

**NORTH DAKOTA GRAIN AND
OILSEED TRANSPORTATION STATISTICS
1981-82**

By

**Dennis R. Ming
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in cooperation with

**NORTH DAKOTA STATE WHEAT COMMISSION
BISMARCK, NORTH DAKOTA**

and

**NORTH DAKOTA PUBLIC SERVICE COMMISSION
BISMARCK, NORTH DAKOTA**

JANUARY 1983

PREFACE

The 1981-82 North Dakota Grain and Oilseed Transportation Statistics Report was prepared by Dennis Ming, Research Associate and Bill Kuntz, Research Assistant, 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 the 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, the 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
1981-82

Objective of Report

This report represents a continuation of analyses 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 grains and oilseeds from North Dakota.

Scope of Report

The data were tabulated according to the major characteristics which typically describe commodity flows. The major characteristics considered were: destination of shipment, mode of shipment, origin of shipment, time of shipment, and commodity shipped. These characteristics were defined as follows:

Destination of shipment: Minneapolis-St. Paul, Duluth-Superior, West (includes western states and North Pacific ports), and Miscellaneous Markets.

Mode of Shipment: Rail or truck. Rail includes Commodity Credit Corporation shipments.

Origin of shipment: The nine crop reporting districts in North Dakota (Figure 1).

Time of shipment: By month, from July, 1981 to June, 1982 and previous years.

Commodity shipped: Hard red spring wheat, durum, barley, sunflower, oats, rye, flaxseed and corn.

Source of Data

The data used to analyze North Dakota grain distribution patterns for the period July, 1981 through June, 1982, were obtained from all country elevators in North Dakota. The source of the data is the North Dakota Public Service Commission's "Grain Movement Reports." Every country elevator in North Dakota is required under state statute to assemble and submit to the Public Service Commission such information desired by the Commission on a monthly basis.

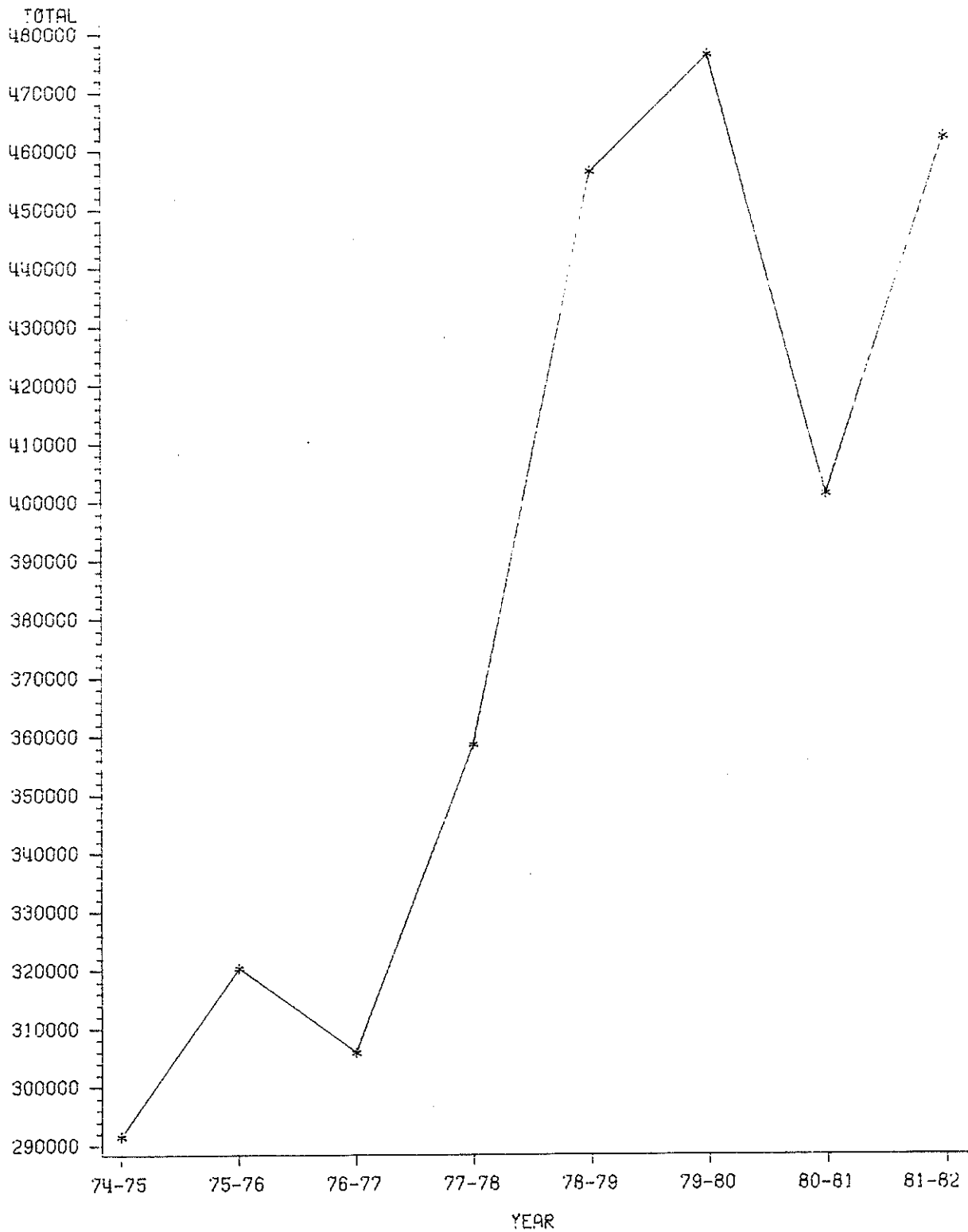
Organization of the Remainder of the Report

