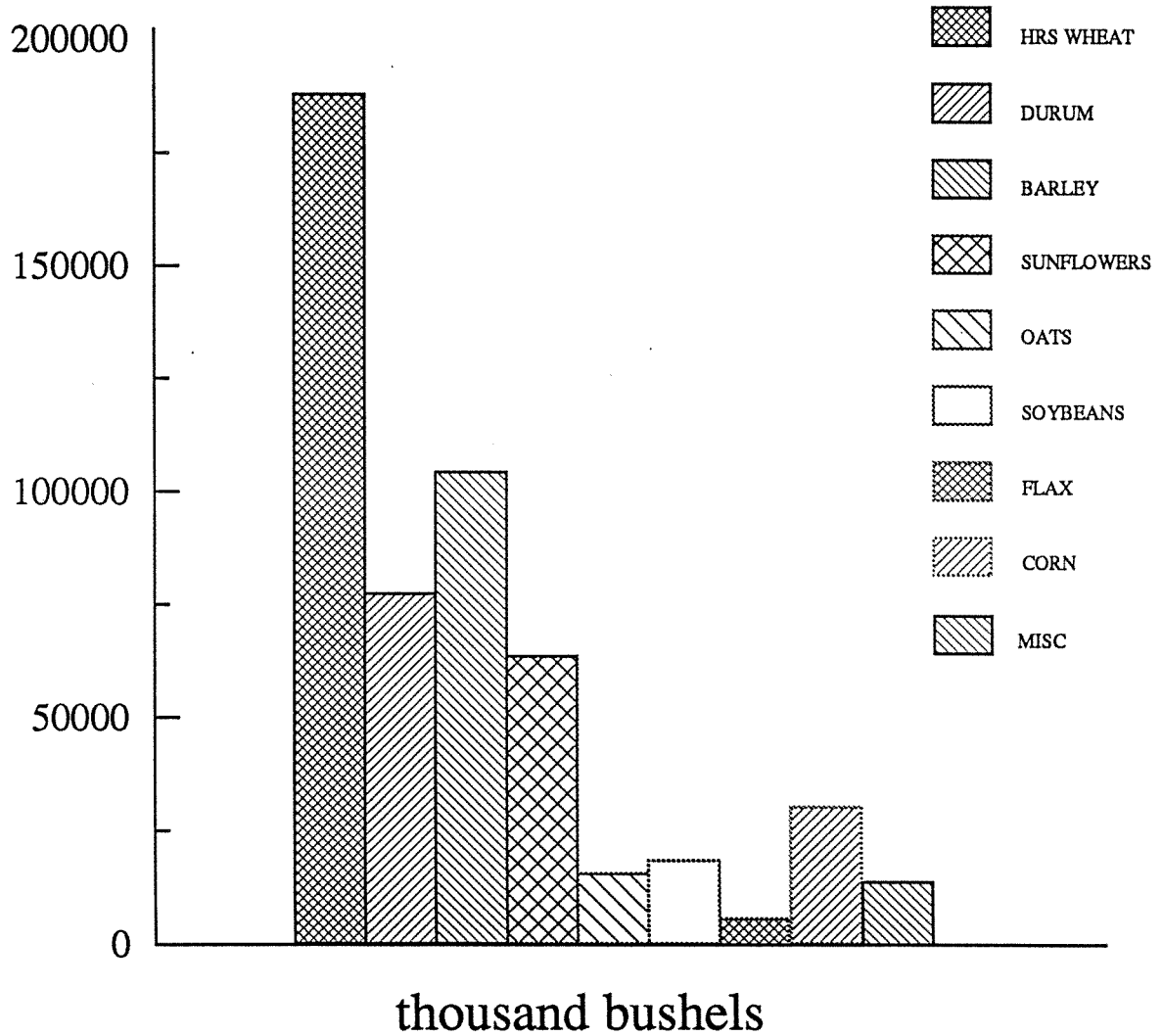
Figure 1. North Dakota Crop Reporting Districts and Counties.

**TOTAL
GRAIN AND OILSEED
SHIPMENTS**

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
1976-77 to 1987-88

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%)
3 Year Average	187,629 (36%)	89,902 (17%)	118,726 (23%)	59,342 (11%)	10,890 (2%)	13,507 (3%)	6,093 (1%)	13,507 (2%)	23,419 (4%)	522,516 (100%)

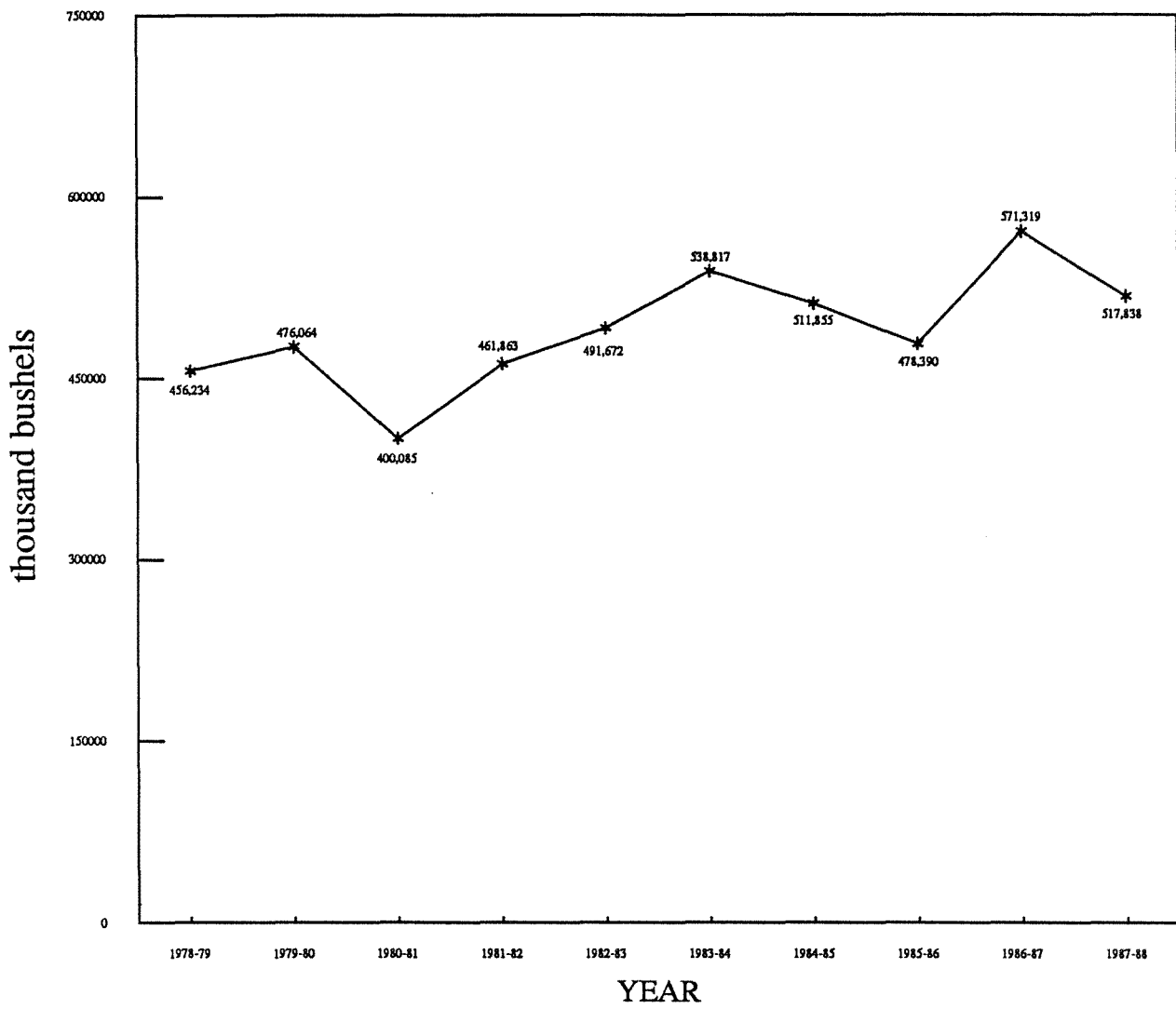
ALL SHIPMENTS
BY COMMODITY, 1987-88



NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY DESTINATION
1976-77 to 1987-88

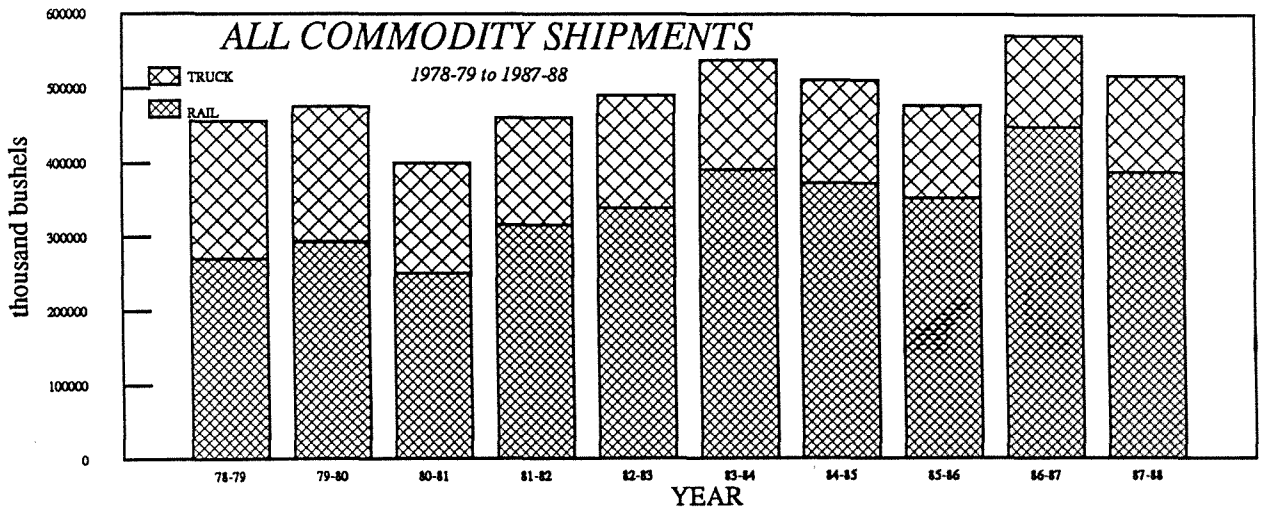
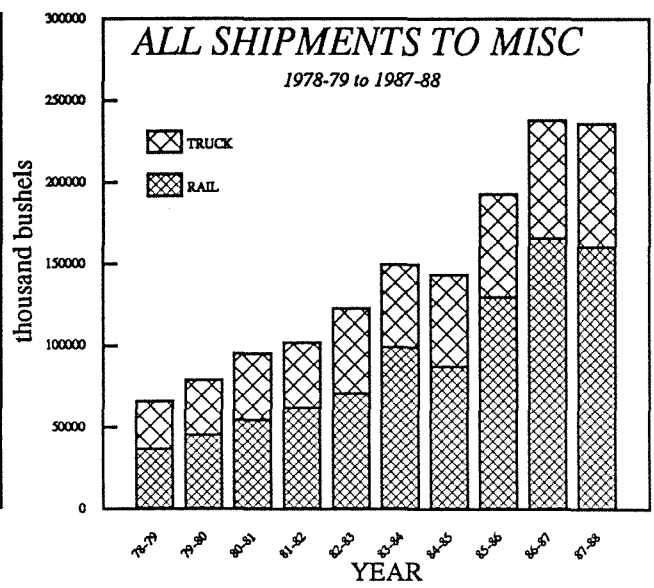
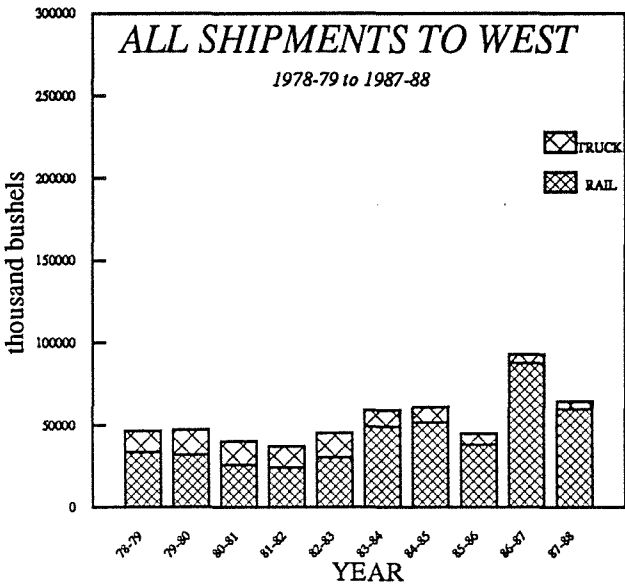
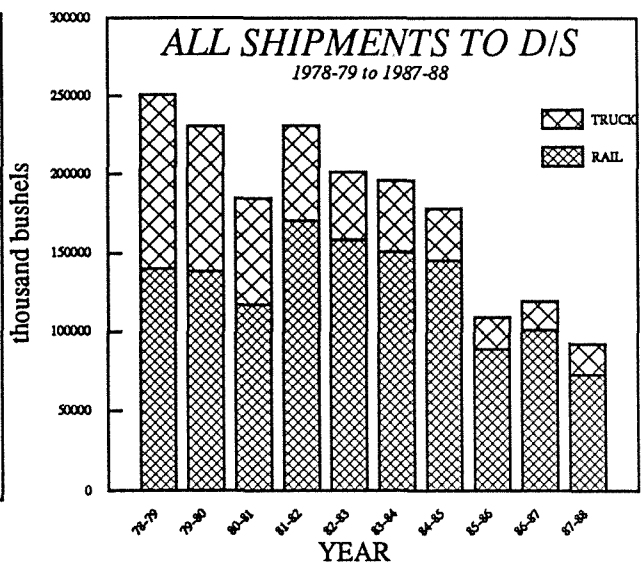
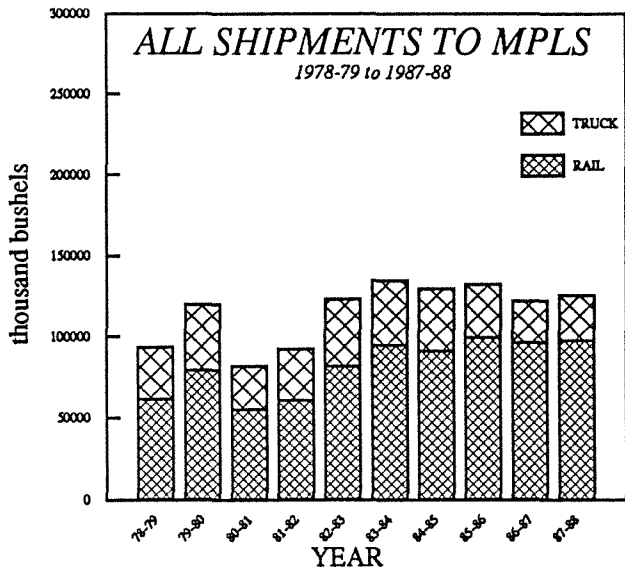
YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
(thousand bu.)					
1976-77	109,620 (36%)	128,044 (42%)	20,823 (7%)	47,425 (16%)	305,912 (100%)
1977-78	85,231 (24%)	192,925 (54%)	29,031 (8%)	51,417 (14%)	358,604 (100%)
1978-79	93,353 (20%)	250,653 (55%)	46,413 (10%)	65,814 (14%)	456,233 (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%)	517,835 (100%)
3 Year Average	126,161 (24%)	106,856 (20%)	67,488 (13%)	222,011 (42%)	522,515 (100%)

ALL COMMODITY SHIPMENTS
1978-79 to 1987-88



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

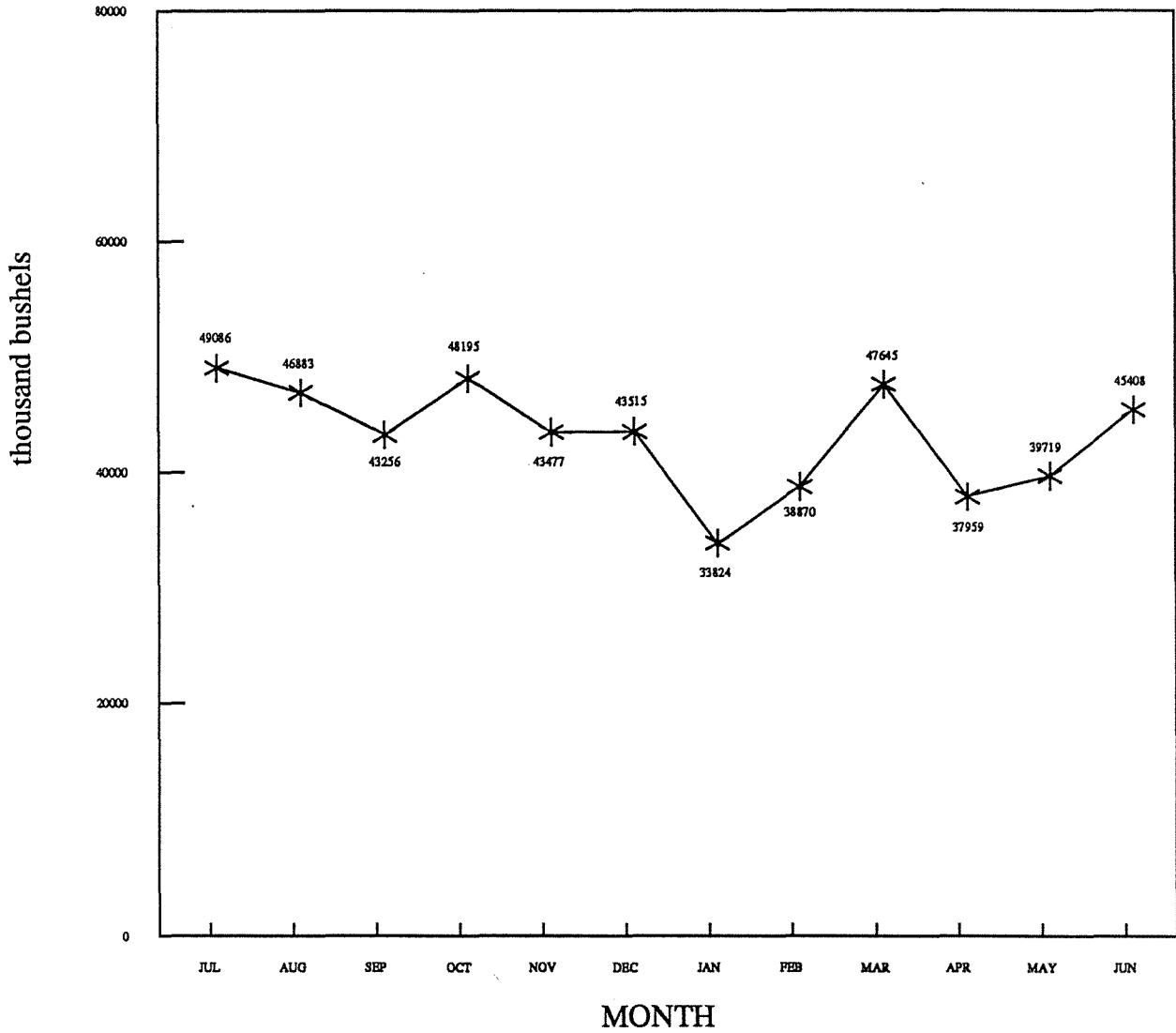
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1976-77	82,764 (76%)	26,856 (24%)	80,207 (63%)	47,837 (37%)	11,703 (56%)	9,120 (44%)	30,455 (64%)	16,970 (36%)	205,129 (67%)	100,783 (33%)
1977-78	60,859 (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 (30%)
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%)
3 Year Average	97,499 (77%)	28,662 (23%)	87,547 (82%)	19,309 (18%)	61,888 (92%)	5,600 (8%)	151,809 (68%)	70,202 (32%)	398,742 (76%)	123,773 (24%)



NORTH DAKOTA GRAIN AND OILSEED MOVEMENT BY MONTH
 July, 1987 - June, 1988
 (thousand bushels)

MONTH	HRS	DURUM	SOYBEANS	FLAXSEED	BARLEY	OATS	CORN	SUNFLOWERS	MISC.	TOTAL
July	20,399	4,604	1,041	468	10,464	727	1,125	9,227	1,031	49,086
August	22,041	7,781	712	349	6,164	3,098	847	4,271	1,619	46,882
September	14,717	9,321	1,222	1,677	5,909	2,583	1,428	4,818	1,581	43,256
October	11,679	6,689	2,782	1,197	6,449	2,013	2,175	13,151	2,061	48,196
November	12,236	7,727	1,722	199	9,093	1,988	3,643	5,895	974	43,477
December	14,314	6,226	2,060	480	10,031	1,370	4,139	4,028	867	43,515
January	11,210	3,736	1,758	473	7,710	984	3,363	3,393	1,197	33,824
February	12,426	4,117	2,146	244	8,785	820	4,873	4,652	807	38,870
March	16,254	5,082	1,790	392	11,707	737	3,693	6,728	1,262	47,645
April	16,132	7,532	1,277	361	6,786	349	1,754	3,085	683	37,959
May	17,615	7,853	1,046	179	8,210	420	1,617	1,855	924	39,719
June	18,812	6,726	858	91	13,092	488	1,768	2,316	1,257	45,408
Total	187,835	77,394	18,414	6,110	104,400	15,577	30,425	63,419	14,263	517,837