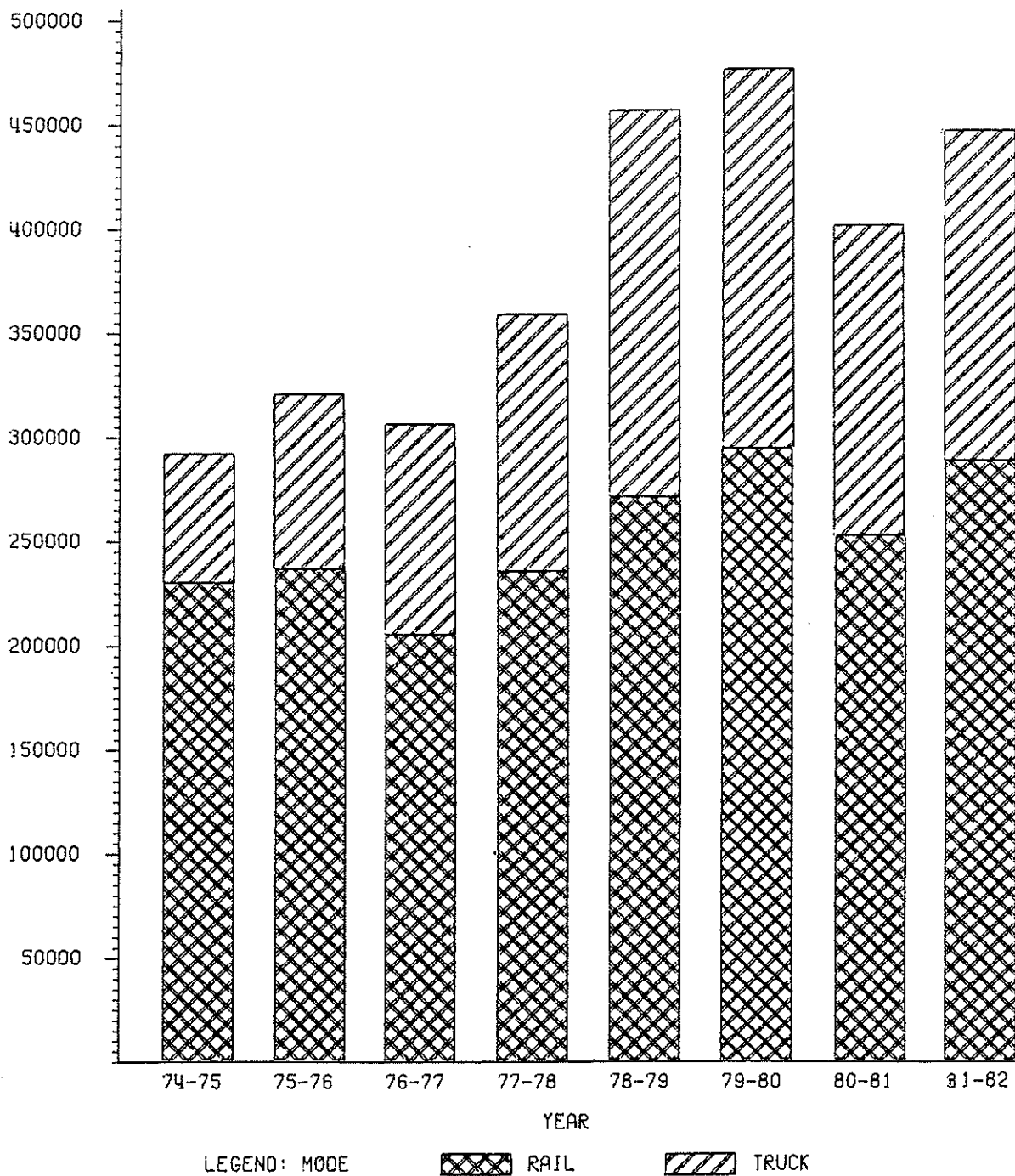
The same general commodity flow characteristics are considered in this report as in previous reports of this nature. The commodity flow characteristic "commodity shipped" is used to delineate major sections of the report. That is, flow patterns for each type of grain are described in separate sections. The sections are presented in the following order: (1) Total (total grain and oilseed shipments), (2) Wheat (hard red spring wheat), (3) Durum, (4) Barley, (5) Sunflower, (6) Oats, (7) Rye, (8) Flaxseed, and (9) Corn.