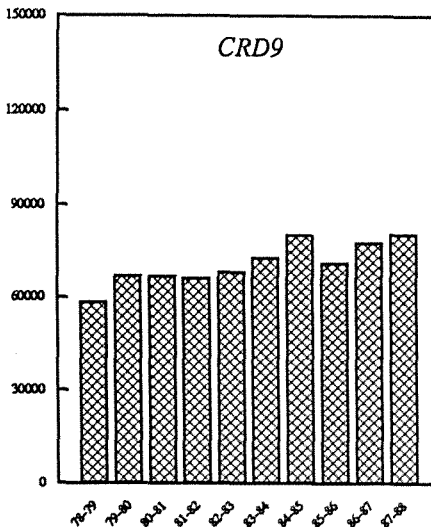
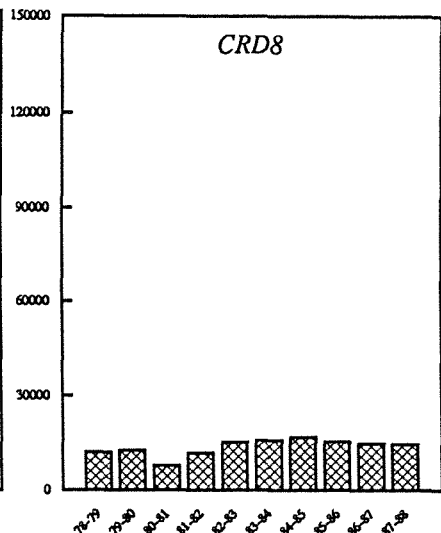
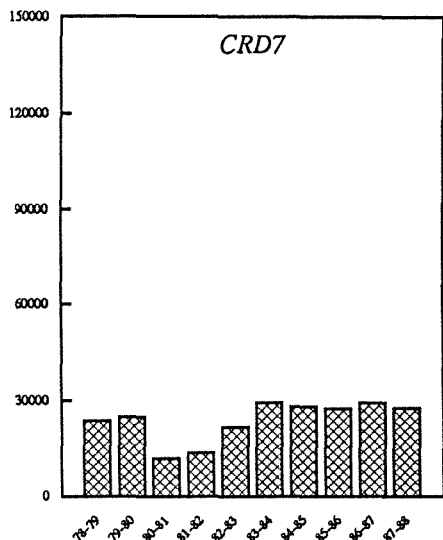
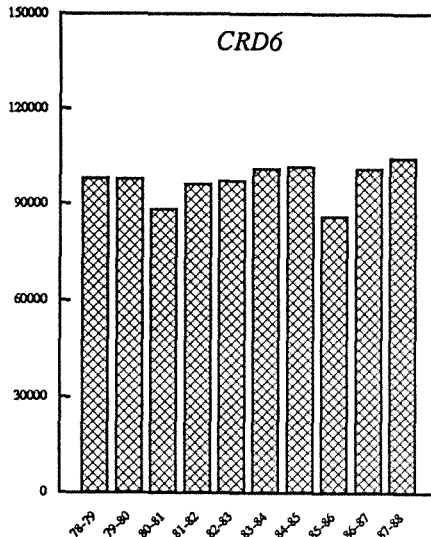
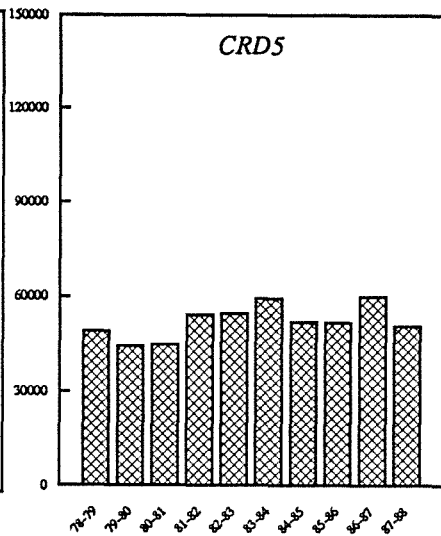
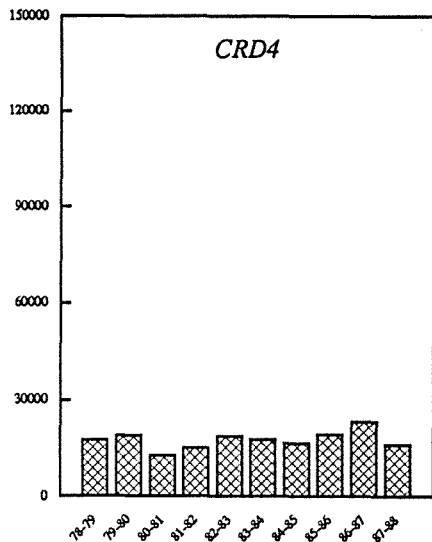
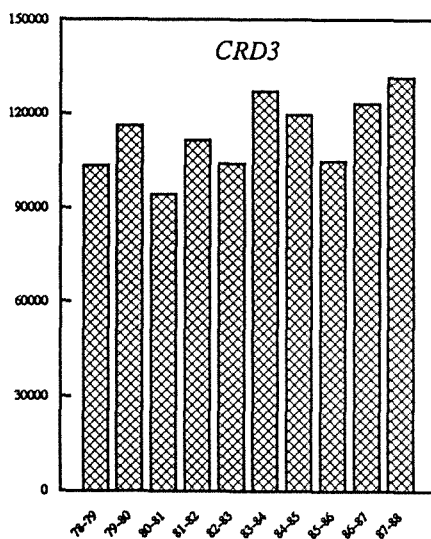
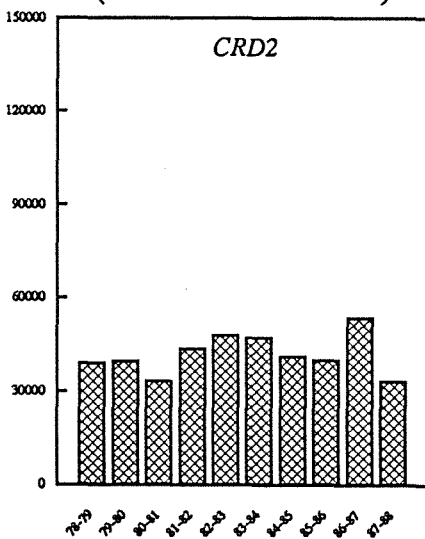
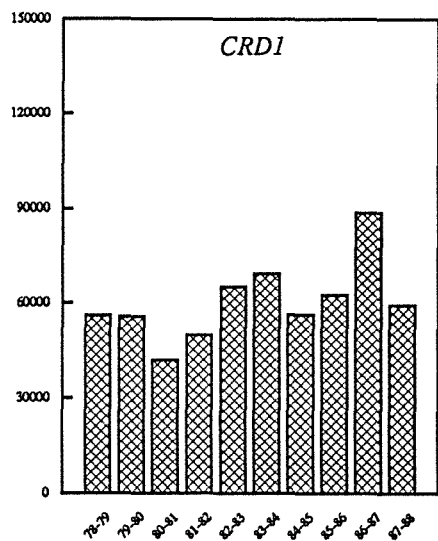
ALL COMMODITY SHIPMENTS
BY MONTH, 1987-88



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%)
3 Year Average	70,199 (13%)	41,917 (8%)	119,903 (23%)	19,490 (4%)	54,118 (10%)	97,016 (19%)	28,224 (5%)	15,065 (3%)	76,665 (15%)	522,515 (100%)

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



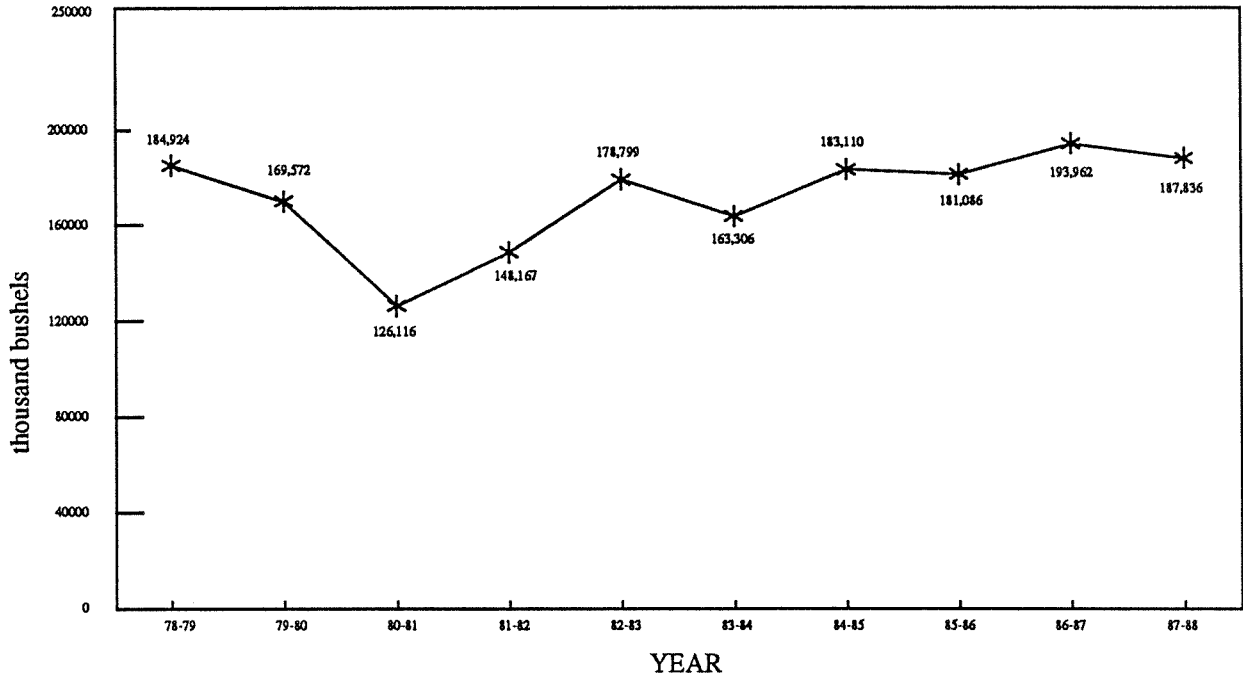
**HARD RED SPRING
WHEAT**

NORTH DAKOTA WHEAT SHIPMENTS (EXCLUDING DURUM)
BY DESTINATION

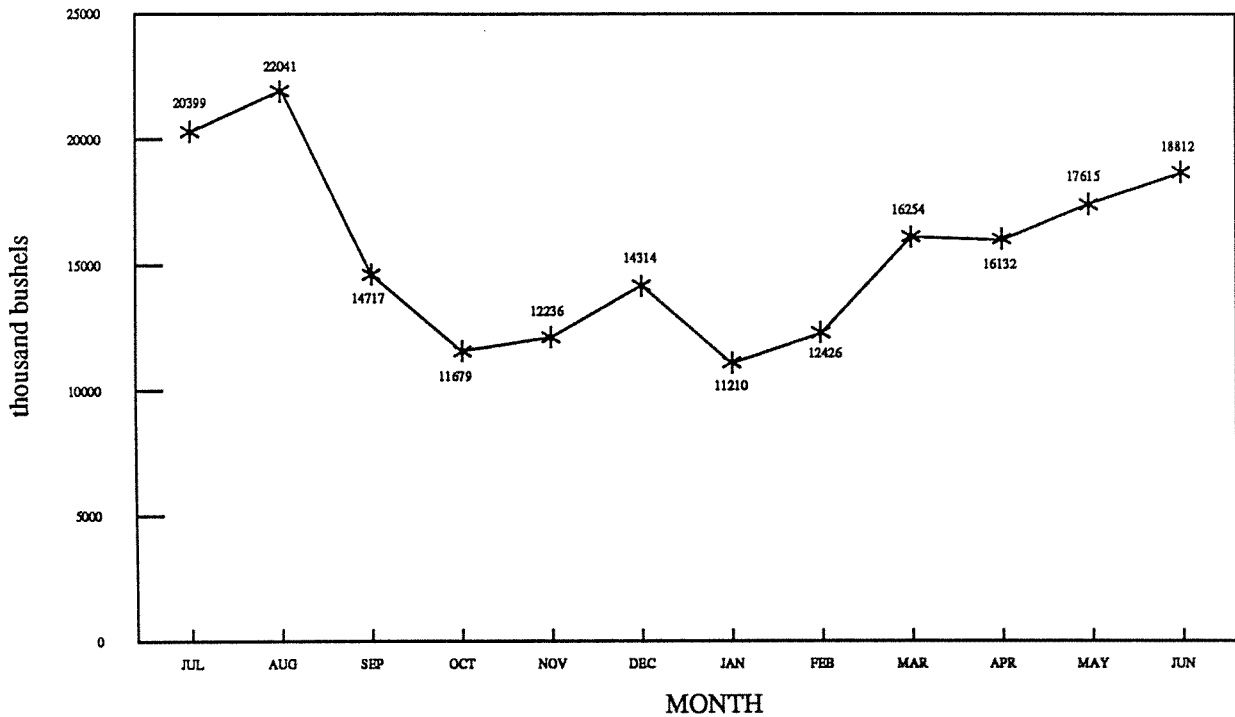
YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
(thousand bu.)					
1976-77	38,230 (31%)	53,419 (43%)	16,675 (13%)	15,651 (13%)	123,975 (100%)
1977-78	28,199 (22%)	65,832 (51%)	21,502 (17%)	12,402 (10%)	127,953 (100%)
1978-79	28,846 (16%)	108,717 (59%)	34,818 (19%)	12,542 (7%)	184,923 (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 ^a (34%)	187,836 (100%)
3 Year Average	63,314 (34%)	45,680 (25%)	23,101 (12%)	55,532 (30%)	187,628 (100%)

^a Miscellaneous markets for wheat (excluding durum) include Midland/Southwest States (19,124,092 bushels or 10%), Other Minnesota/Wisconsin (24,290,763 bushels or 13%), North Dakota destinations (3,831,733 bushels or 2%), and all other miscellaneous destinations (17,821,415 bushels or 9%).

WHEAT SHIPMENTS (EXCL DURUM)
1978-79 to 1987-88

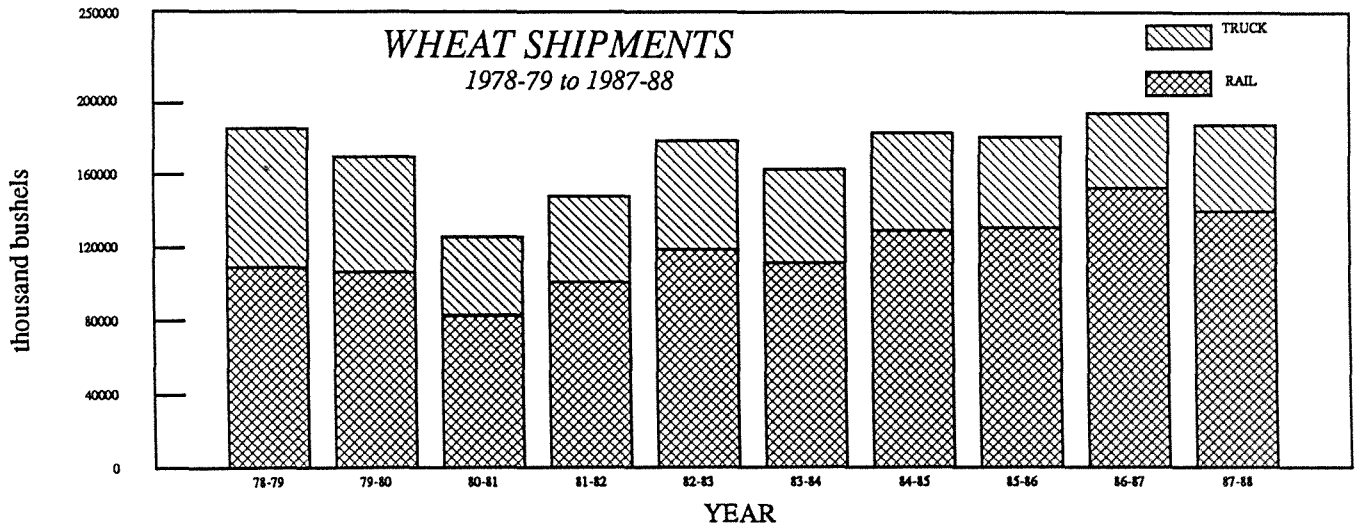
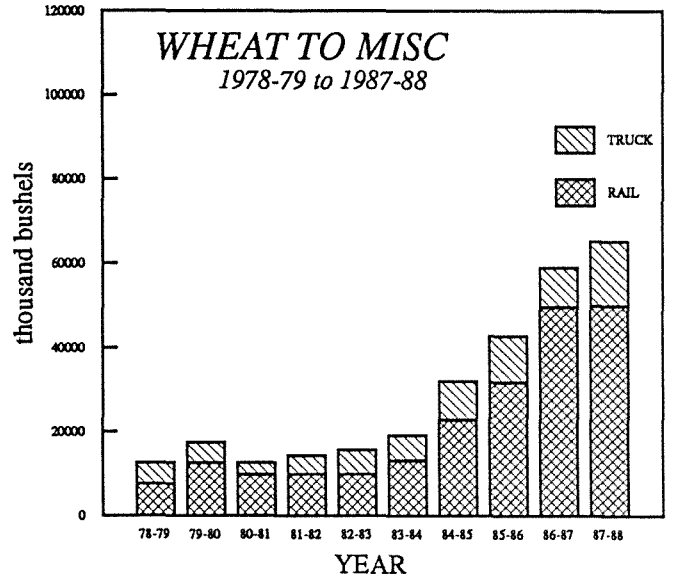
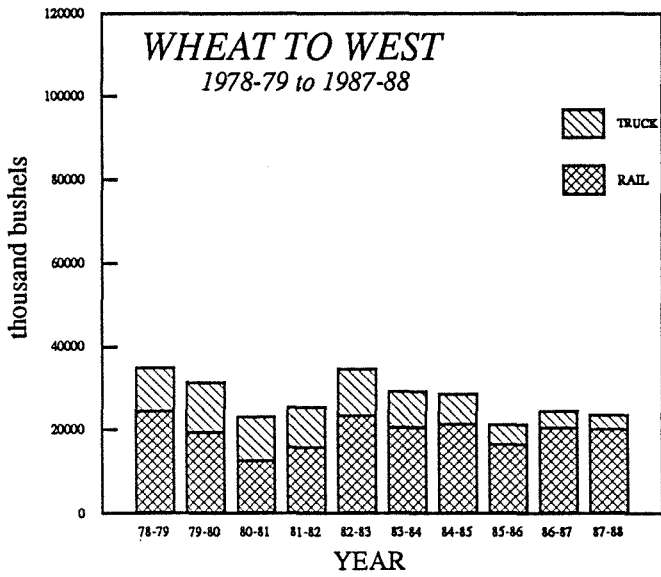
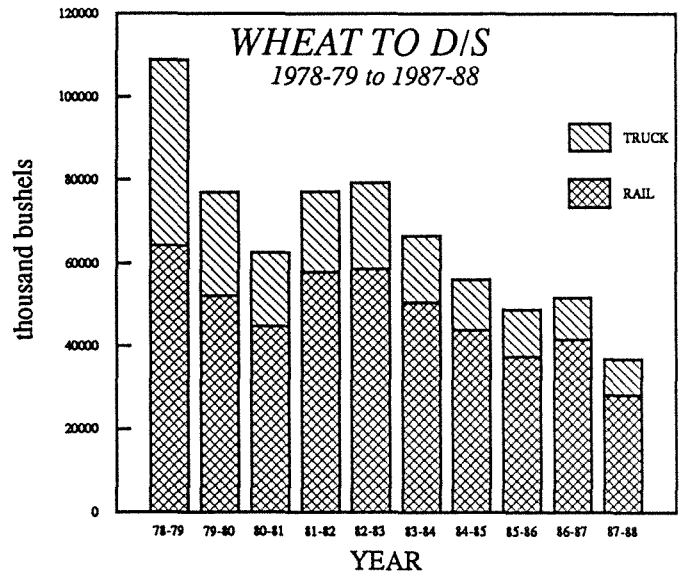
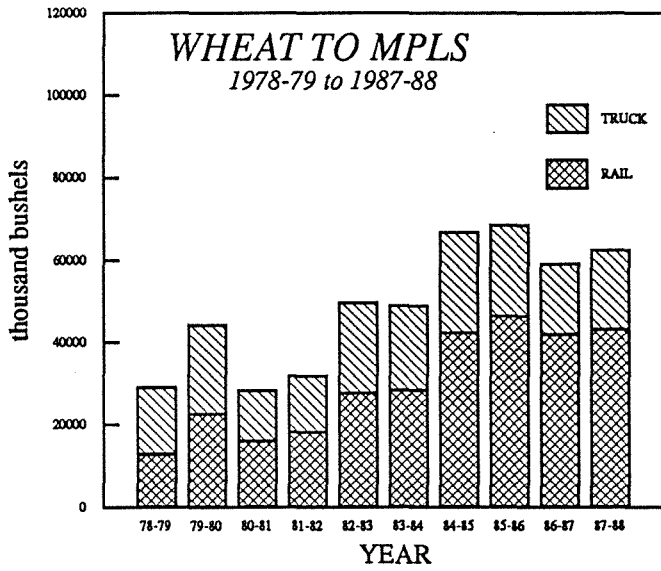


WHEAT SHIPMENTS (EXCL DURUM)
BY MONTH, 1987-88



NORTH DAKOTA WHEAT (EXCLUDING DURUM) SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