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
1969-1982

YEAR	HARD RED SPRING	DURUM	BARLEY	SUNFLOWERS	OATS	RYE	FLAXSEED	MISC.	CORN	TOTAL
(thousand bu.)										
1969-70	120,330 (39%)	58,540 (19%)	74,528 (24%)	N.A.	37,008 (12%)	1,672 (1%)	13,133 (4%)	N.A.	N.A.	305,211 (100%)
1970-71	105,800 (35%)	57,317 (19%)	68,996 (23%)	N.A.	55,049 (18%)	4,675 (2%)	13,540 (4%)	N.A.	N.A.	305,377 (100%)
1971-72	119,944 (40%)	66,184 (22%)	68,436 (23%)	N.A.	32,009 (11%)	3,701 (1%)	8,796 (3%)	N.A.	N.A.	299,070 (100%)
1972-73	191,696 (44%)	83,351 (19%)	78,384 (18%)	9,183 (2%)	44,222 (10%)	5,009 (1%)	11,411 (3%)	9,952 (2%)	N.A.	433,208 (100%)
1973-74	183,567 (45%)	60,758 (15%)	91,739 (22%)	9,246 (2%)	41,338 (10%)	7,721 (2%)	6,871 (2%)	10,141 (2%)	N.A.	411,381 (100%)
1974-75	122,934 (42%)	68,781 (24%)	56,671 (19%)	9,013 (3%)	19,322 (7%)	2,513 (1%)	5,300 (2%)	7,042 (2%)	N.A.	291,576 (100%)
1975-76	139,361 (44%)	74,817 (23%)	56,355 (18%)	14,554 (5%)	15,104 (5%)	3,293 (1%)	6,590 (2%)	10,211 (3%)	N.A.	320,285 (100%)
1976-77	123,976 (41%)	65,024 (21%)	73,314 (24%)	15,622 (5%)	12,158 (4%)	2,769 (1%)	4,883 (2%)	8,166 (3%)	N.A.	305,912 (100%)