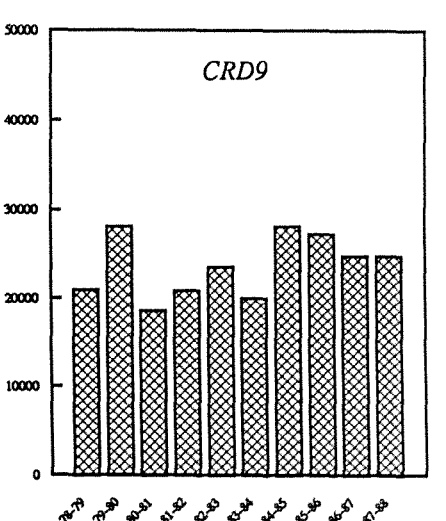
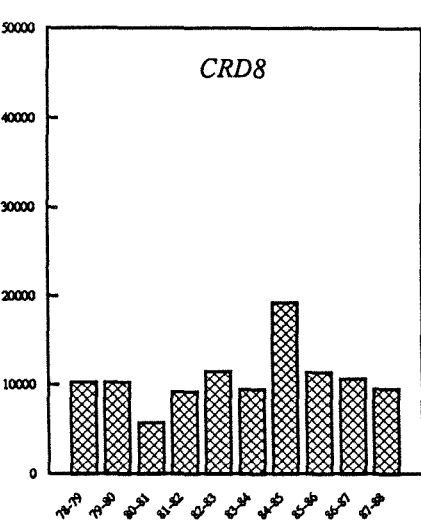
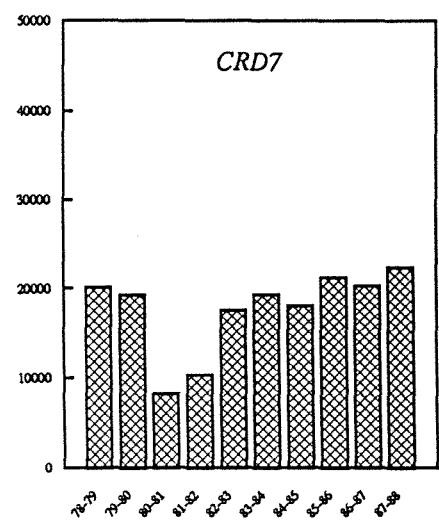
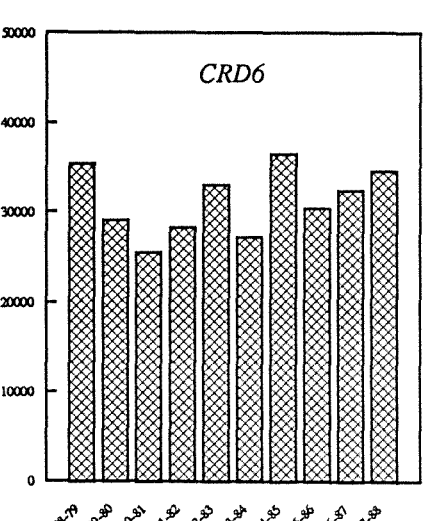
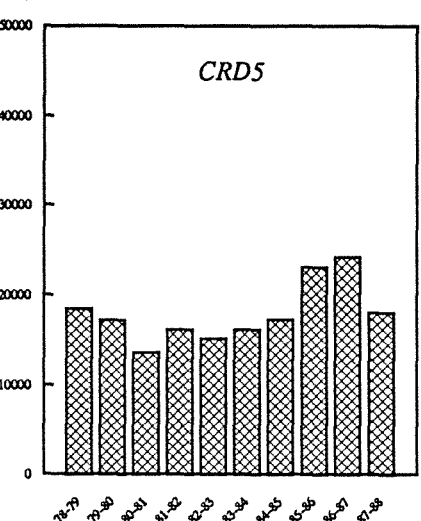
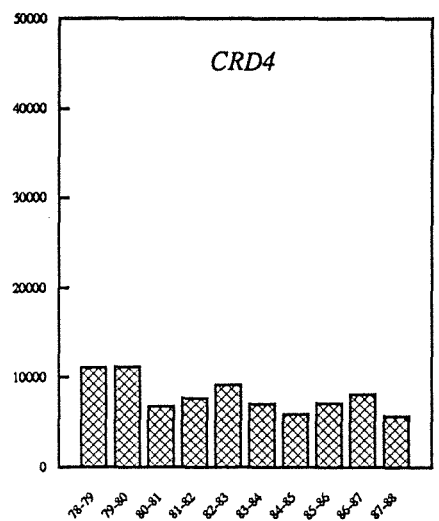
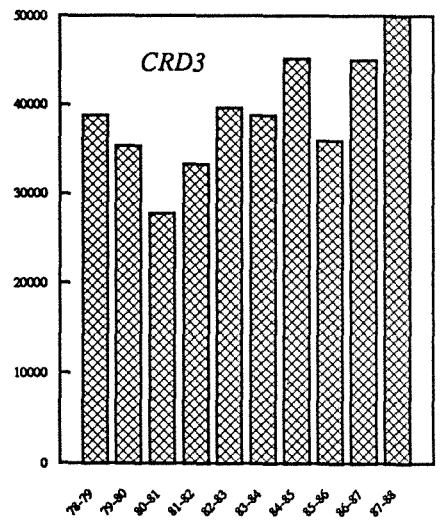
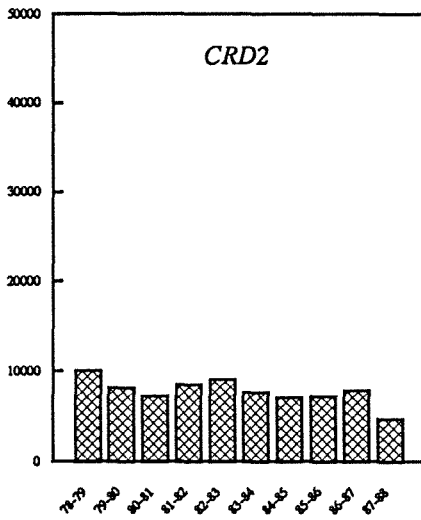
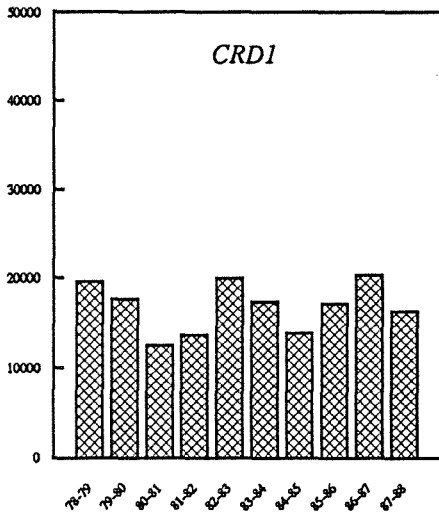
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
1976-77	22,206 (58%)	16,024 (42%)	37,140 (70%)	16,280 (30%)	10,629 (64%)	6,047 (36%)	12,249 (78%)	3,402 (22%)	82,224 (66%)	41,753 (33%)
1977-78	16,211 (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%)
3 Year Average	43,736 (69%)	19,578 (31%)	35,580 (78%)	10,100 (22%)	19,012 (82%)	4,089 (18%)	43,673 (79%)	11,859 (21%)	142,001 (75%)	45,627 (25%)



NORTH DAKOTA WHEAT MOVEMENTS (EXCLUDING DURUM)
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%)
3 Year Average	17,944 (10%)	6,577 (4%)	44,028 (23%)	7,119 (4%)	21,787 (12%)	33,566 (18%)	20,362 (11%)	10,558 (6%)	25,687 (14%)	187,629 (100%)

WHEAT SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



DURUM

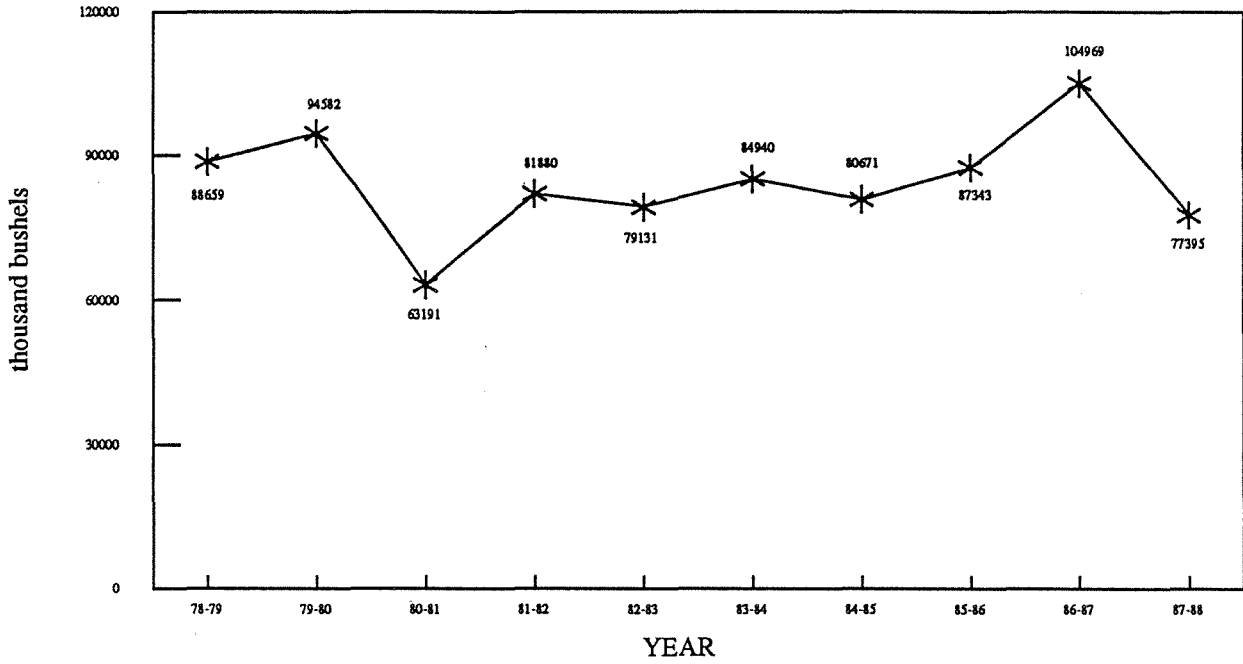
NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION

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 (0.9%)	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%)
3 Year Average	18,732 (21%)	37,464 (42%)	2,359 (3%)	31,348 (35%)	89,902 (100%)

* Miscellaneous markets for durum include Midland/Southwest States (7,793,429 bushels or 10%), Other Minnesota/Wisconsin (11,180,455 bushels or 14%), North Dakota destinations (6,318,160 or 8%), and all other miscellaneous destinations (7,357,584 bushels or 10%)

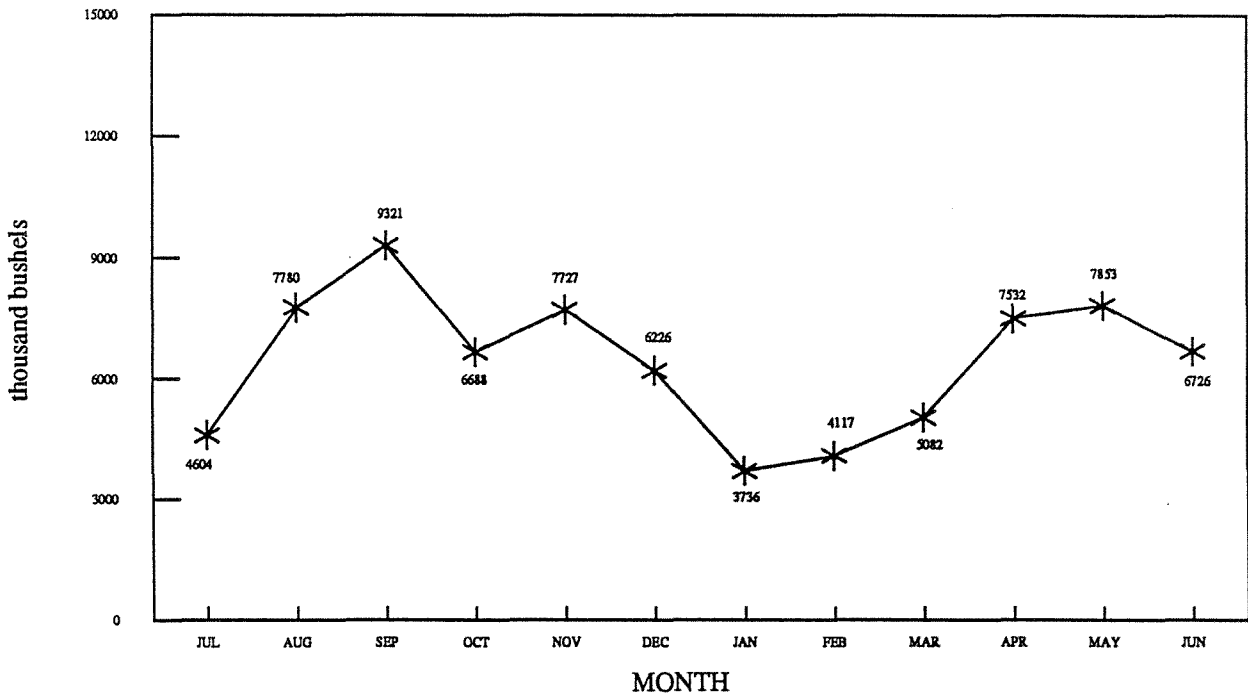
DURUM SHIPMENTS

1978-79 to 1987-88



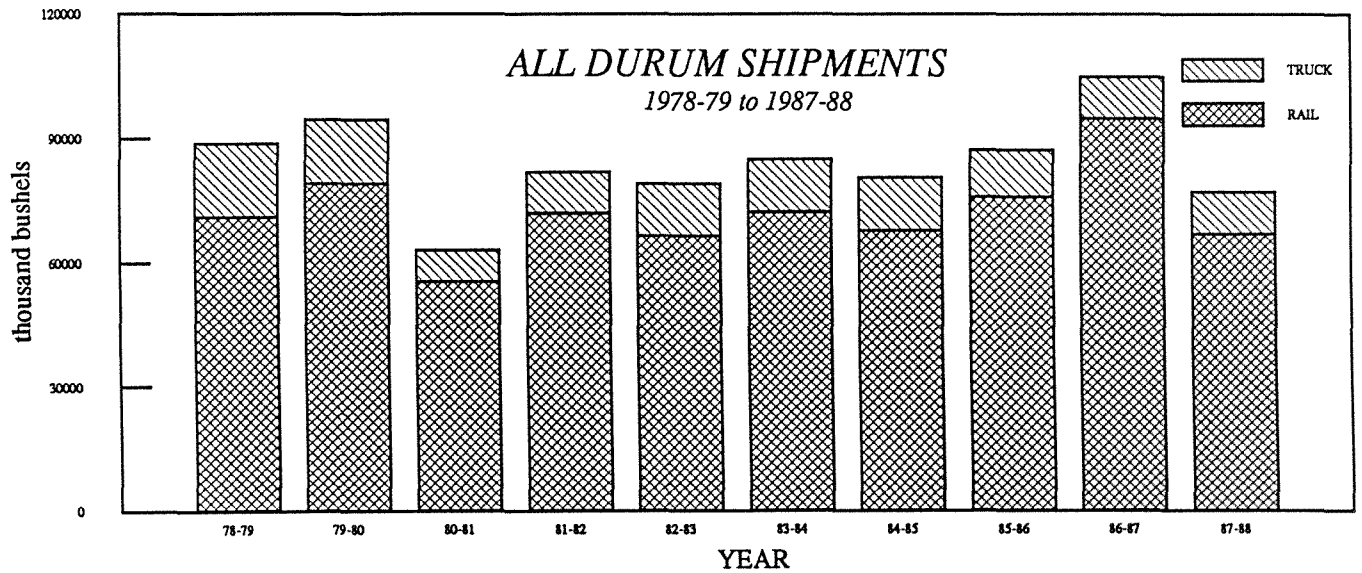
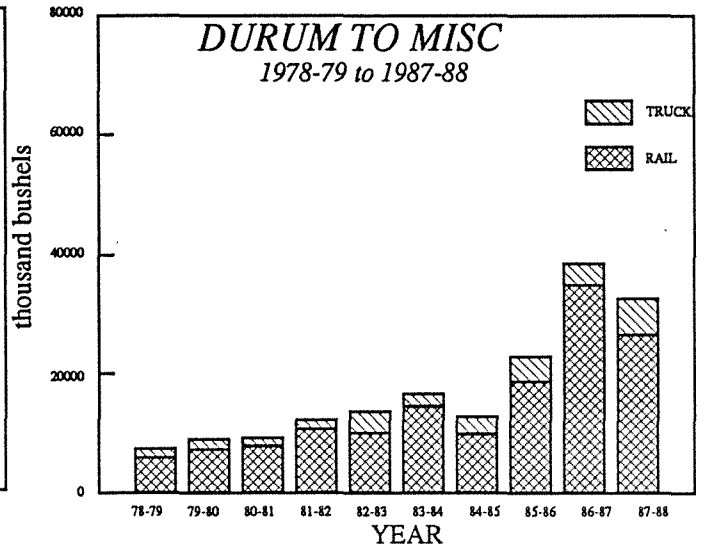
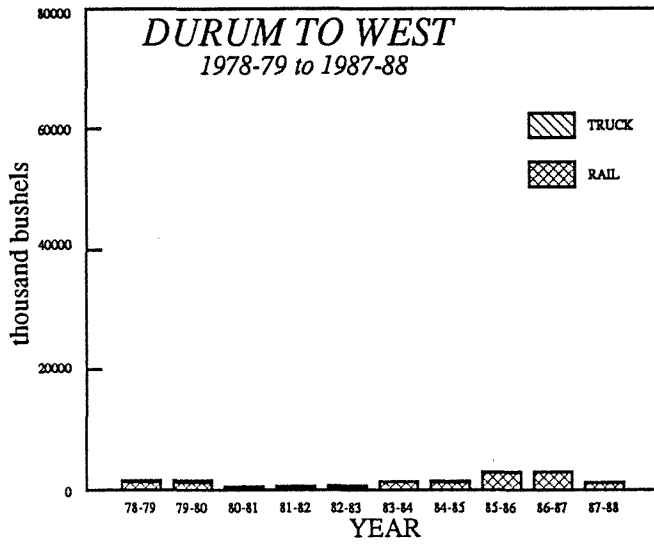
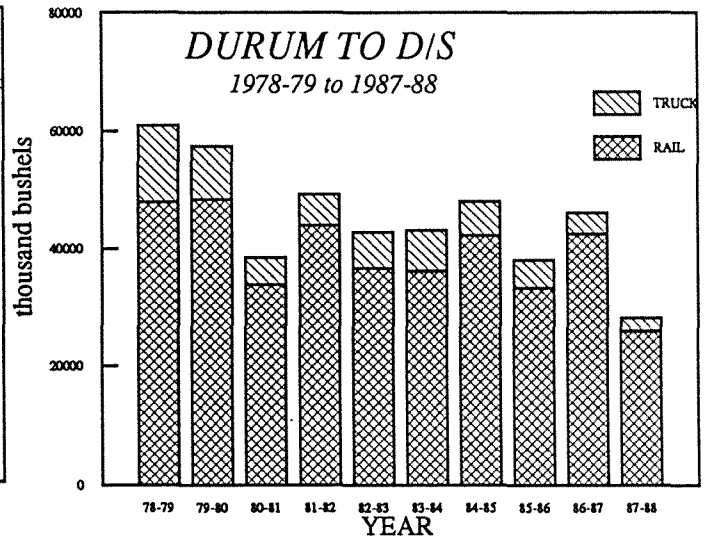
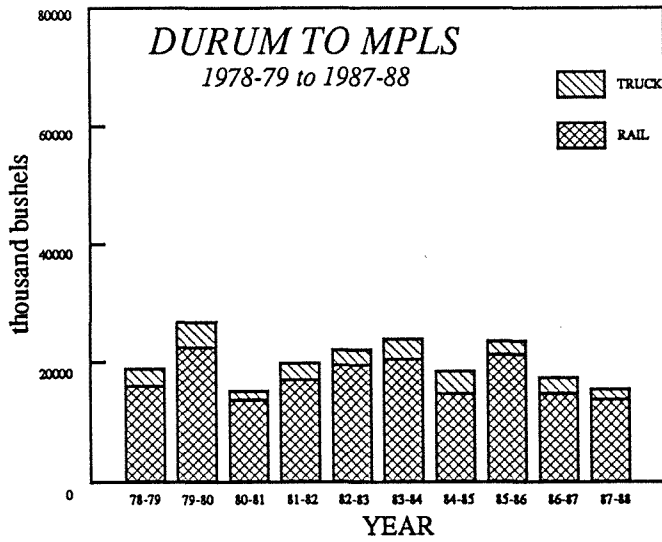
DURUM SHIPMENTS

BY MONTH, 1987-88



NORTH DAKOTA DURUM SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

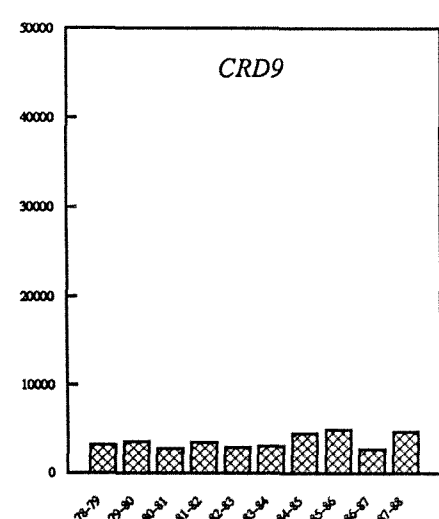
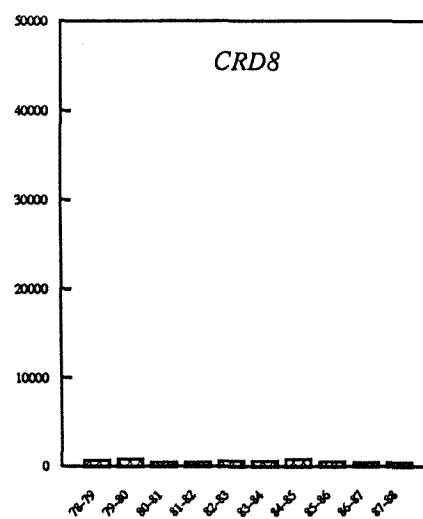
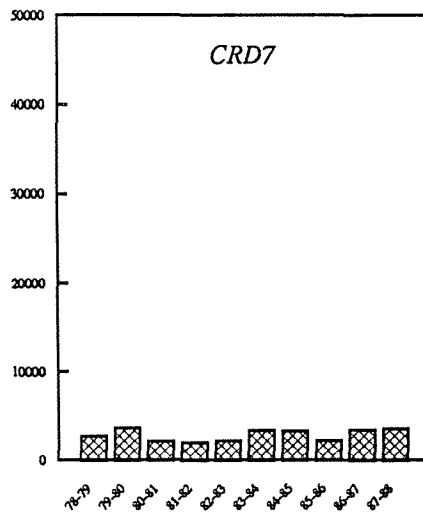
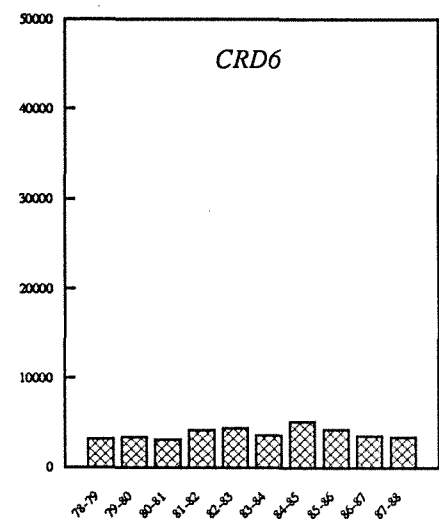
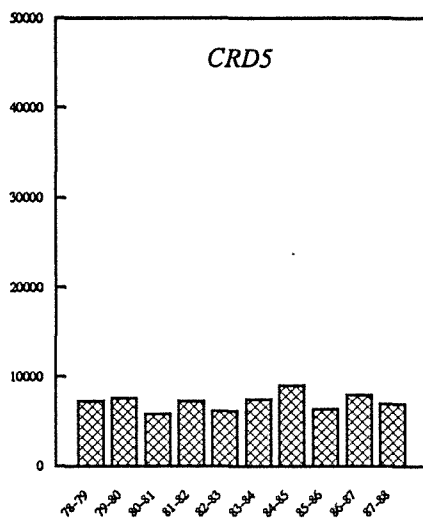
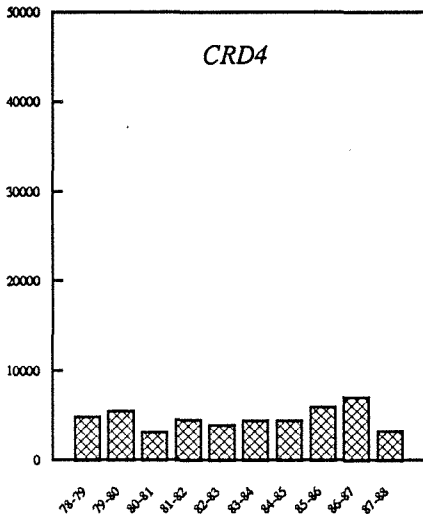
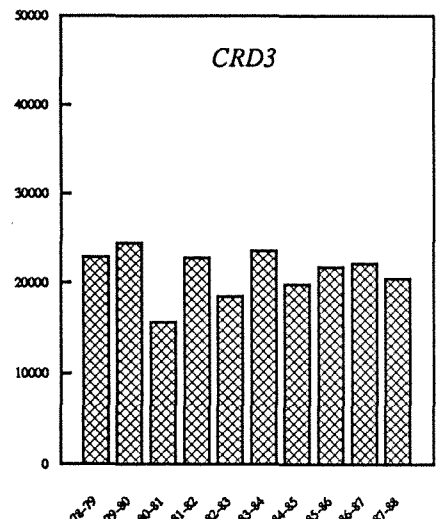
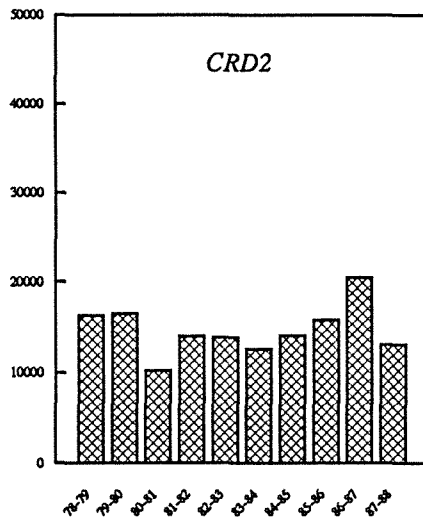
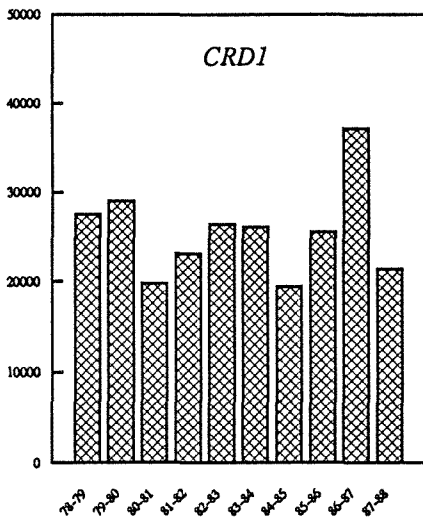
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1976-77	14,664 (86%)	2,360 (14%)	29,747 (84%)	5,790 (16%)	481 (29%)	1,155 (71%)	9,681 (89%)	1,147 (11%)	54,573 (84%)	10,452 (16%)
1977-78	14,576 (88%)	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%)
3 Year Average	16,511 (88%)	2,221 (12%)	33,947 (91%)	3,516 (9%)	2,297 (97%)	62 (3%)	26,693 (85%)	4,654 (15%)	79,449 (88%)	10,453 (12%)



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%)
3 Year Average	28,044 (31%)	16,433 (18%)	21,462 (24%)	5,422 (6%)	7,122 (8%)	3,746 (4%)	3,055 (3%)	510 (1%)	4,108 (5%)	89,902 (100%)

DURUM SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



BARLEY

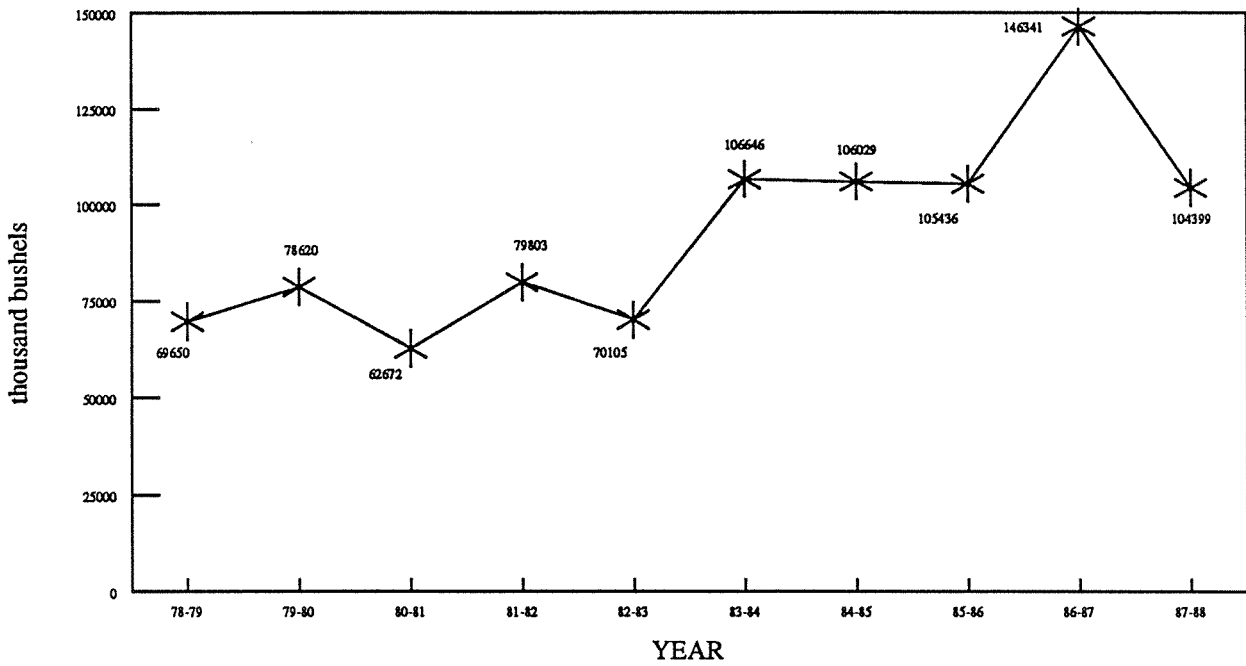
NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION

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 ^a (53%)	104,399 (100%)
3 Year Average	25,728 (22%)	11,474 (10%)	19,342 (16%)	62,180 (52%)	118,725 (100%)

^a Miscellaneous markets for barley include Other Minnesota/Wisconsin (15,631,970 bushels or 15%), Midland/Southwest States (16,202,922 bushels or 16%), North Dakota destinations (17,297,894 bushels or 17%), and all other miscellaneous destinations (6,299,165 bushels or 6%).

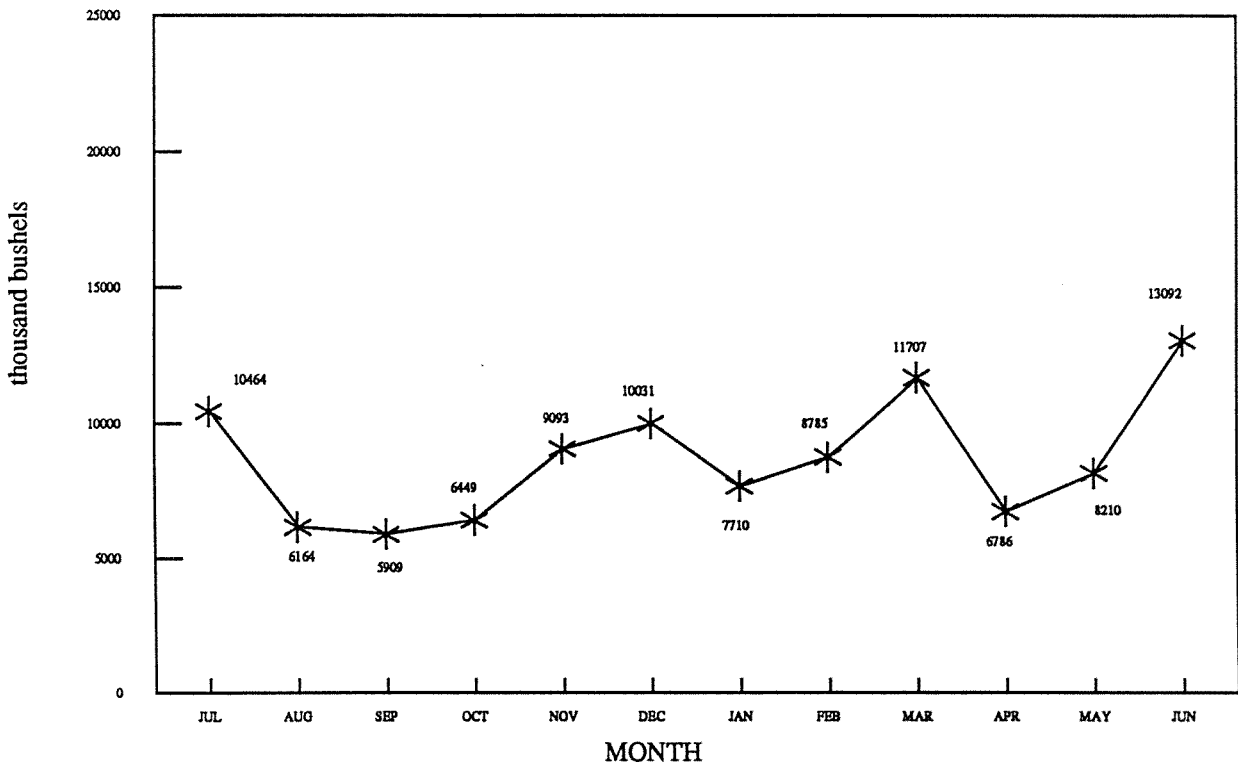
BARLEY SHIPMENTS

1978-79 to 1987-88



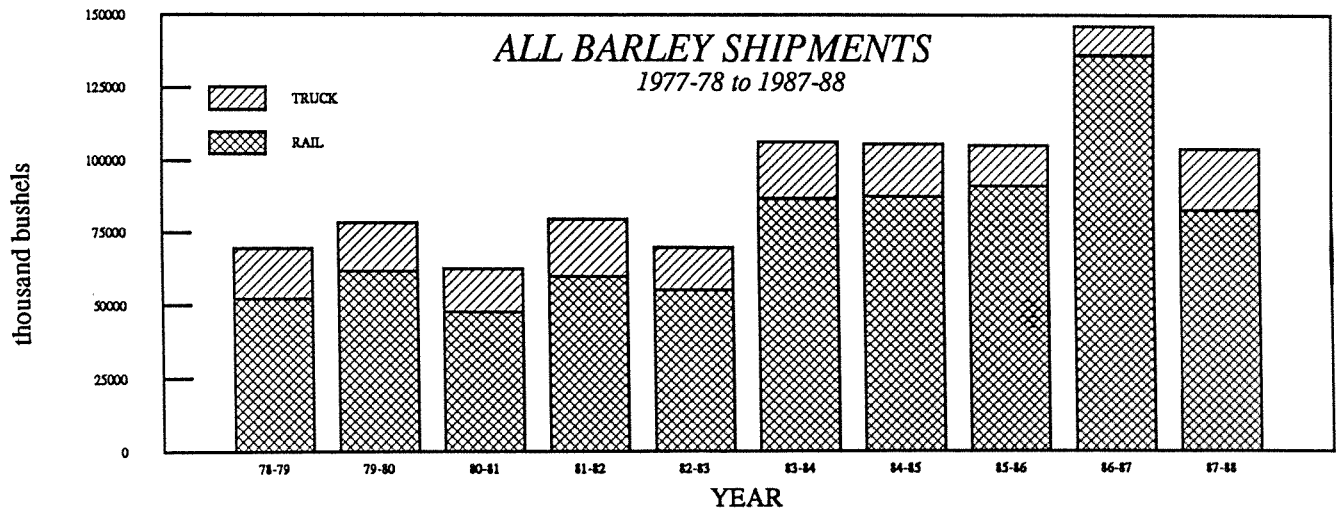
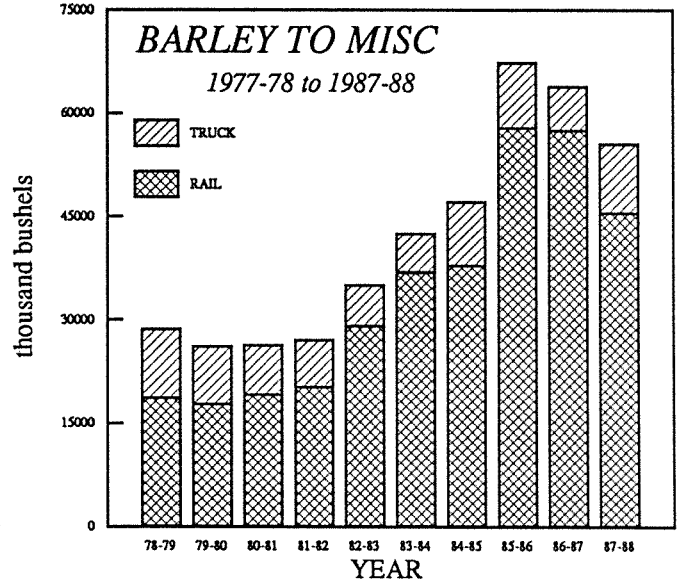
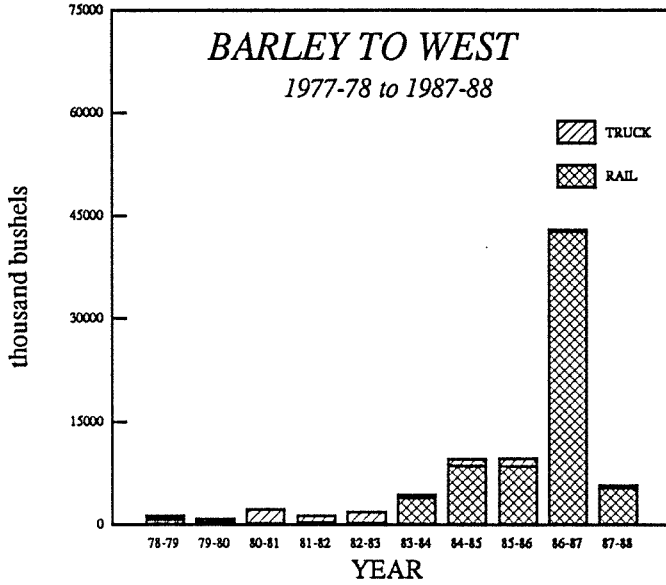
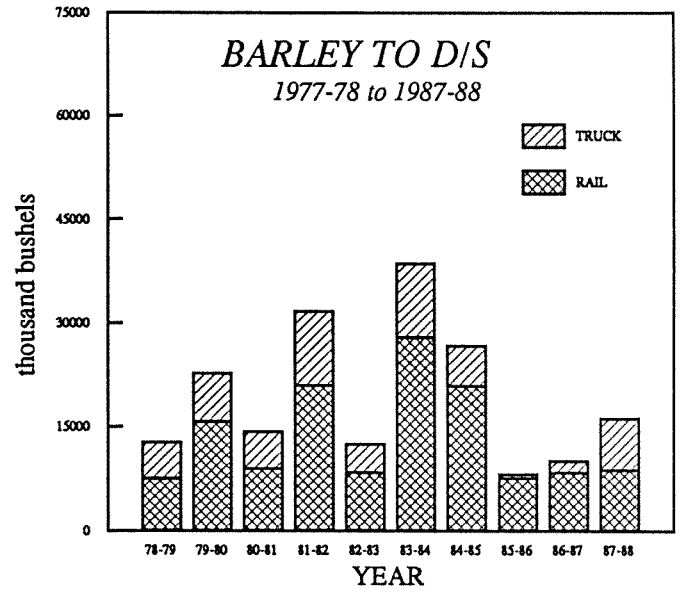
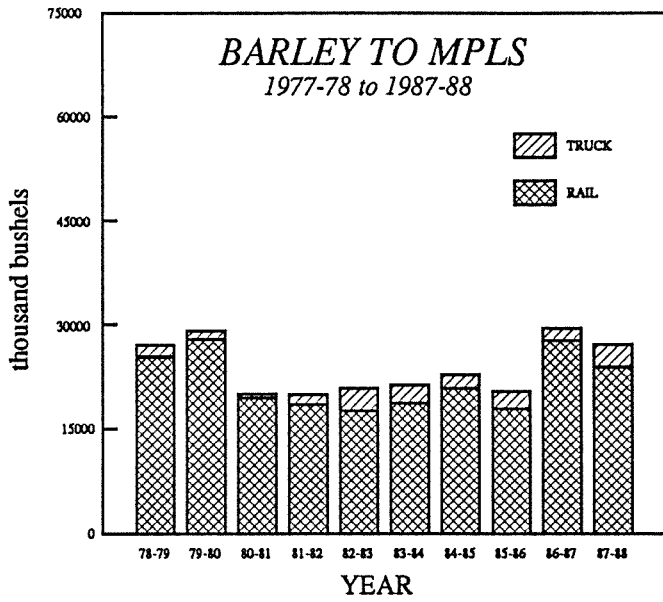
BARLEY SHIPMENTS

BY MONTH, 1987-88



NORTH DAKOTA BARLEY SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

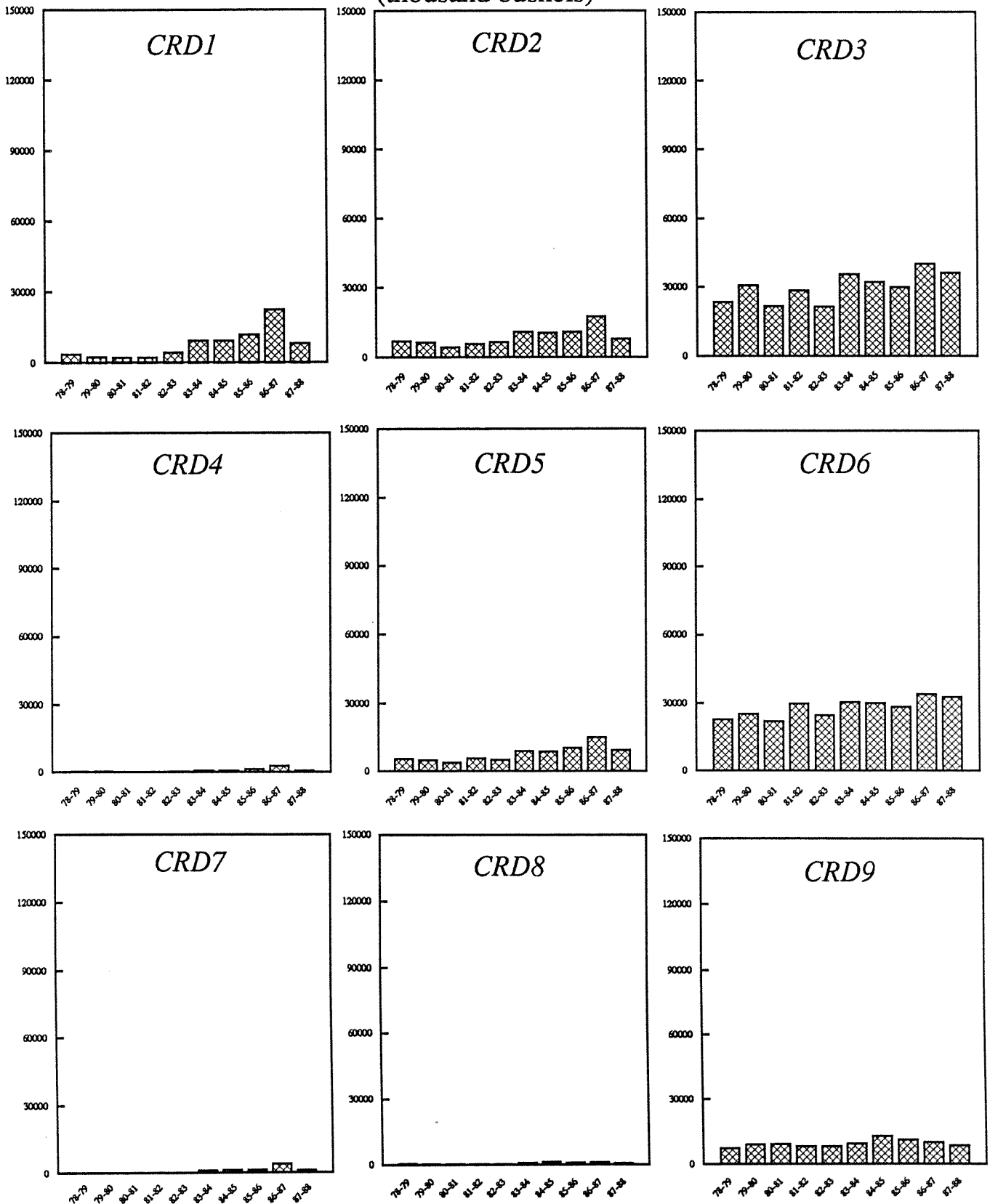
YEAR	<u>MINNEAPOLIS-ST. PAUL</u>		<u>DULUTH-SUPERIOR</u>		<u>WEST</u>		<u>MISC. MARKETS</u>		<u>TOTAL</u>	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
1976-77	37,974 (96%)	1,753 (4%)	5,792 (22%)	20,880 (78%)	74 (58%)	52 (42%)	4,329 (64%)	2,459 (36%)	48,169 (66%)	25,144 (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%)
3 Year Average	23,192 (90%)	2,536 (10%)	8,289 (72%)	3,289 (28%)	18,781 (97%)	561 (3%)	53,557 (86%)	8,623 (14%)	103,820 (87%)	13,998 (13%)



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 (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%)	70,105 (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%)
3 Year Average	14,101 (12%)	12,044 (10%)	35,330 (28%)	1,561 (1%)	11,575 (10%)	31,560 (27%)	2,056 (2%)	684 (1%)	9,814 (8%)	118,725 (100%)