1977-78	127,953 (36%)	88,366 (25%)	63,115 (18%)	51,278 (14%)	10,492 (3%)	1,772 (1%)	6,174 (2%)	9,454 (3%)	N.A.	358,604 (100%)
1978-79	184,923 (41%)	88,659 (19%)	69,648 (15%)	79,253 (17%)	12,087 (3%)	2,811 (1%)	4,541 (1%)	14,312 (3%)	N.A.	456,234 (100%)
1979-80	169,573 (36%)	94,581 (20%)	78,621 (17%)	95,940 (20%)	7,959 (2%)	3,598 (1%)	4,580 (1%)	21,212 (4%)	N.A.	476,064 (100%)
1980-81	126,115 (31%)	63,193 (16%)	62,672 (15%)	114,866 (28%)	3,515 (1%)	2,020 (1%)	4,176 (1%)	10,587 (3%)	13,941 (3%)	401,085 (100%)
1981-82	148,169 (32%)	81,881 (17%)	79,801 (17%)	111,496 (24%)	8,379 (2%)	1,741 (.4%)	3,644 (.8%)	16,292 (4%)	10,460 (2%)	461,862 (100%)

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
1974-75 to 1981-82
(thousand bushels)



NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS TO ALL
DESTINATIONS BY TRUCK AND RAIL1974-75 to 1981-82
(thousand bushels)

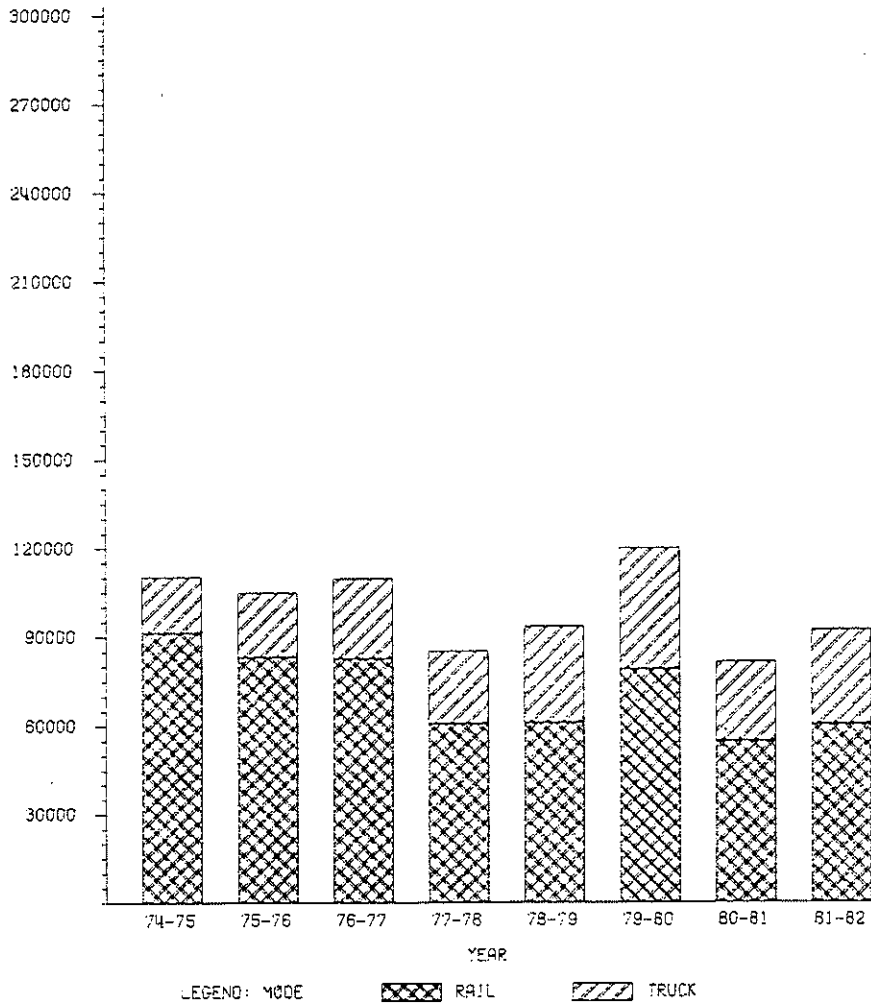
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1974-75	110,117 (38%)	114,602 (39%)	25,433 (9%)	41,428 (14%)	291,580 (100%)
1975-76	104,900 (33%)	152,514 (48%)	22,031 (7%)	40,840 (13%)	320,285 (100%)
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%)
3 Year Average	97,765 (22%)	215,422 (48%)	41,311 (9%)	91,837 (21%)	446,337 (100%)

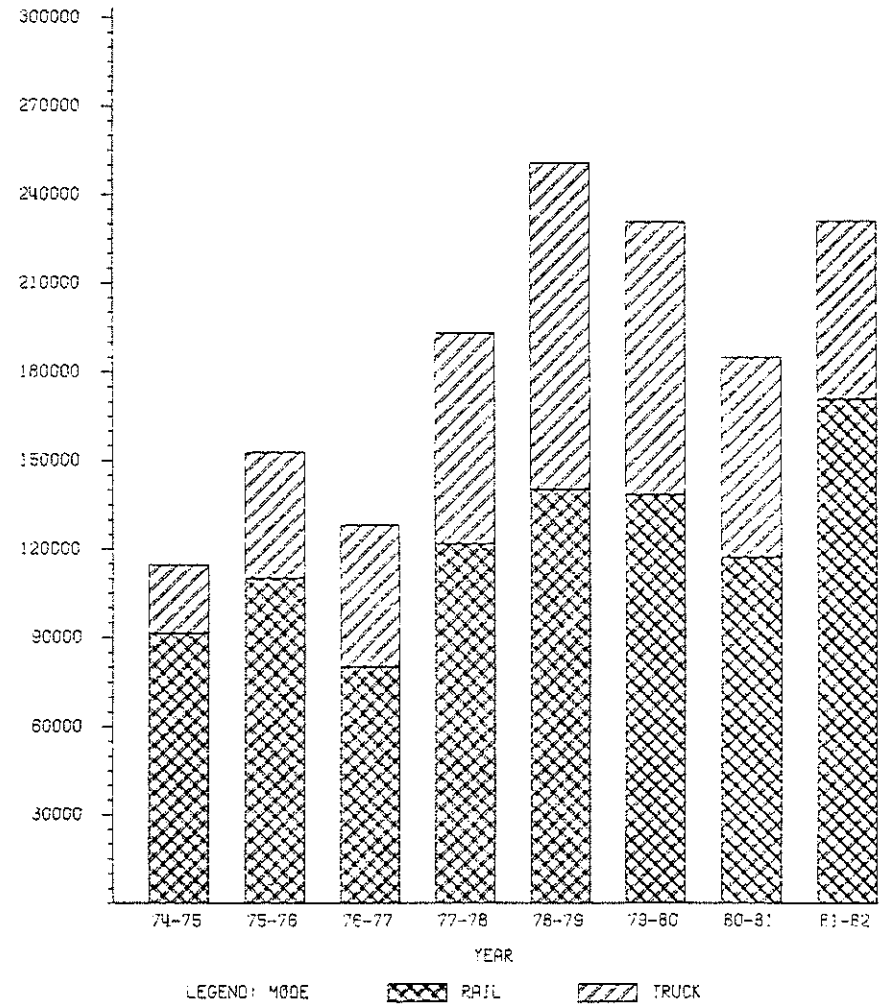
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1974-75	91,477 (83%)	18,641 (17%)	91,417 (78%)	23,185 (22%)	18,310 (72%)	7,122 (28%)	28,448 (84%)	12,980 (16%)	229,653 (79%)	61,929 (21%)
1975-76	83,290 (79%)	21,610 (21%)	110,012 (72%)	42,502 (28%)	15,376 (70%)	6,654 (30%)	27,813 (68%)	13,027 (32%)	236,491 (74%)	83,793 (26%)
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%)
3 Year Average	64,733 (66%)	33,032 (34%)	142,081 (66%)	73,339 (34%)	27,197 (66%)	14,114 (34%)	53,848 (59%)	37,989 (41%)	287,861 (64%)	158,476 (36%)