BARLEY SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



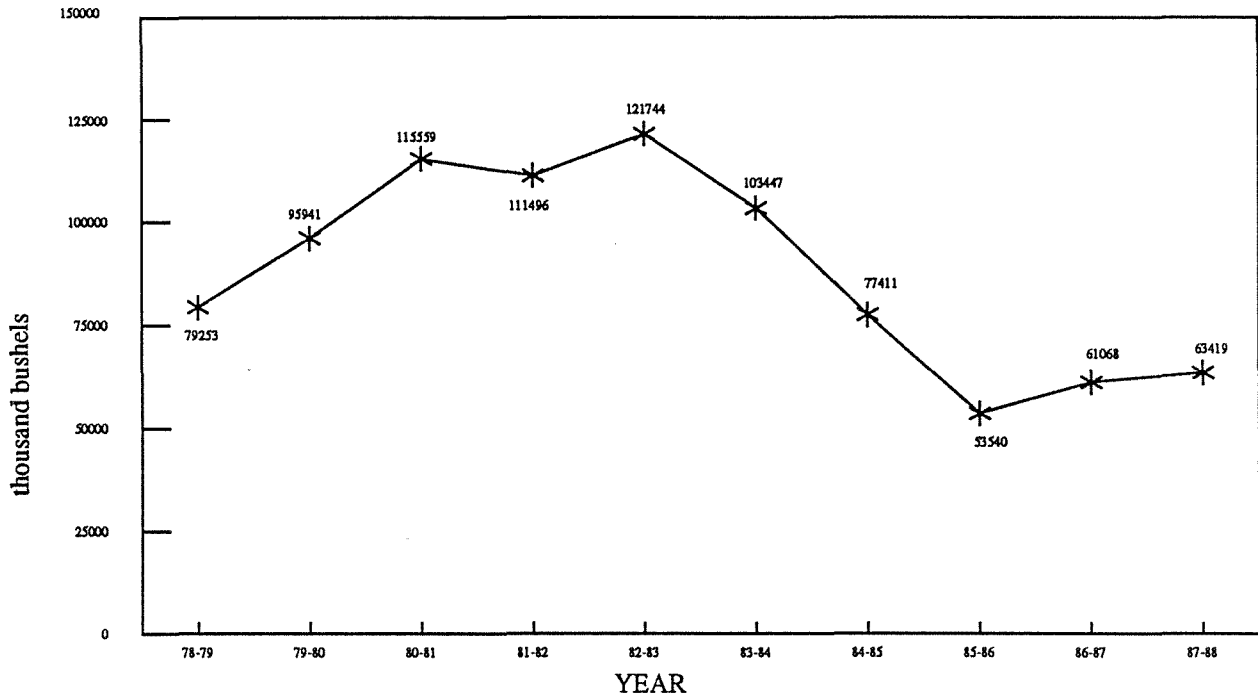
SUNFLOWER

NORTH DAKOTA SUNFLOWER SHIPMENTS BY DESTINATION

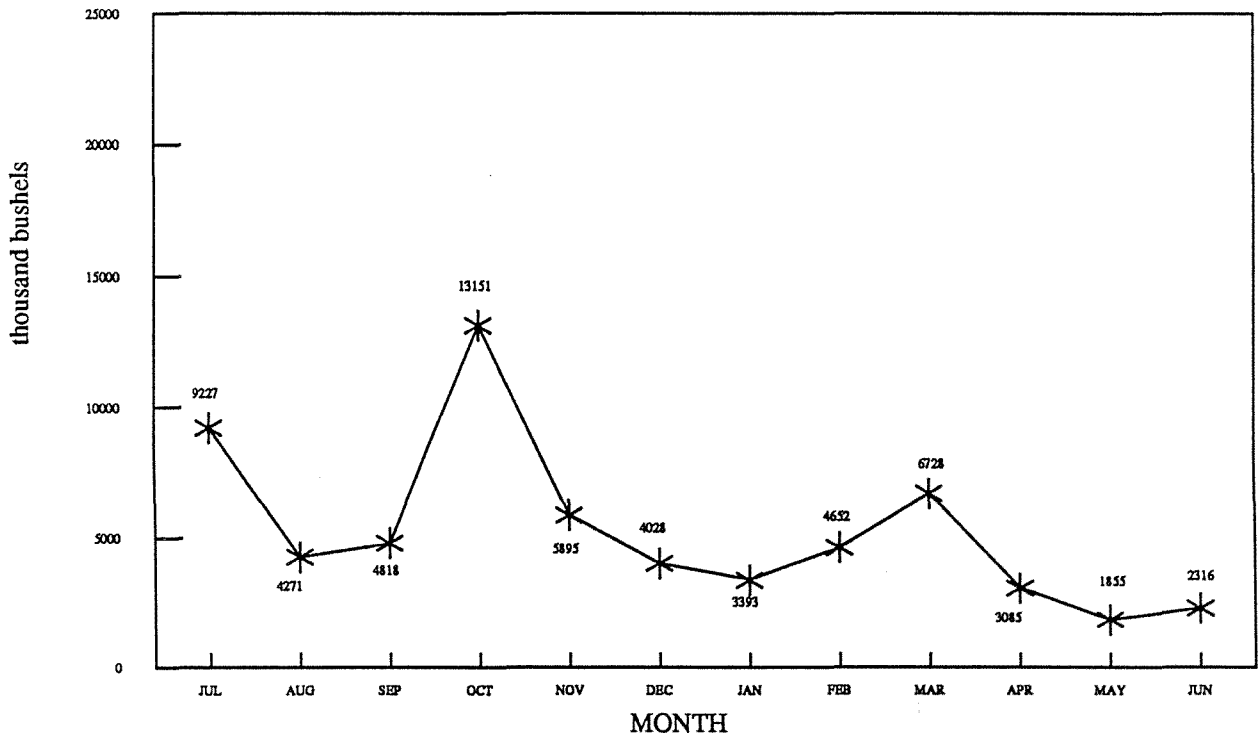
YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	OTHER MINN.	MISC. MARKETS	TOTAL
	(thousand bu.)				
1976-77	863 (6%)	8,693 (56%)	1,369 (9%)	4,697 (30%)	15,622 (100%)
1977-78	2,992 (6%)	38,019 (74%)	3,220 (6%)	7,047 (14%)	51,278 (100%)
1978-79	4,790 (6%)	63,178 (80%)	5,608 (7%)	5,677 (7%)	79,253 (100%)
1979-80	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 ^a (72%)	63,419 (100%)
3 Year Average	3,616 (6%)	9,998 (17%)	3,855 (6%)	41,873 (71%)	59,342 (100%)

^a Miscellaneous markets for sunflower seed include North Dakota destinations (32,153,004 bushels or 51%), Midland/Southwest States (1,510,350 bushels or 2%), Pacific Northwest States (259,482 bushels or less than 1%), and all other miscellaneous destinations (11,533,800 bushels or 18%).

SUNFLOWER SHIPMENTS 1978-79 to 1987-88

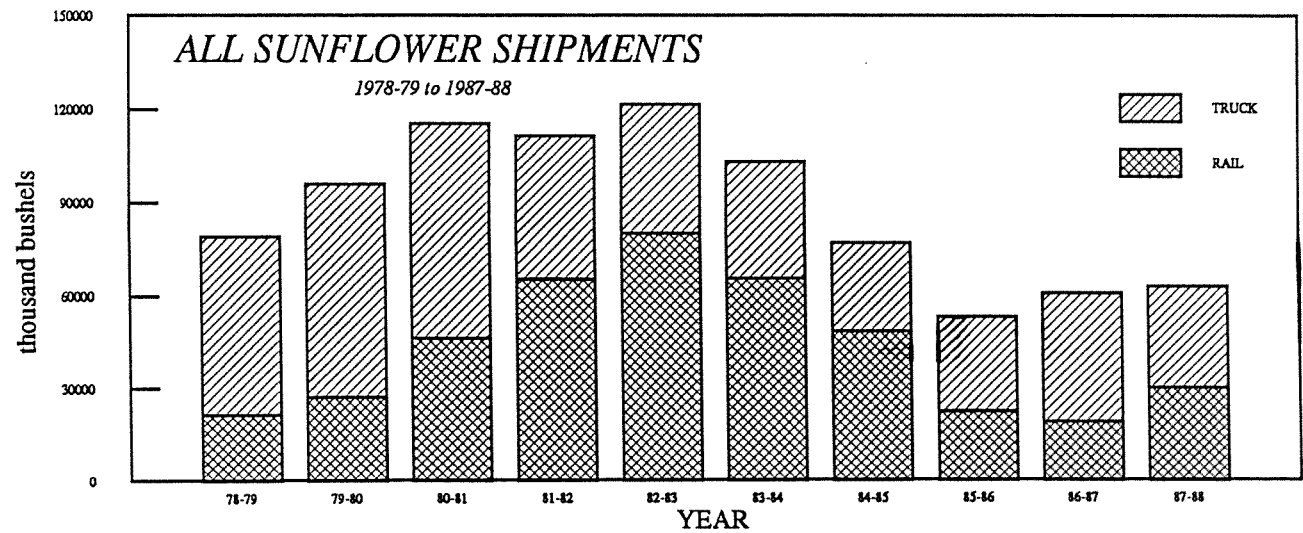
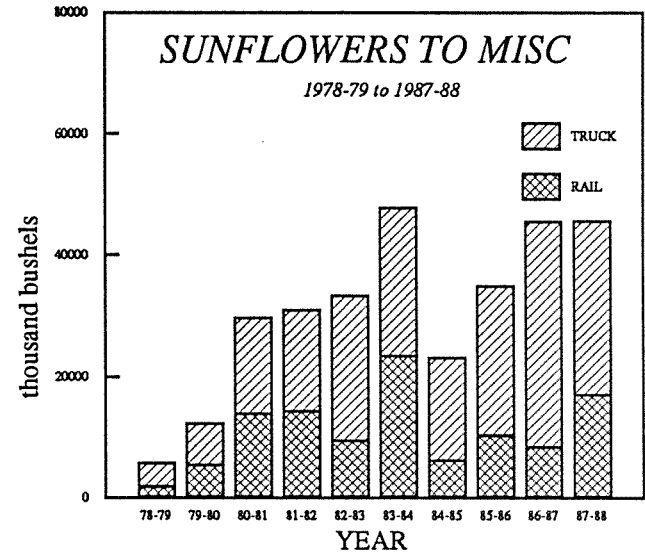
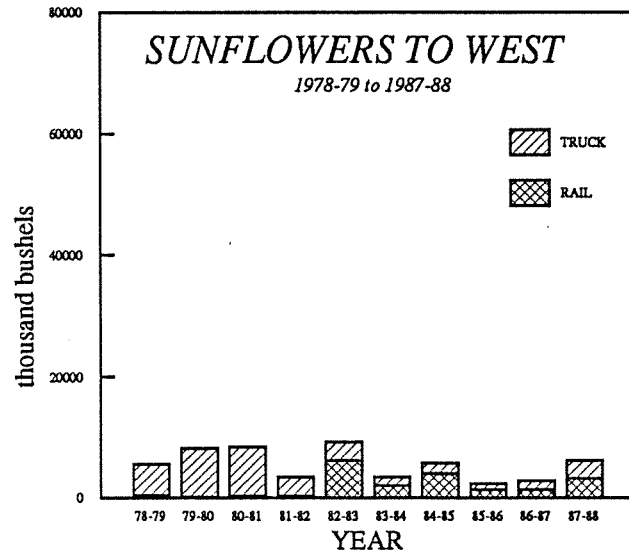
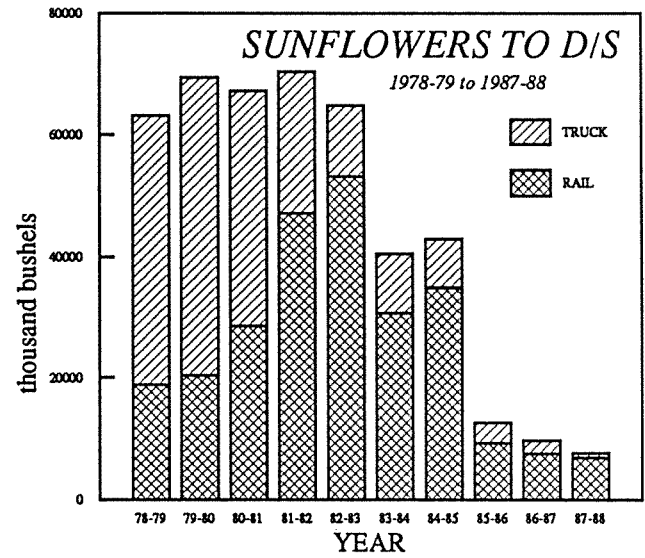
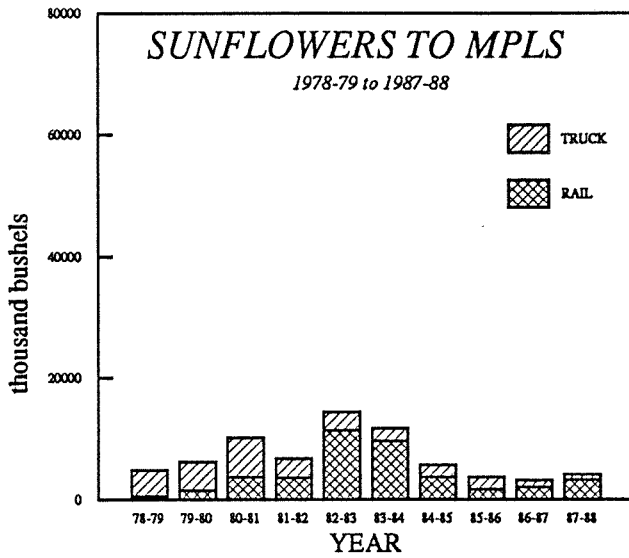


SUNFLOWER SHIPMENTS BY MONTH, 1987-88



NORTH DAKOTA SUNFLOWER SEED SHIPMENTS
BY RAIL, TRUCK AND DESTINATION

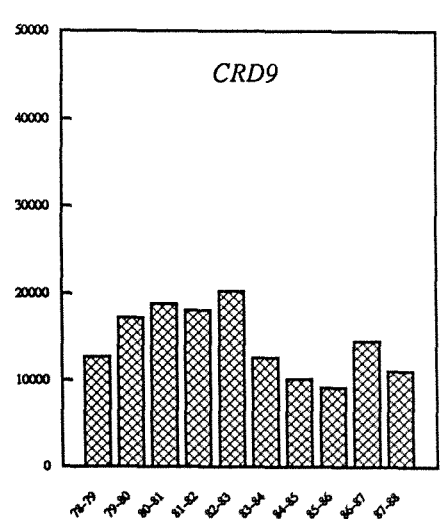
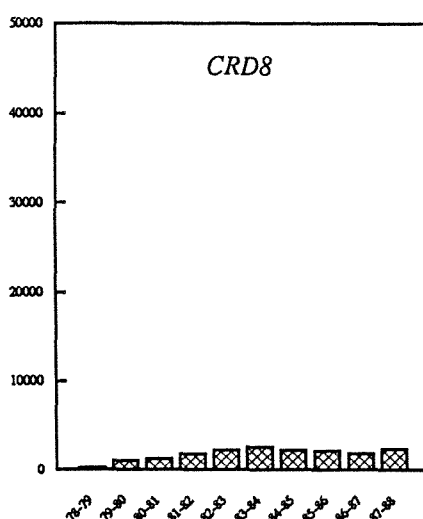
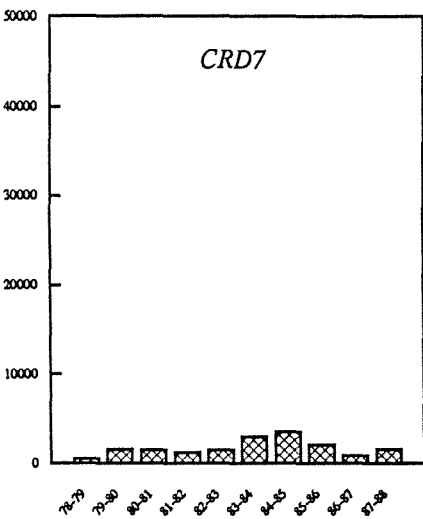
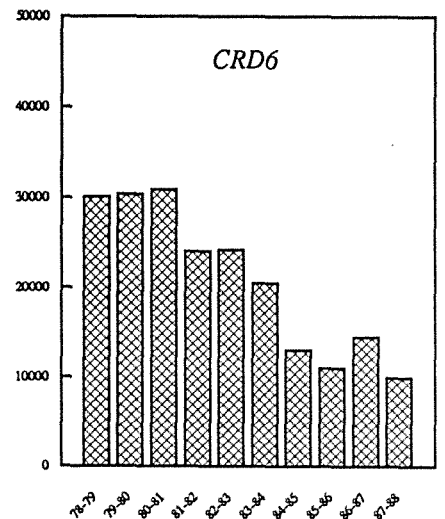
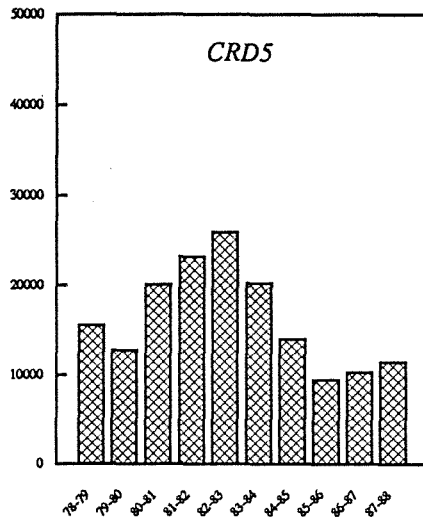
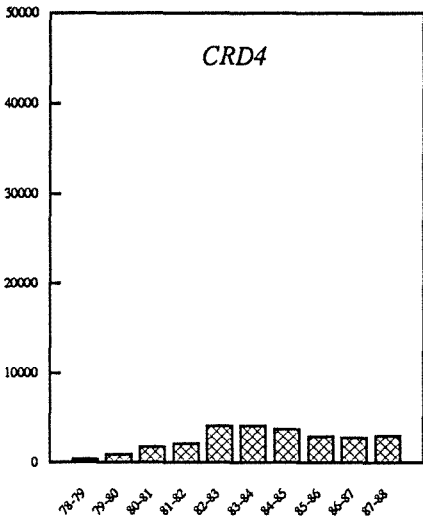
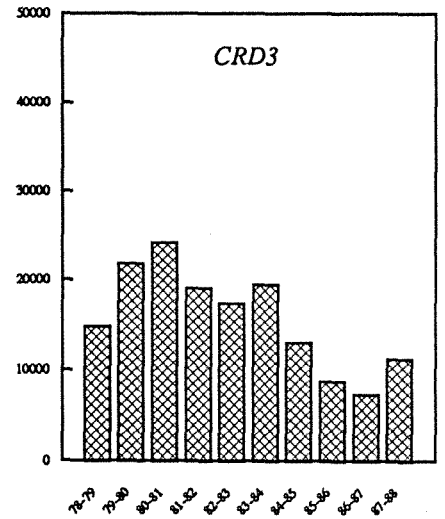
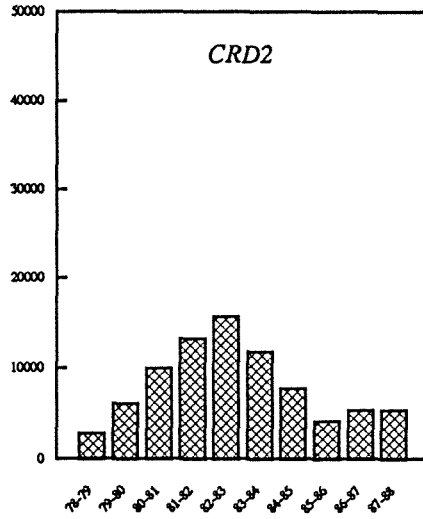
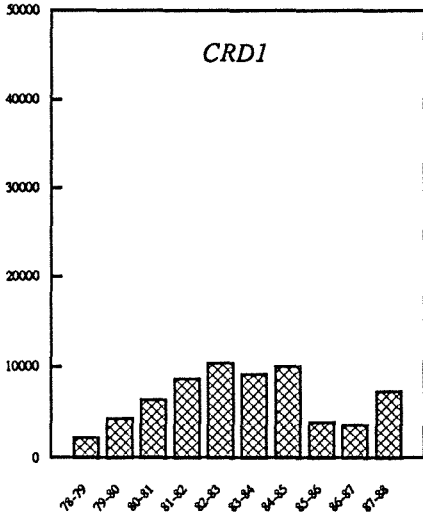
YEAR	<u>MINNEAPOLIS-ST. PAUL</u>		<u>DULUTH-SUPERIOR</u>		<u>OTHER MINN.</u>		<u>MISC. MARKETS</u>		<u>TOTAL</u>	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
1976-77	700 (81%)	163 (19%)	5,598 (64%)	3,095 (36%)	256 (19%)	1,114 (81%)	1,966 (42%)	2,730 (58%)	8,520 (55%)	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%)
3 Year Average	2,276 (63%)	1,340 (37%)	7,883 (79%)	2,115 (21%)	2,066 (54%)	1,789 (46%)	11,788 (28%)	30,085 (76%)	24,013 (40%)	35,092 (100%)



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%)
3 Year Average	4,929 (8%)	5,012 (8%)	9,113 (15%)	2,893 (5%)	10,365 (17%)	11,769 (20%)	1,543 (3%)	2,133 (4%)	11,629 (20%)	59,325 (100%)

SUNFLOWER SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



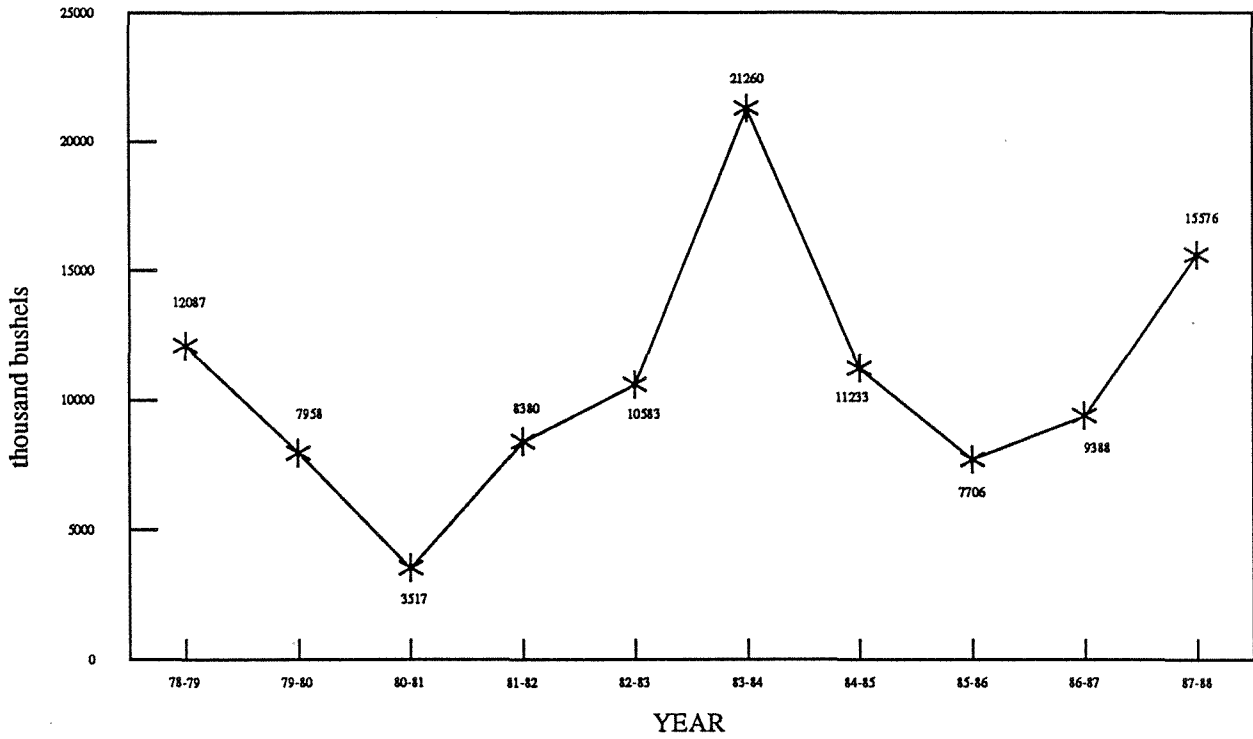
OATS

NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION

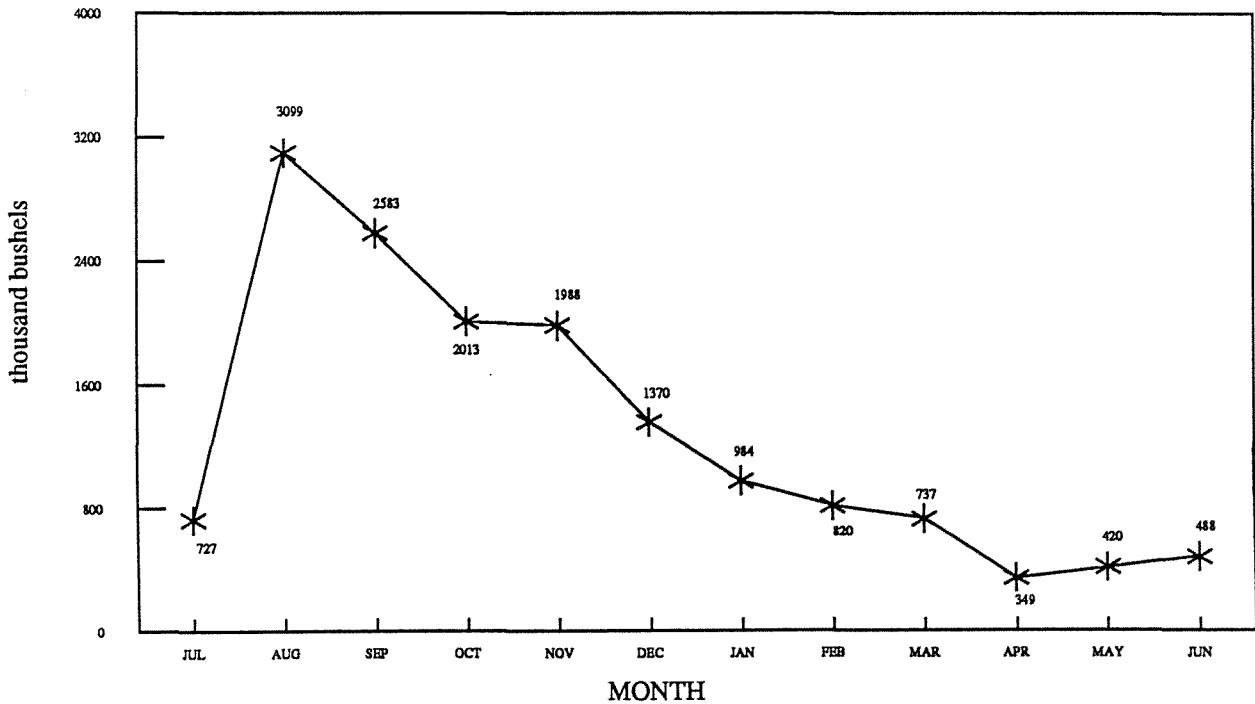
YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1976-77	6,769 (56%)	1,932 (16%)	1,427 (12%)	2,031 (17%)	12,159 (100%)
1977-78	5,860 (56%)	2,385 (23%)	851 (8%)	1,396 (13%)	10,492 (100%)
1978-79	6,969 (58%)	2,078 (17%)	1,200 (10%)	1,839 (15%)	12,086 (100%)
1979-80	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 ^a (46%)	15,576 (100%)
3 Year Average	5,203 (52%)	71 (1%)	240 (2%)	4,915 (45%)	10,890 (100%)

* Miscellaneous markets for oats include Midland/Southwest States (3,902,411 bushels or 25%), Other Minnesota/Wisconsin (1,999,300 bushels or 13%), North Dakota destinations (551,597 bushels or 4%), and all other miscellaneous destinations (730,104 bushels or 5%).