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1974-75 to 1981-82
 (thousand bushels)

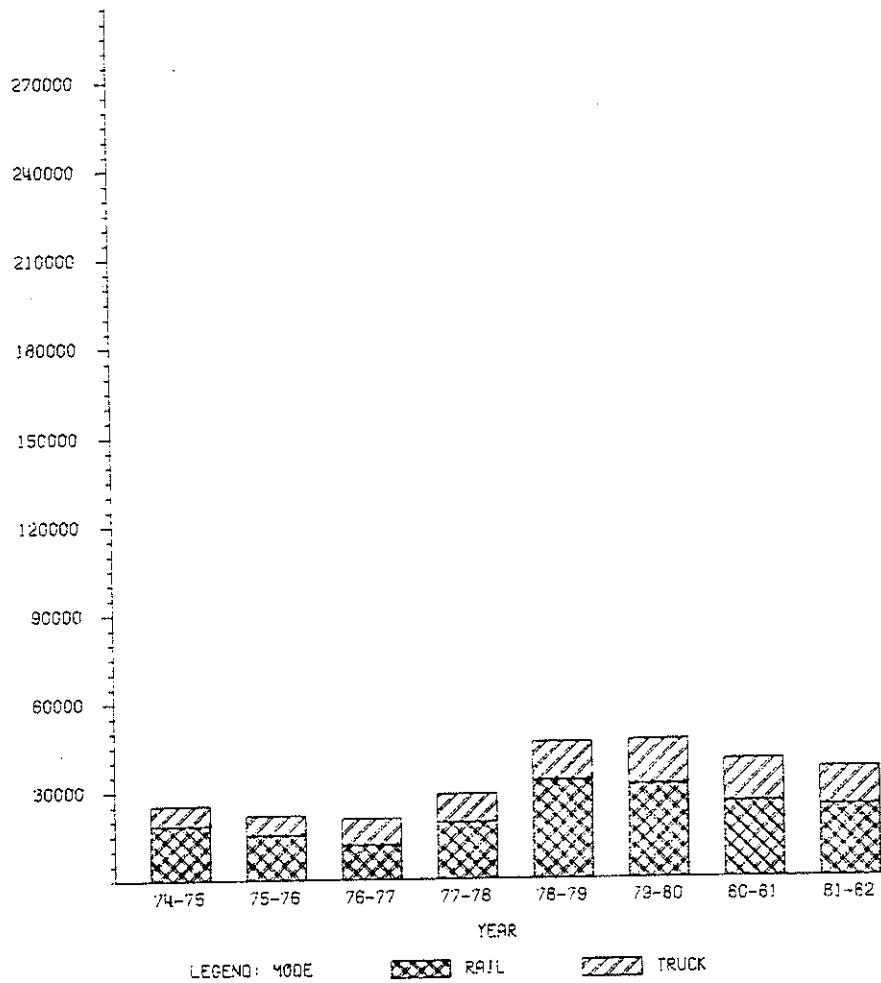