OATS SHIPMENTS 1978-79 to 1987-88

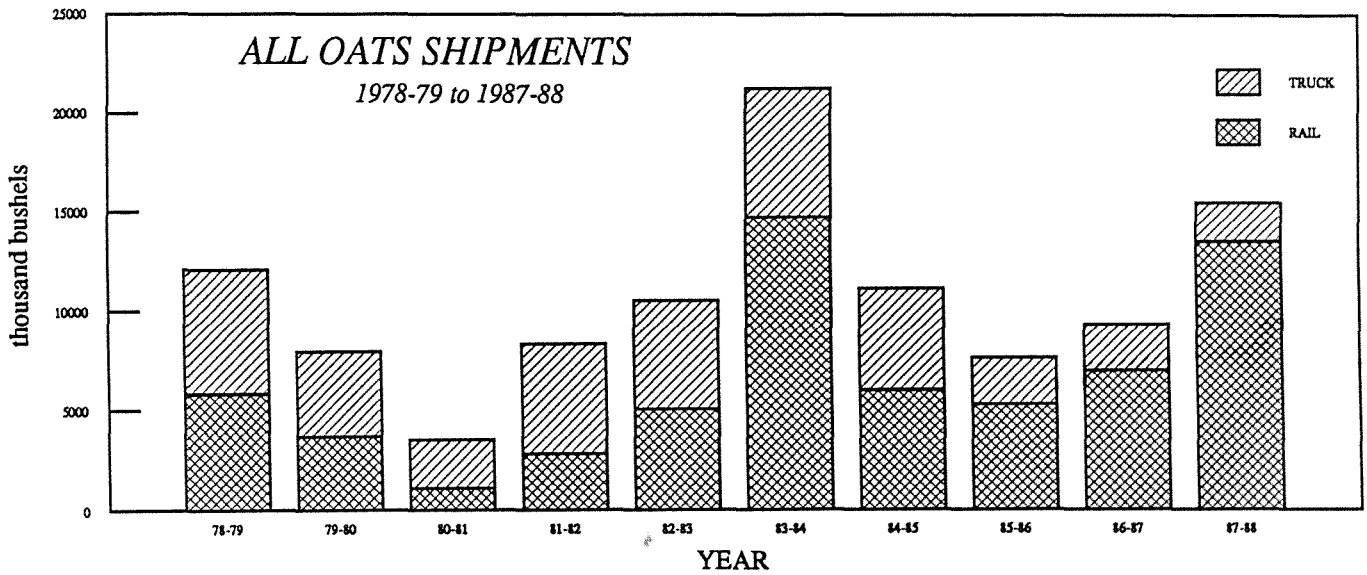
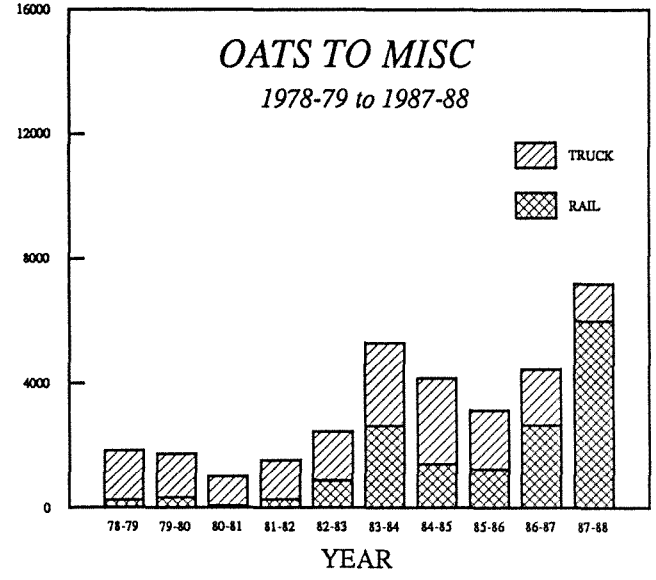
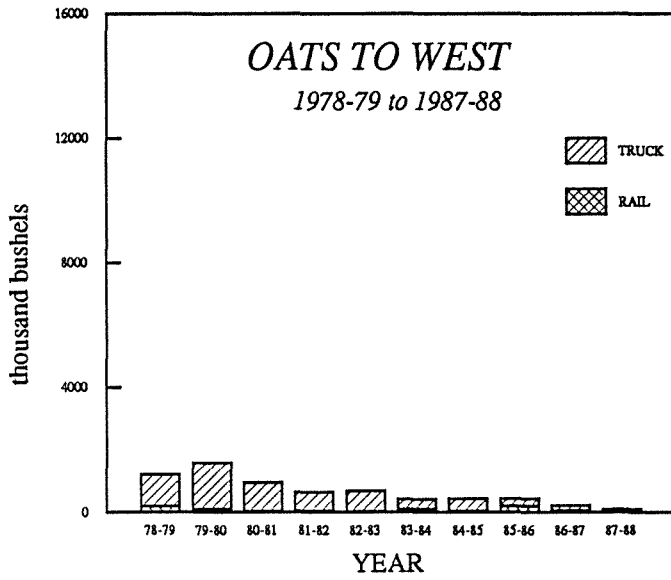
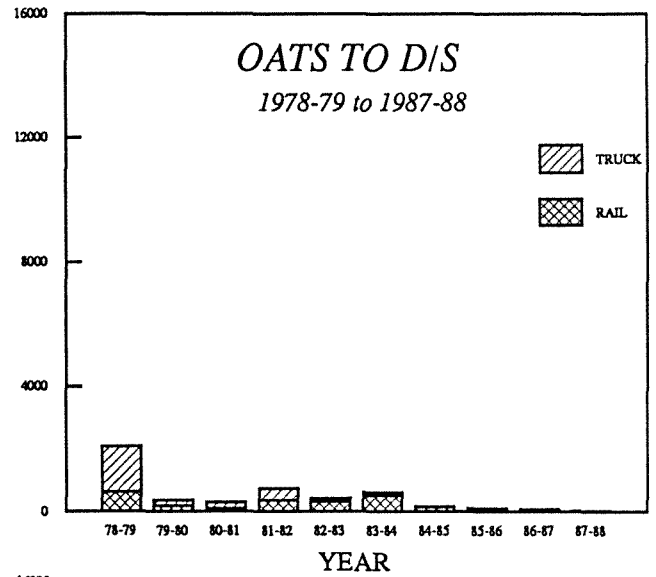
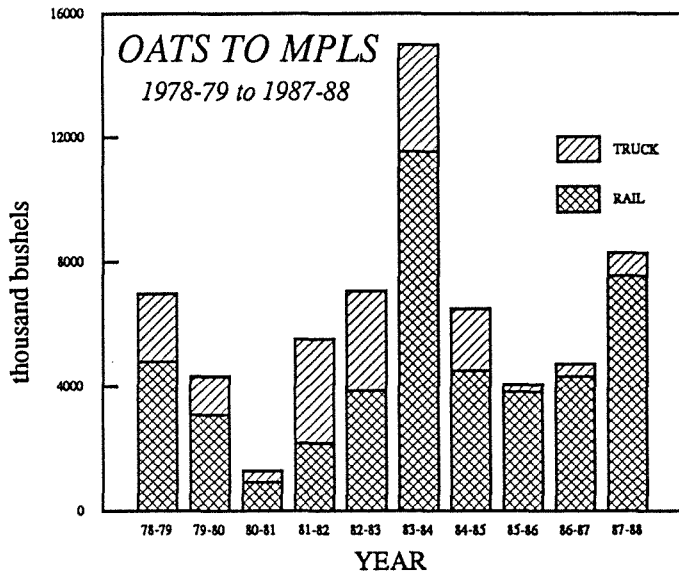


OATS SHIPMENTS BY MONTH, 1987-88



NORTH DAKOTA OATS SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

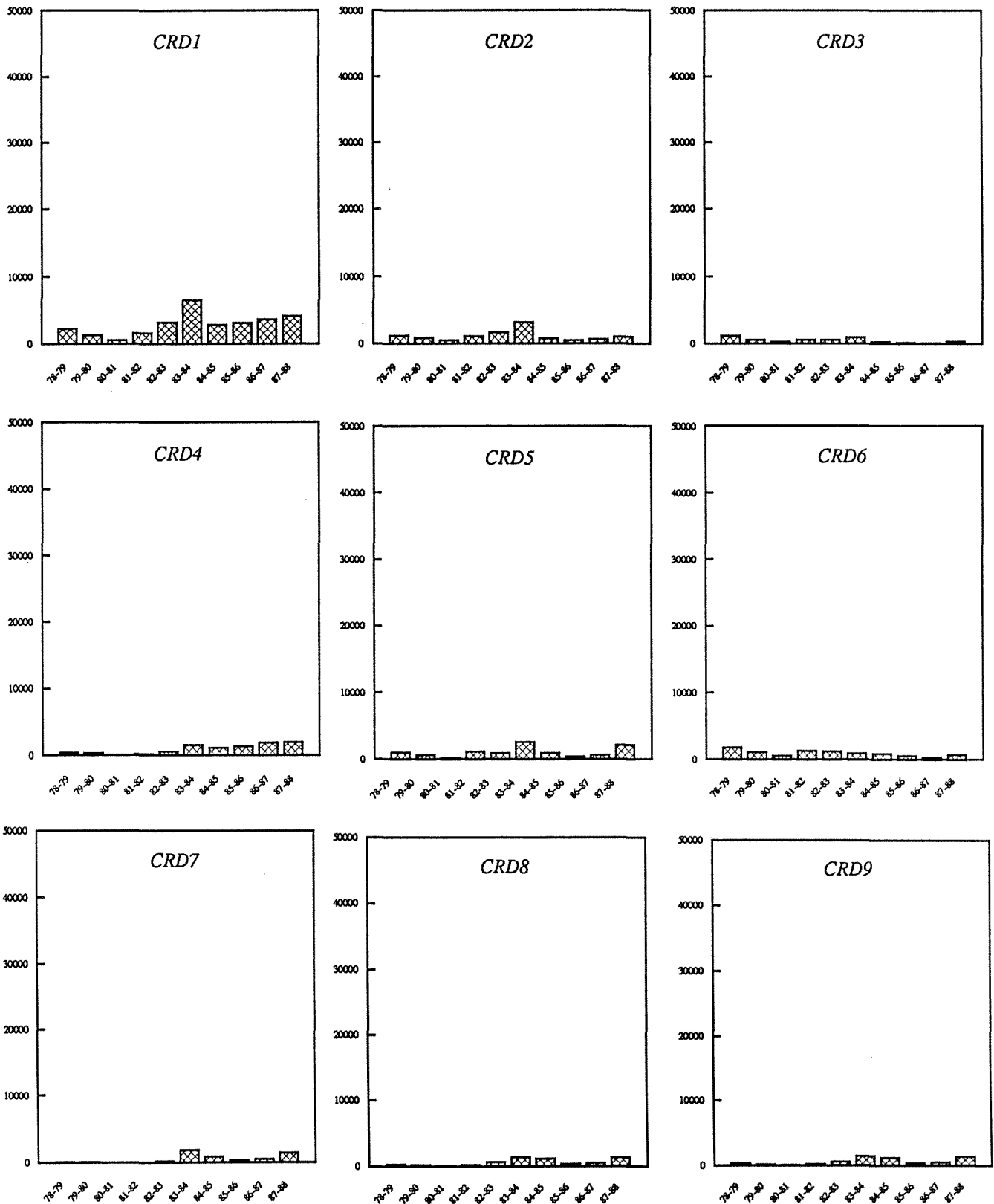
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1976-77	4,602 (68%)	2,166 (32%)	761 (39%)	1,171 (61%)	121 (8%)	1,306 (92%)	231 (11%)	1,800 (89%)	5,715 (47%)	6,443 (53%)
1977-78	4,244 (72%)	1,616 (28%)	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%)
3 Year Average	5,203 (92%0	461 (8	69 (96%)	3 (4%)	102 (42%)	138 (58%)	3,300 (67%)	1,614 (33%)	8,674 (80%)	2,216 (20%)



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%)	2,009 (13%)	2,101 (13%)	729 (5%)	1,443 (9%)	1,365 (9%)	2,398 (15%)	15,576 (100%)
3 Year Average	2,614 (31%)	558 (7%)	141 (2%)	1,286 (15%)	914 (11%)	361 (4%)	632 (8%)	609 (7%)	1,203 (14%)	8,319 (100%)

OATS SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



SOYBEANS

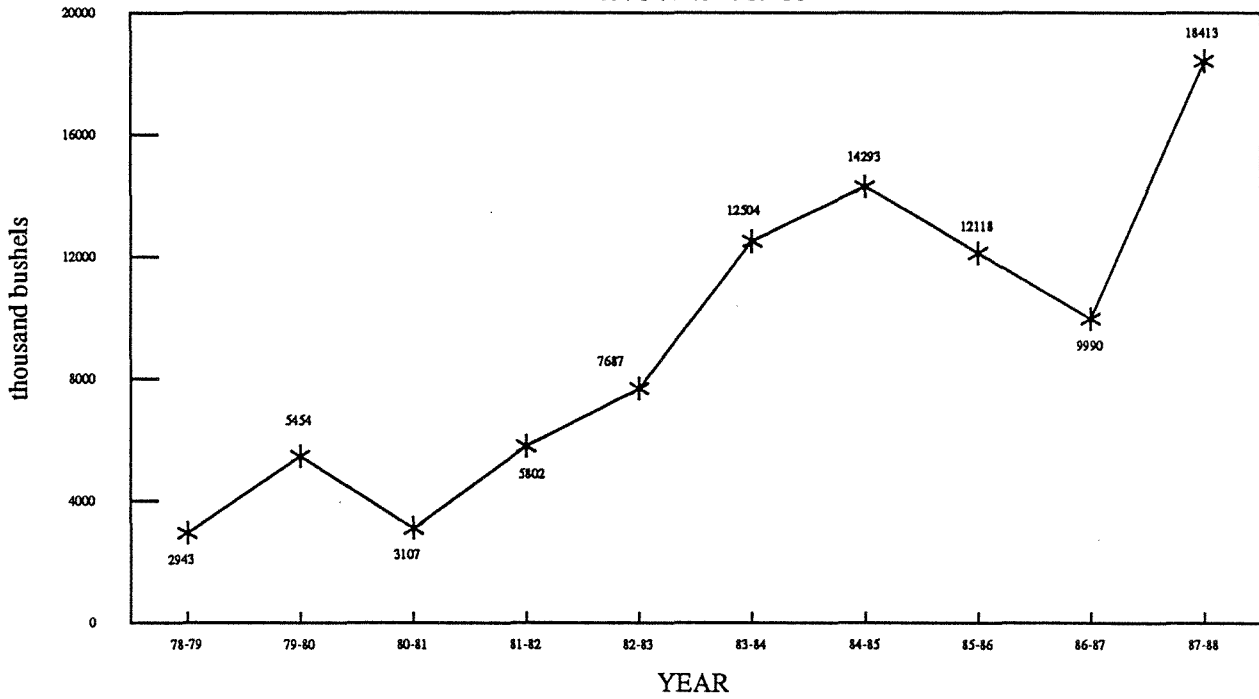
NORTH DAKOTA SOYBEAN SHIPMENTS
BY DESTINATION

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%)
3 Year Average	5,113 (38%)	1,050 (8%)	4,524 (33%)	2,820 (21%)	13,507 (100%)

* Miscellaneous markets for soybeans include North Dakota destinations (479,361 bushels or 3%), Midland/Southwest States (648,320 bushels or 4%), Other Minnesota/Wisconsin (599,692 bushels or 3%), and all other miscellaneous destinations (1,423,066 bushels or 8%).