MINNEAPOLIS - ST. PAUL

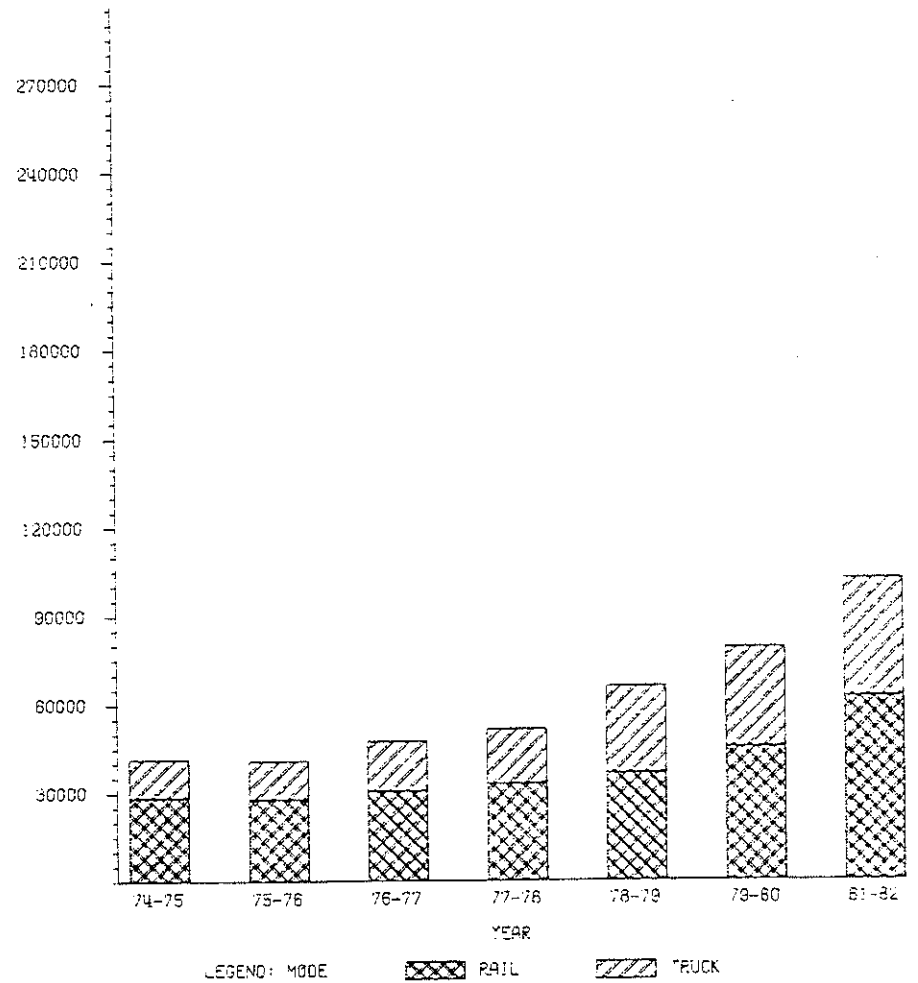


DULUTH - SUPERIOR

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS, cont.