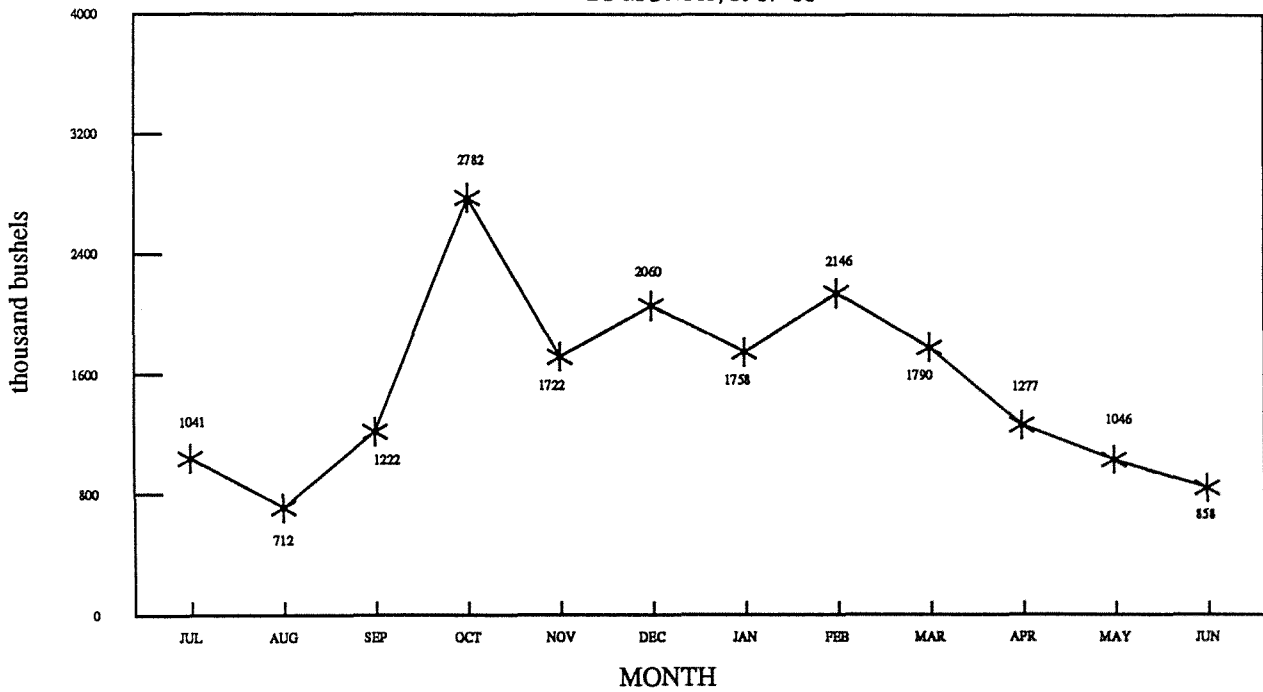
ALL SOYBEAN SHIPMENTS

1978-79 to 1987-88



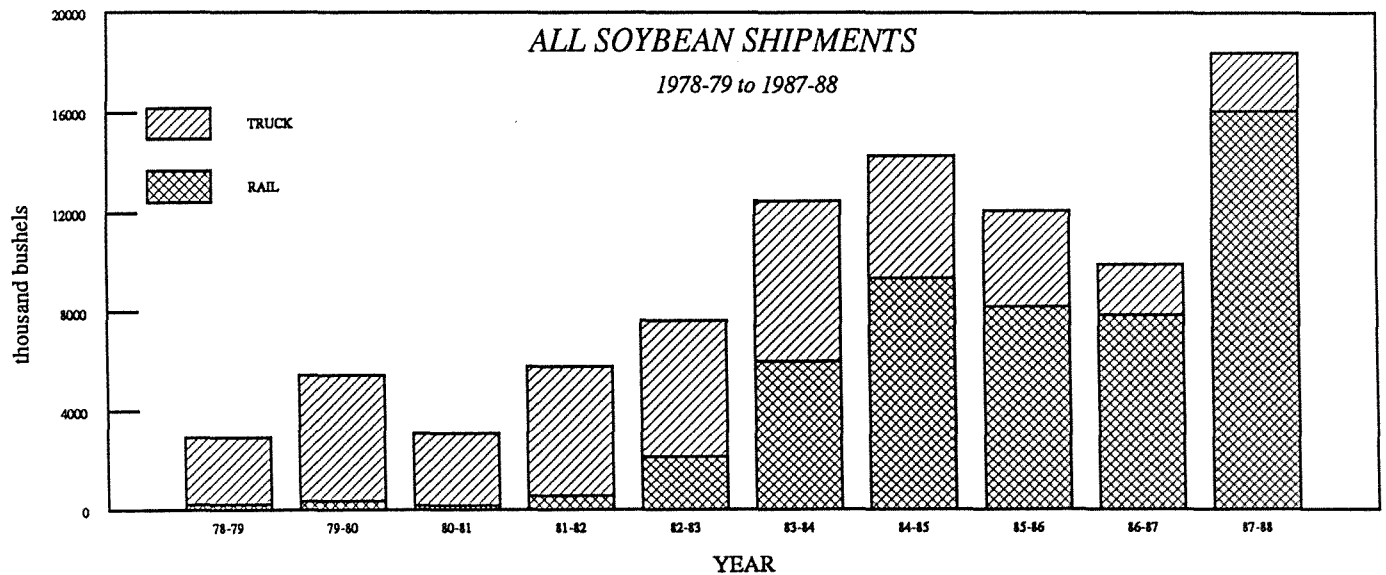
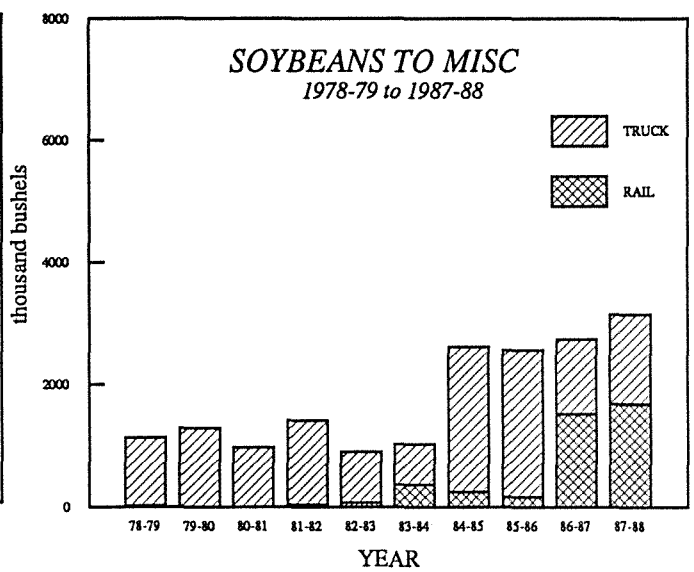
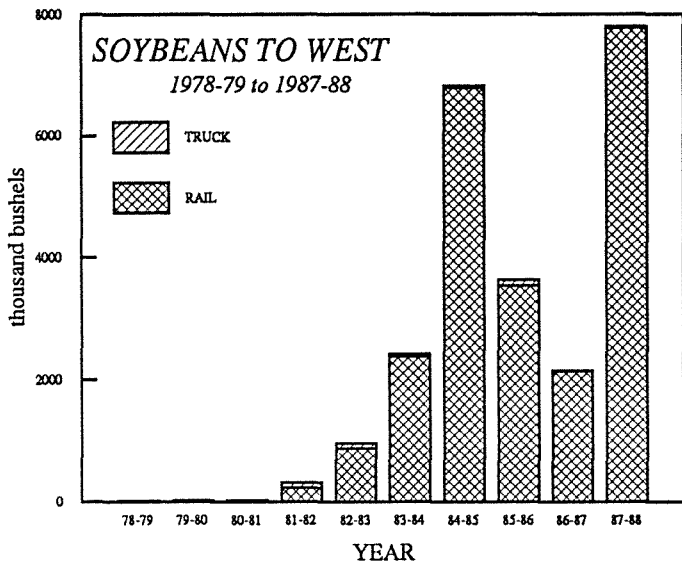
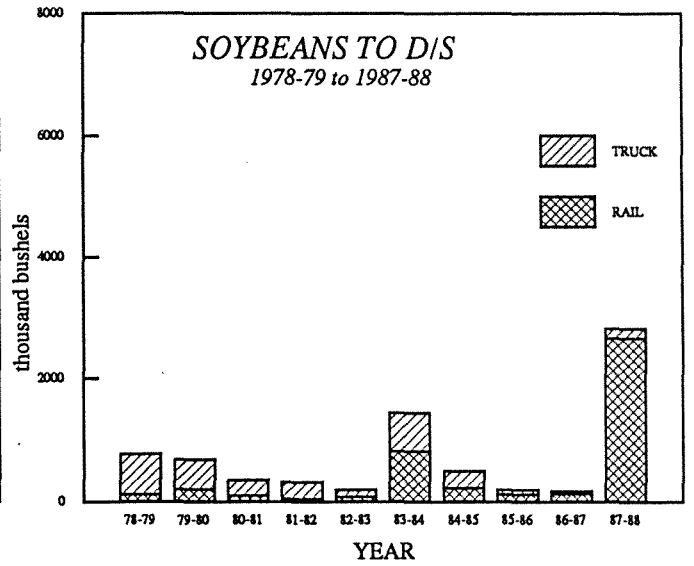
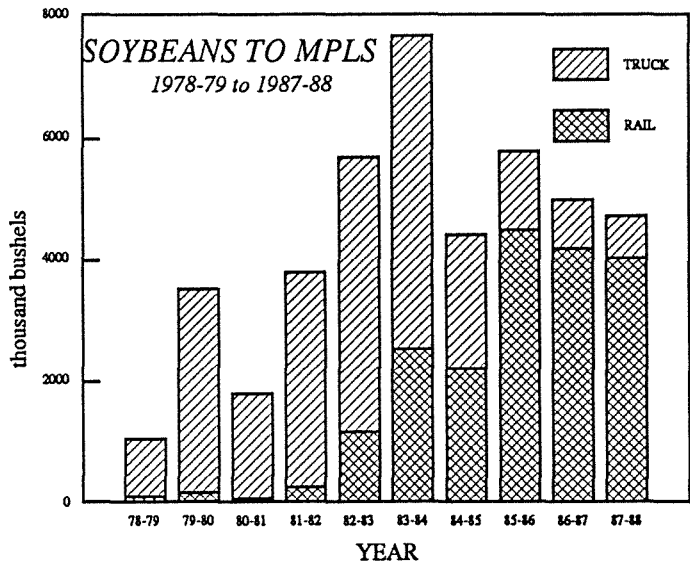
SOYBEAN SHIPMENTS

BY MONTH, 1987-88



NORTH DAKOTA SOYBEAN SHIPMENTS
BY RAIL, TRUCK AND DESTINATION

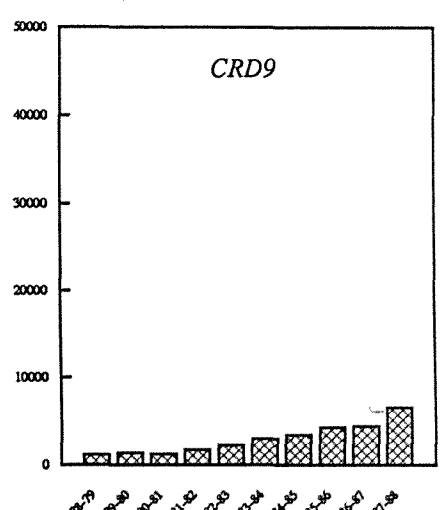
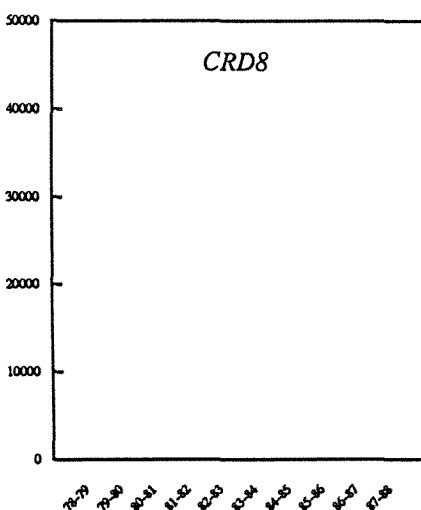
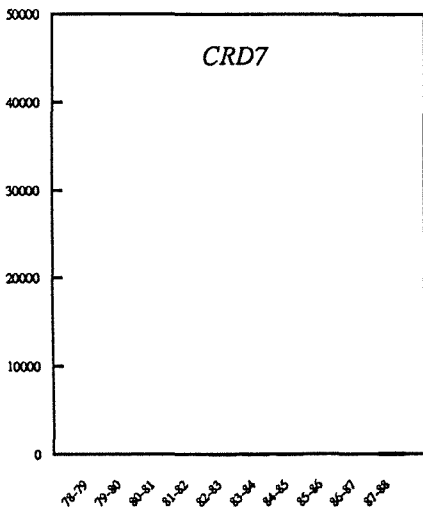
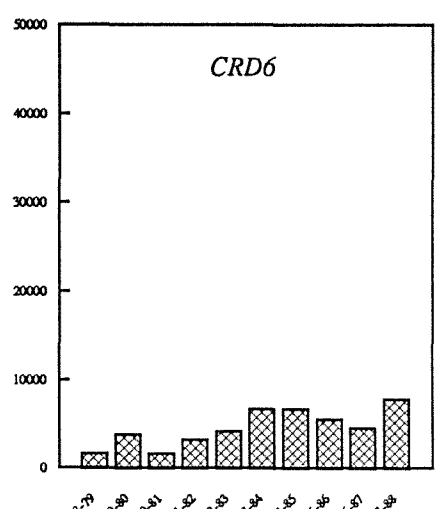
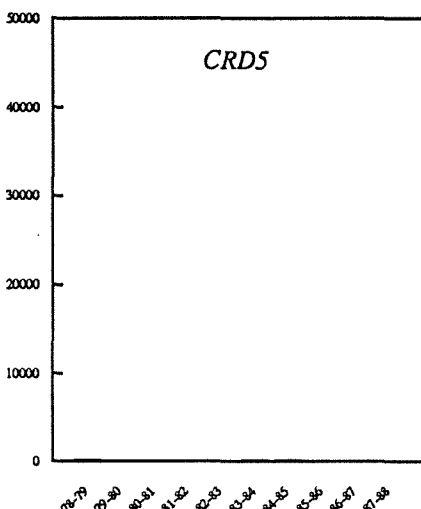
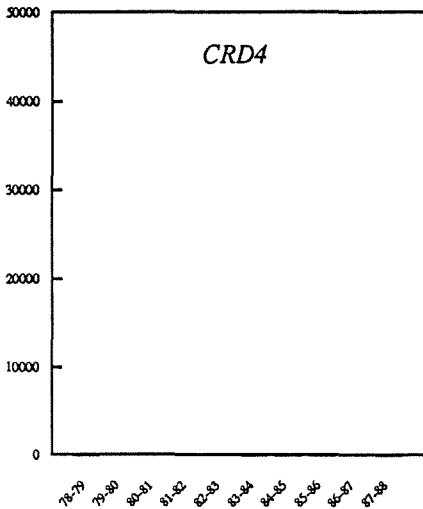
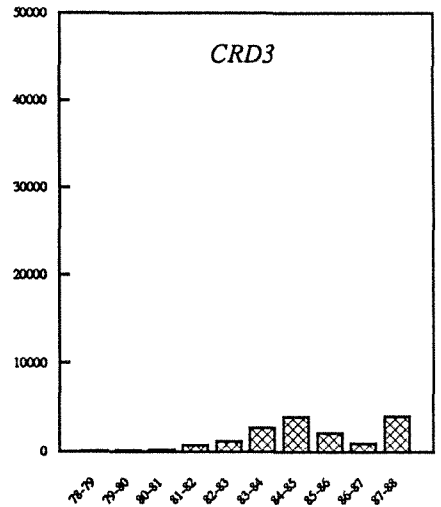
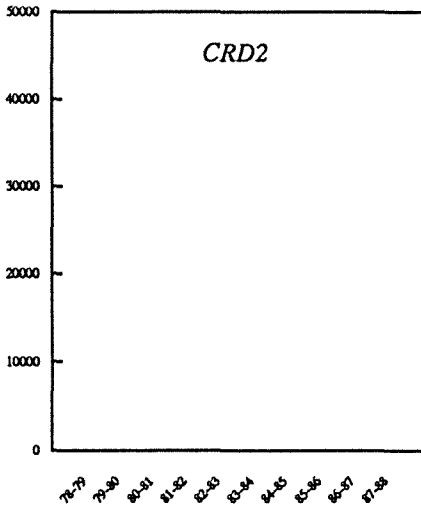
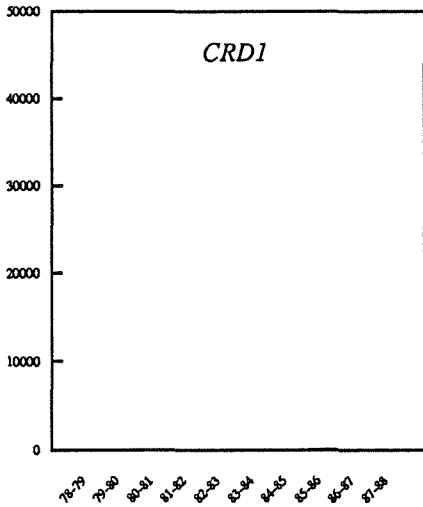
YEAR	<u>MINNEAPOLIS-ST. PAUL</u>		<u>DULUTH-SUPERIOR</u>		<u>WEST</u>		<u>MISC. MARKETS</u>		<u>TOTAL</u>	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1976-77	15 (4%)	373 (96%)	59 (83%)	12 (17%)	1 (4%)	20 (96%)	22 (1%)	1,438 (99%)	97 (5%)	1,844 (95%)
1977-78	28 (8%)	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%)
3 Year Average	4,183 (82%)	930 (18%)	960 (91%)	90 (9%)	4,481 (99%)	44 (1%)	1,133 (40%)	1,687 (60%)	10,757 (80%)	2,750 (20%)



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%)
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%)
3 Year Average	21 (0%)	9 (0%)	2,346 (17%)	5 (0%)	34 (0%)	5,965 (44%)	38 (0%)	9 (0%)	5,114 (38%)	13,541 (100%)

SOYBEAN SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



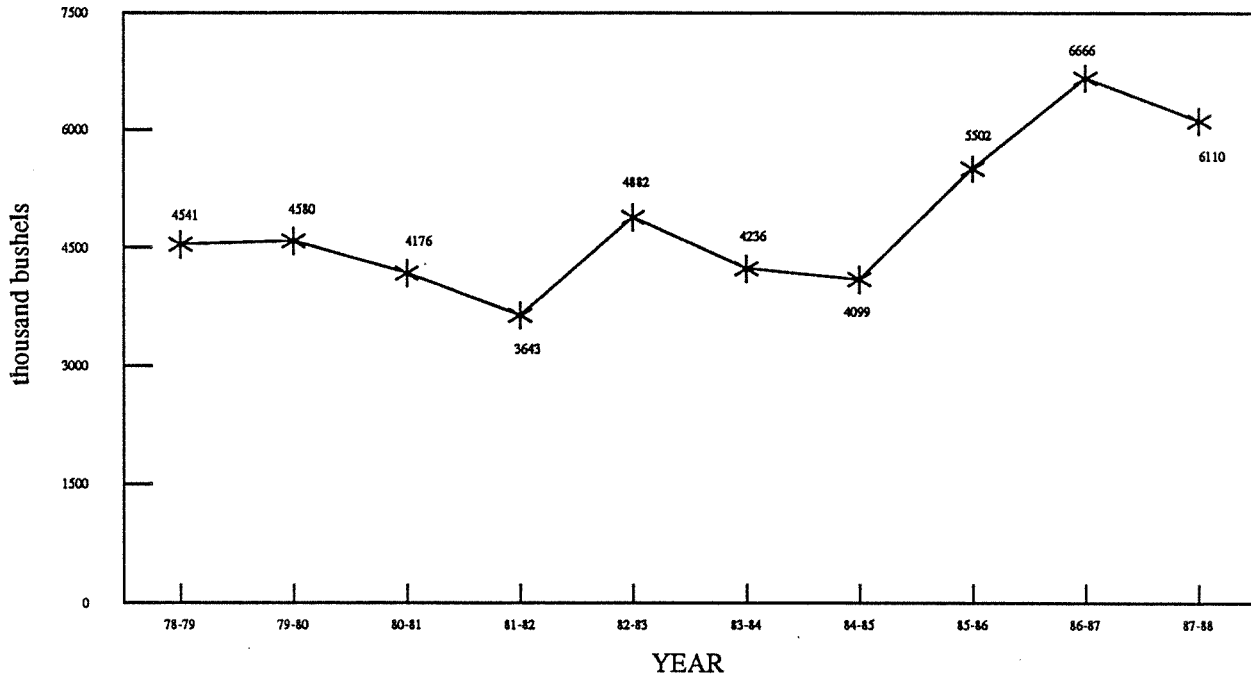
FLAX

NORTH DAKOTA FLAXSEED SHIPMENTS BY DESTINATION

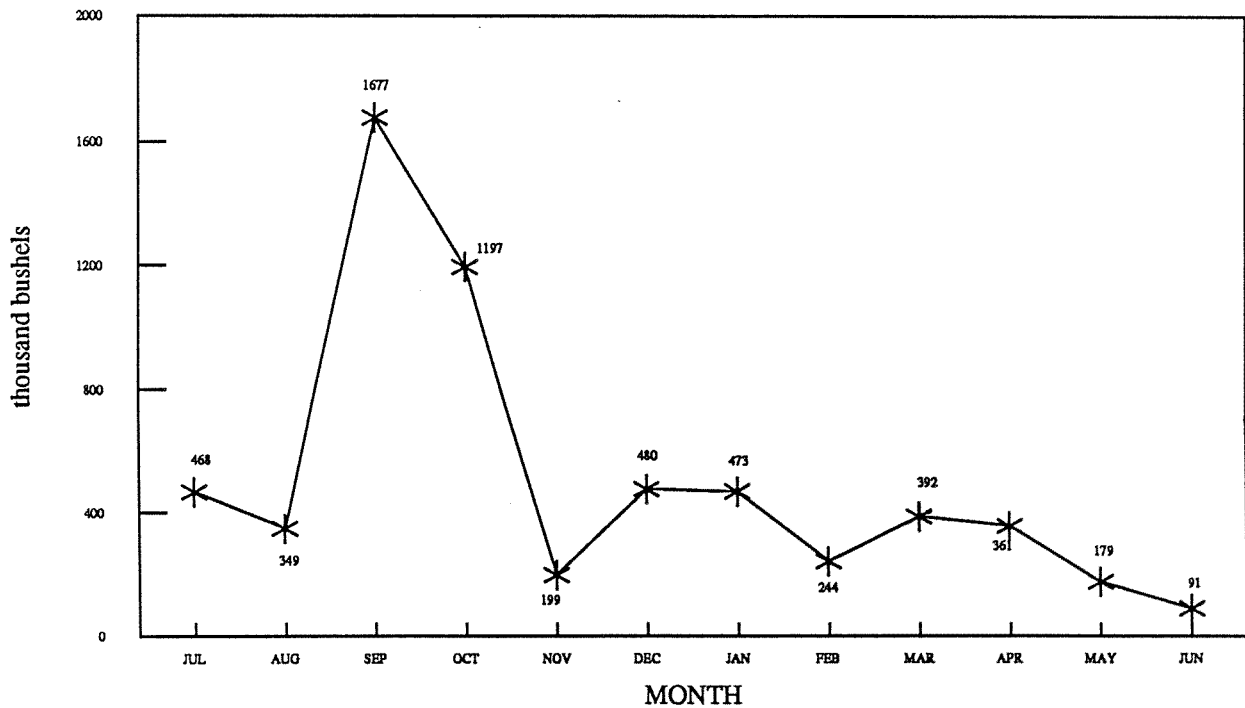
YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1976-77	4,260 (87%)	284 (6%)	59 (1%)	279 (6%)	4,882 (100%)
1977-78	4,941 (80%)	748 (12%)	72 (1%)	413 (7%)	6,174 (100%)
1978-79	4,054 (89%)	153 (3%)	21 (1%)	313 (7%)	4,541 (100%)
1979-80	4,114 (90%)	195 (4%)	10 (1%)	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%)
3 Year Average	1,594 (29%)	192 (4%)	49 (1%)	3,588 (66%)	5,422 (100%)

* Miscellaneous markets for flaxseed include North Dakota destinations (1,758,079 bushels or 29%), Other Minnesota/Wisconsin (2,006,850 bushels or 33%), Midland/Southwest States (163,263 bushels or 3%), and all other miscellaneous destinations (323,630 bushels or 5%).

FLAX SHIPMENTS
1978-79 to 1987-88

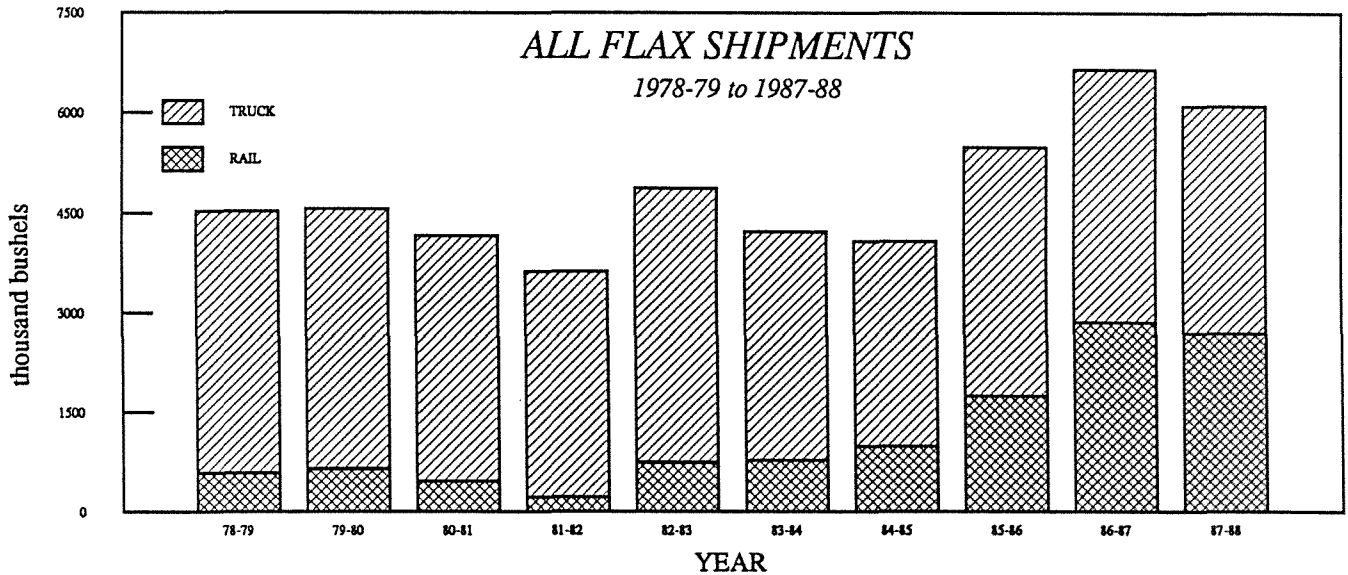
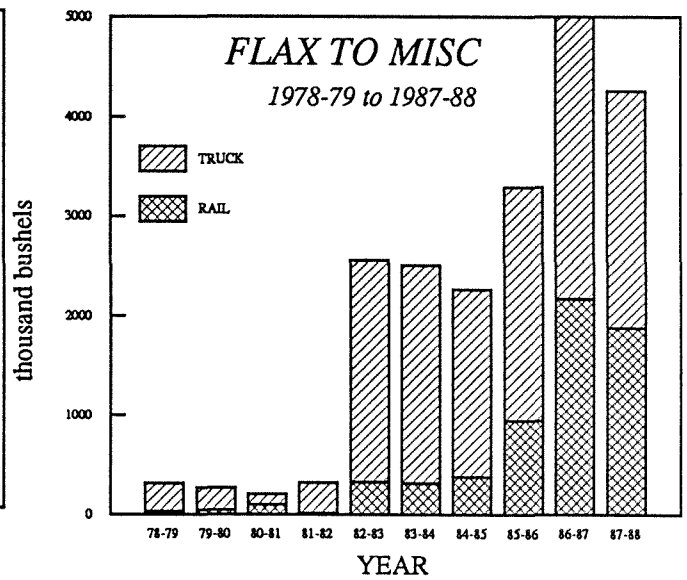
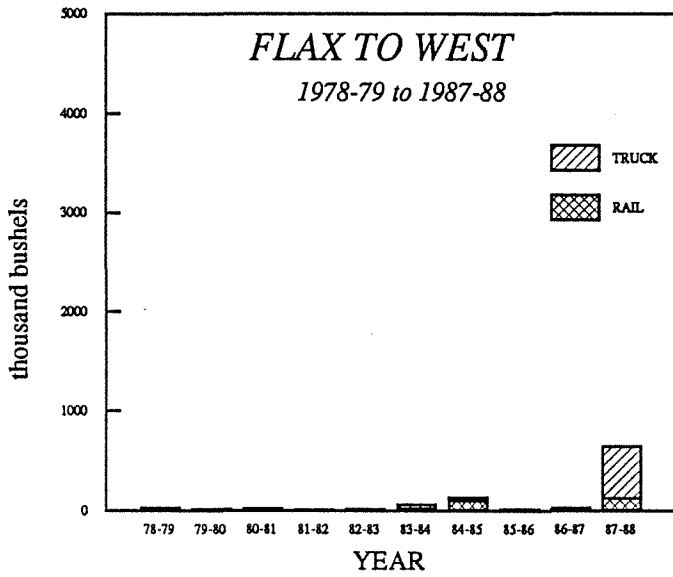
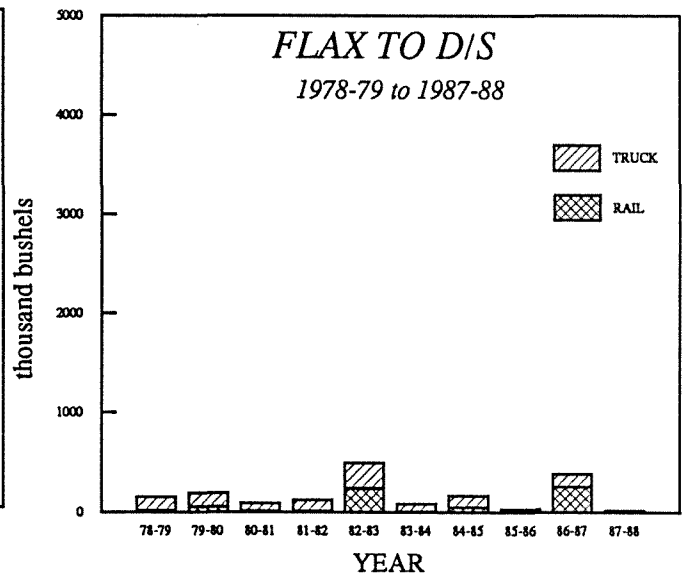
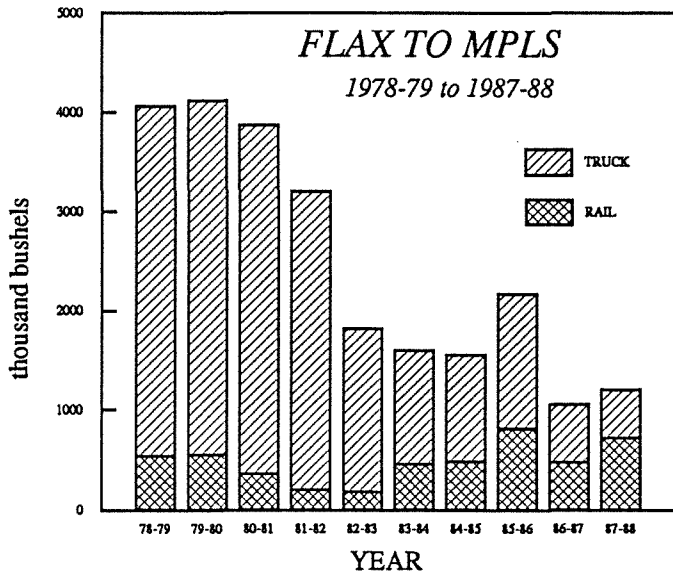


FLAX SHIPMENTS
BY MONTH, 1987-88



NORTH DAKOTA FLAXSEED SHIPMENTS
BY RAIL, TRUCK AND DESTINATION

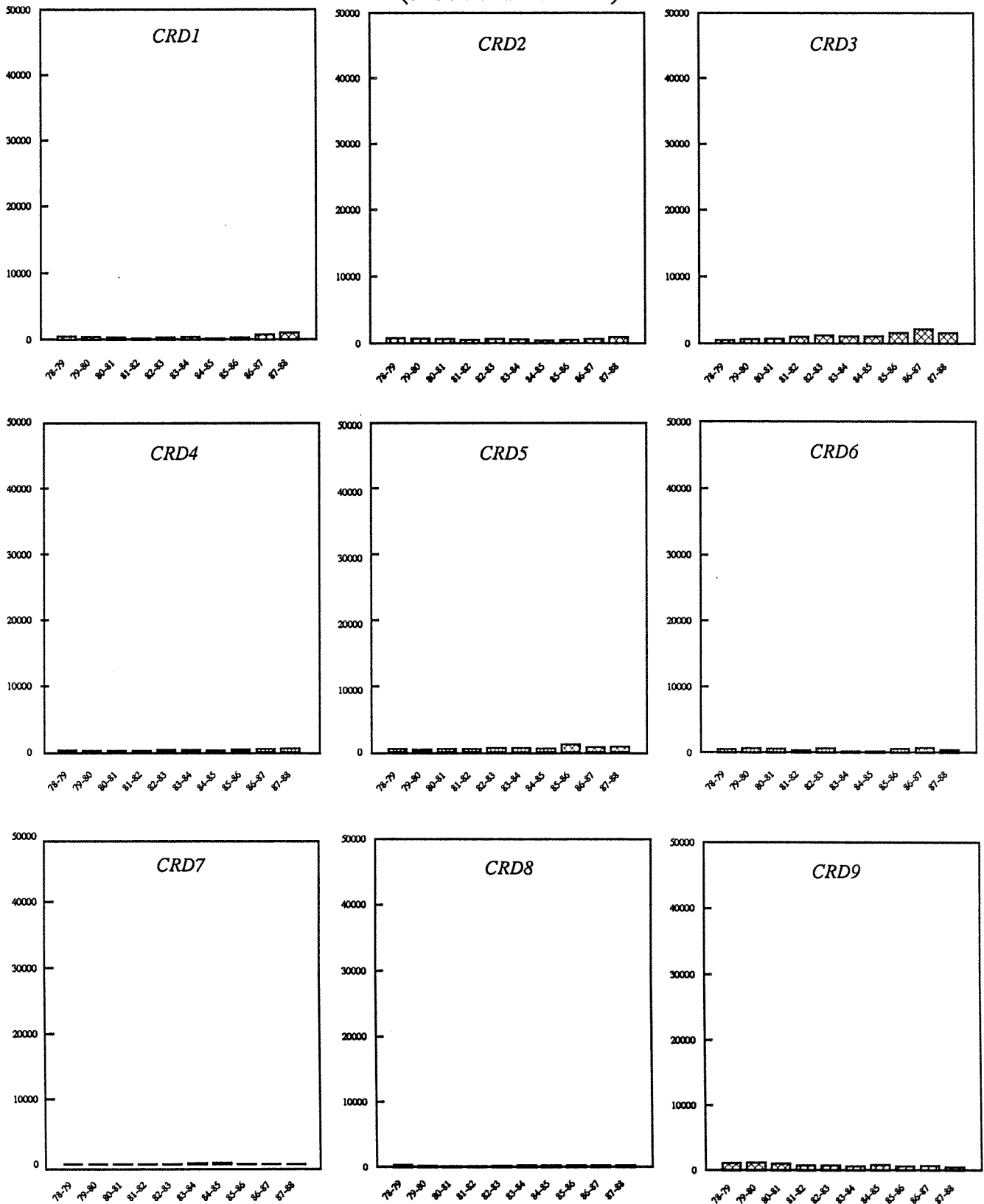
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1976-77	1,046 (25%)	3,214 (75%)	102 (36%)	183 (64%)	0 (0%)	59 (100%)	206 (74%)	74 (26%)	1,354 (28%)	3,530 (72%)
1977-78	987 (20%)	3,954 (80%)	226 (30%)	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%)
3 Year Average	671 (45%)	805 (55%)	93 (65%)	49 (35%)	39 (18%)	183 (82%)	1,659 (39%)	2,593 (61%)	2,462 (40%)	3,631 (60%)



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%)
3 Year Average	714 (12%)	711 (12%)	1,756 (29%)	457 (8%)	942 (15%)	589 (10%)	54 (1%)	258 (4%)	612 (10%)	6,092 (100%)

FLAX SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



CORN

NORTH DAKOTA CORN SHIPMENTS
BY DESTINATION

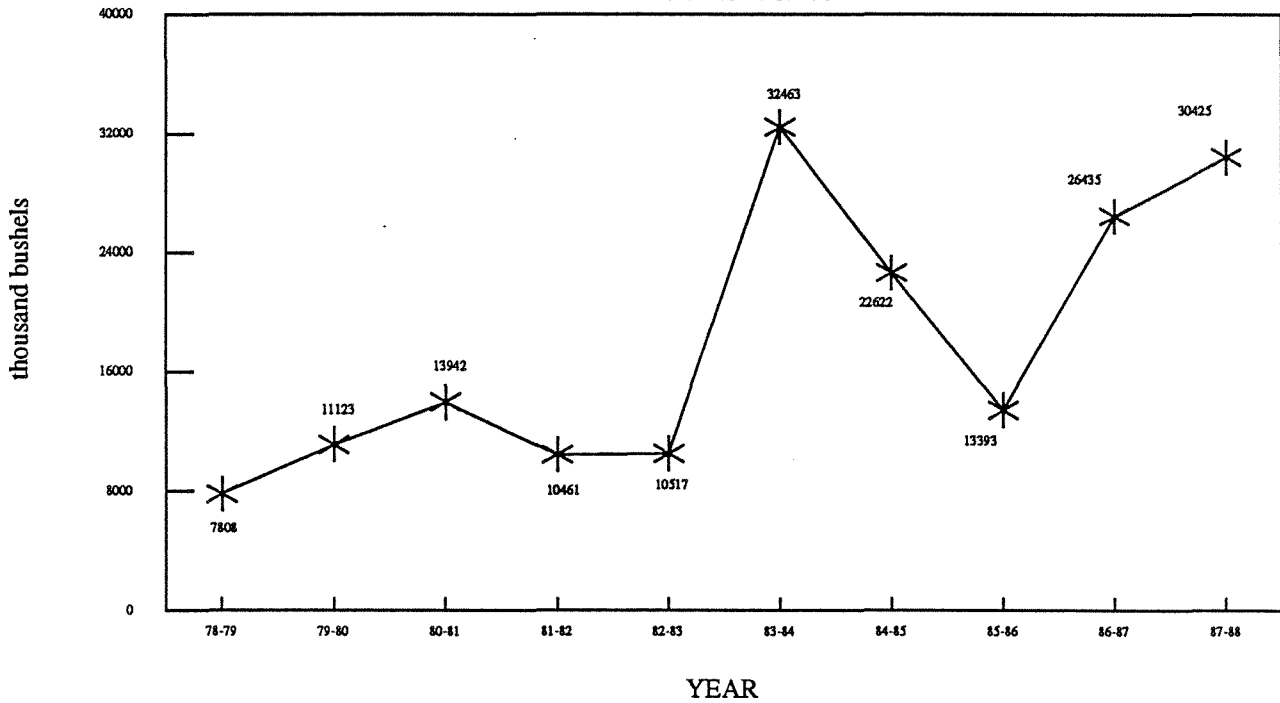
YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
(thousand bu.)					
1977-78*	0	0	0	0	0
1978-79	157 (2%)	262 (3%)	6,373 (82%)	1,019 (13%)	7,808 (100%)
1979-80	265 (2%)	270 (2%)	9,802 (88%)	786 (7%)	11,123 (100%)
1980-81	406 (3%)	154 (1%)	11,409 (82%)	2,013 (14%)	13,942 (100%)
1981-82	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%)	23,978 (79%)	6,080 ^b (20%)	30,425 (100%)
3 Year Average	641 (3%)	60 (0%)	16,472 (70%)	6,244 (27%)	23,418 (100%)

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

^b Miscellaneous markets for corn include Midland/Southwest States (1,592,845 bushels or 5%), North Dakota destinations (1,981,914 bushels or 7%), Other Minnesota/Wisconsin (361,264 bushels or 1%), and all other miscellaneous destinations (2,143,781 bushels or 7%).

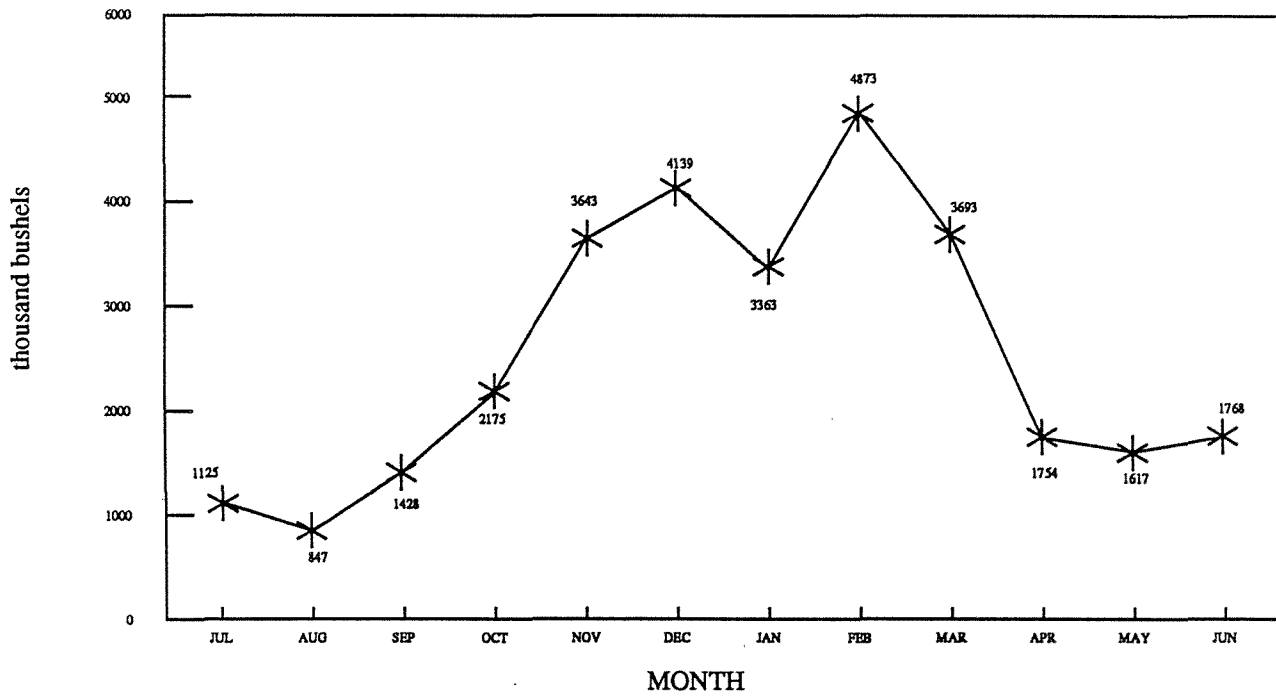
CORN SHIPMENTS

1978-79 to 1987-88



CORN SHIPMENTS

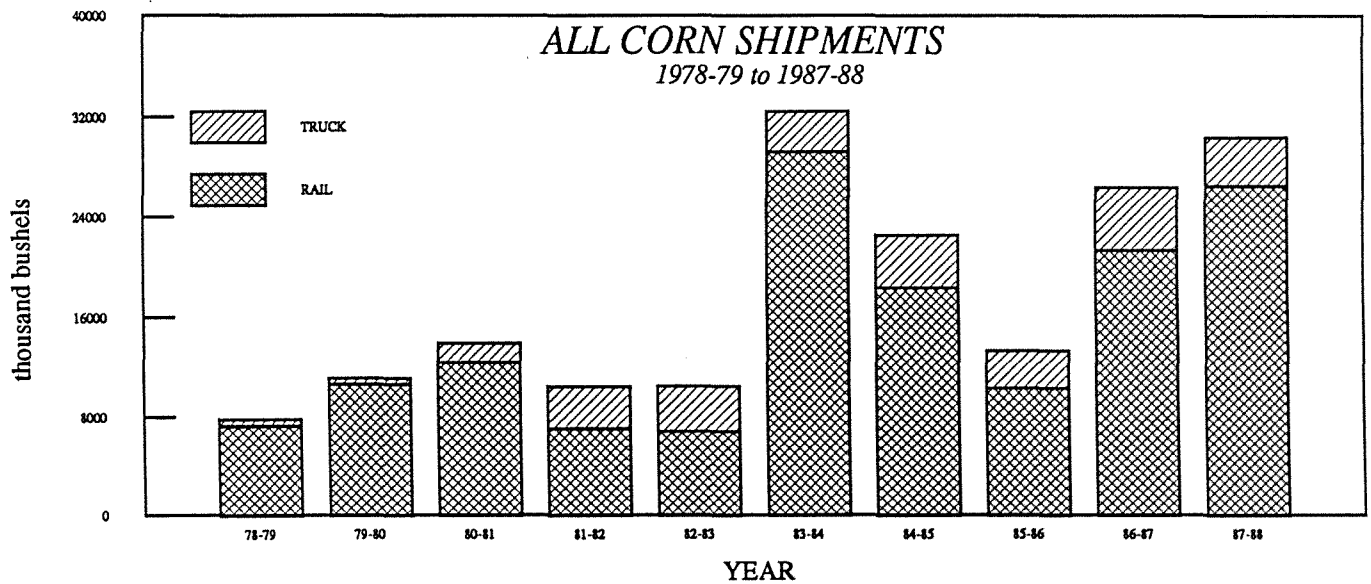
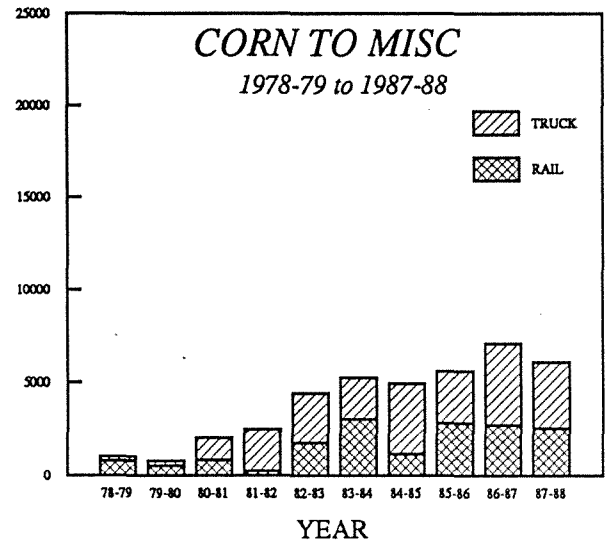
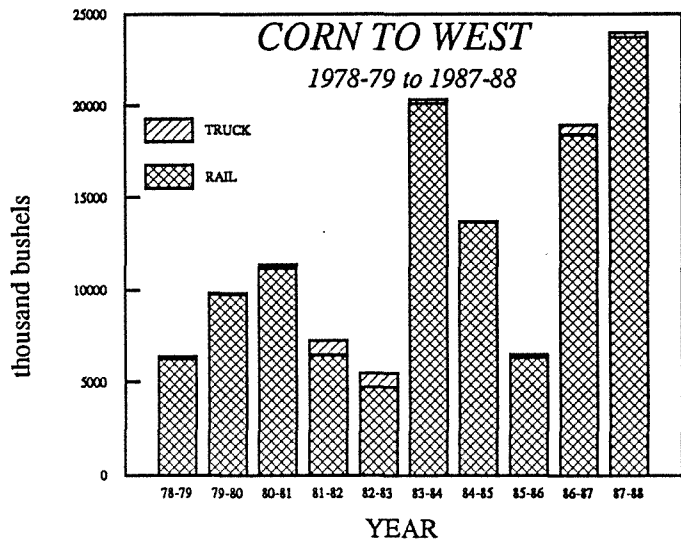
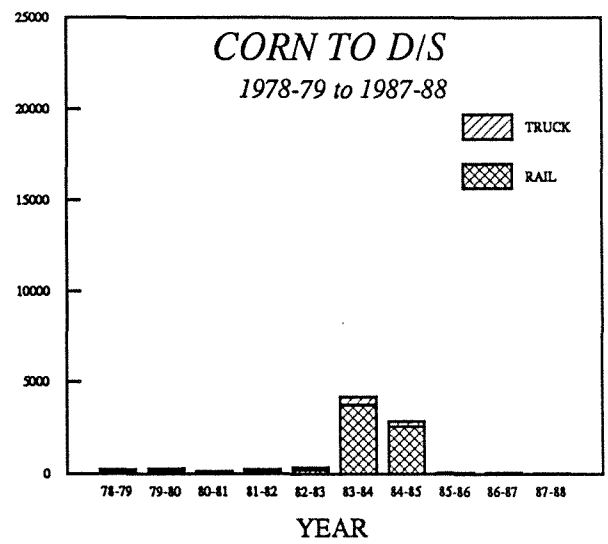
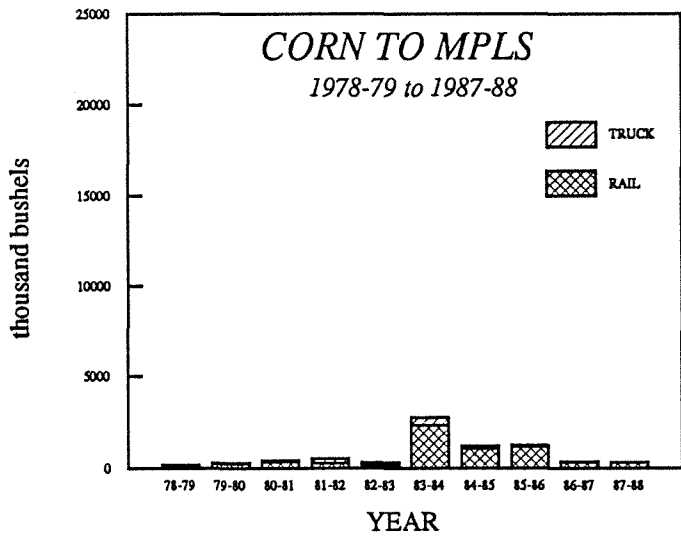
BY MONTH, 1987-88



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%)
3 Year Average	588 (92%)	54 (8%)	38 (62%)	23 (38%)	16,151 (98%)	321 (2%)	2,681 (43%)	3,563 (57%)	19,457 (83%)	3,960 (17%)

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



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%)
3 Year Average	5 (0%)	55 (0%)	1,106 (5%)	78 (0%)	376 (2%)	7,019 (30%)	25 (0%)	46 (0%)	14,708 (63%)	23,418 (100%)

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

CORN SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)