WEST



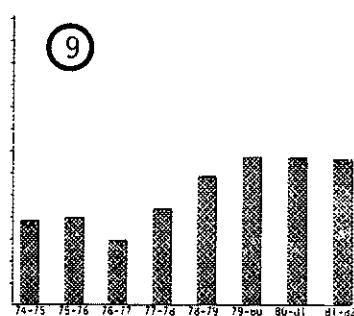
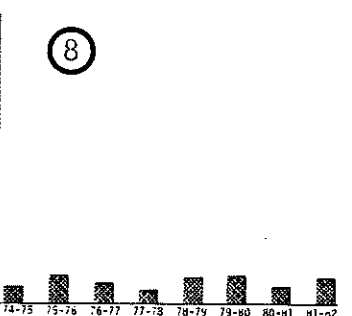
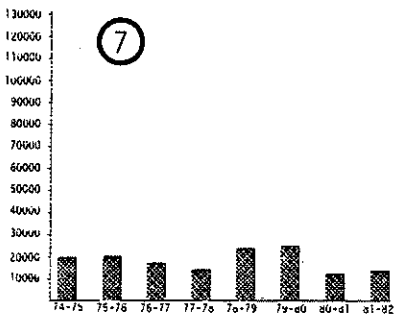
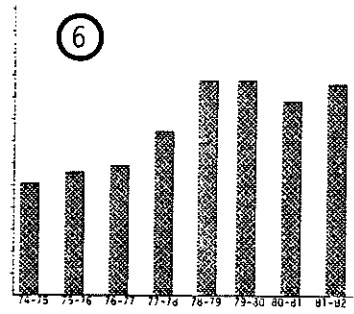
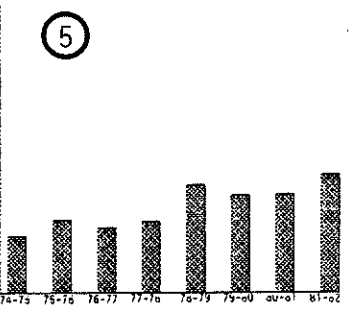
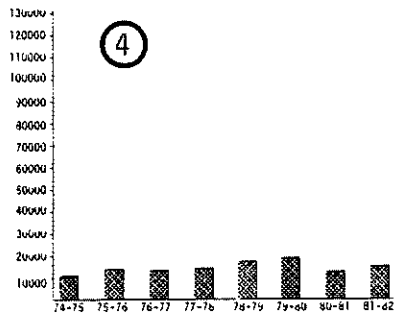
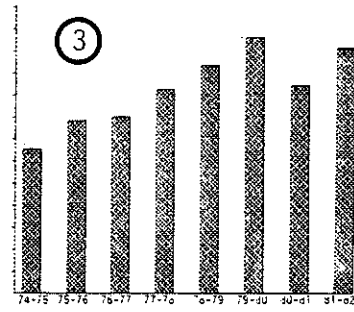
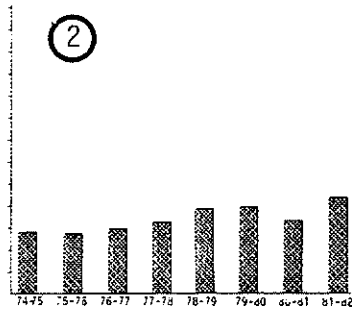
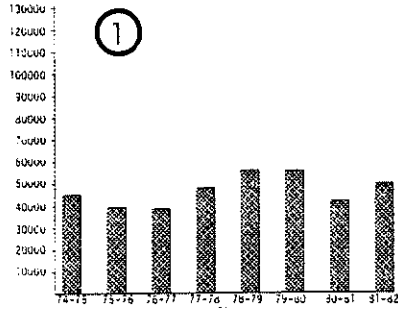
MISC. MARKETS

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN^a

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
1974-75	44,971 (15%)	28,141 (10%)	65,398 (22%)	10,852 (4%)	25,997 (9%)	50,683 (17%)	19,533 (7%)	7,696 (3%)	38,311 (13%)	291,582 (100%)
1975-76	39,254 (12%)	27,362 (9%)	78,193 (24%)	13,941 (4%)	33,031 (10%)	55,875 (17%)	20,044 (6%)	12,834 (4%)	39,748 (12%)	320,282 (100%)
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 (3%)	66,228 (14%)	461,862 (100%)
3 Year Average	49,059 (11%)	38,545 (9%)	107,293 (24%)	15,446 (3%)	47,721 (11%)	93,870 (21%)	16,915 (4%)	10,869 (2%)	66,616 (15%)	446,338 (100%)

^aIncludes hard red spring, durum, sunflower, barley, oats, rye, flaxseed, corn, and miscellaneous commodities.

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY CRD
(thousand bu.)

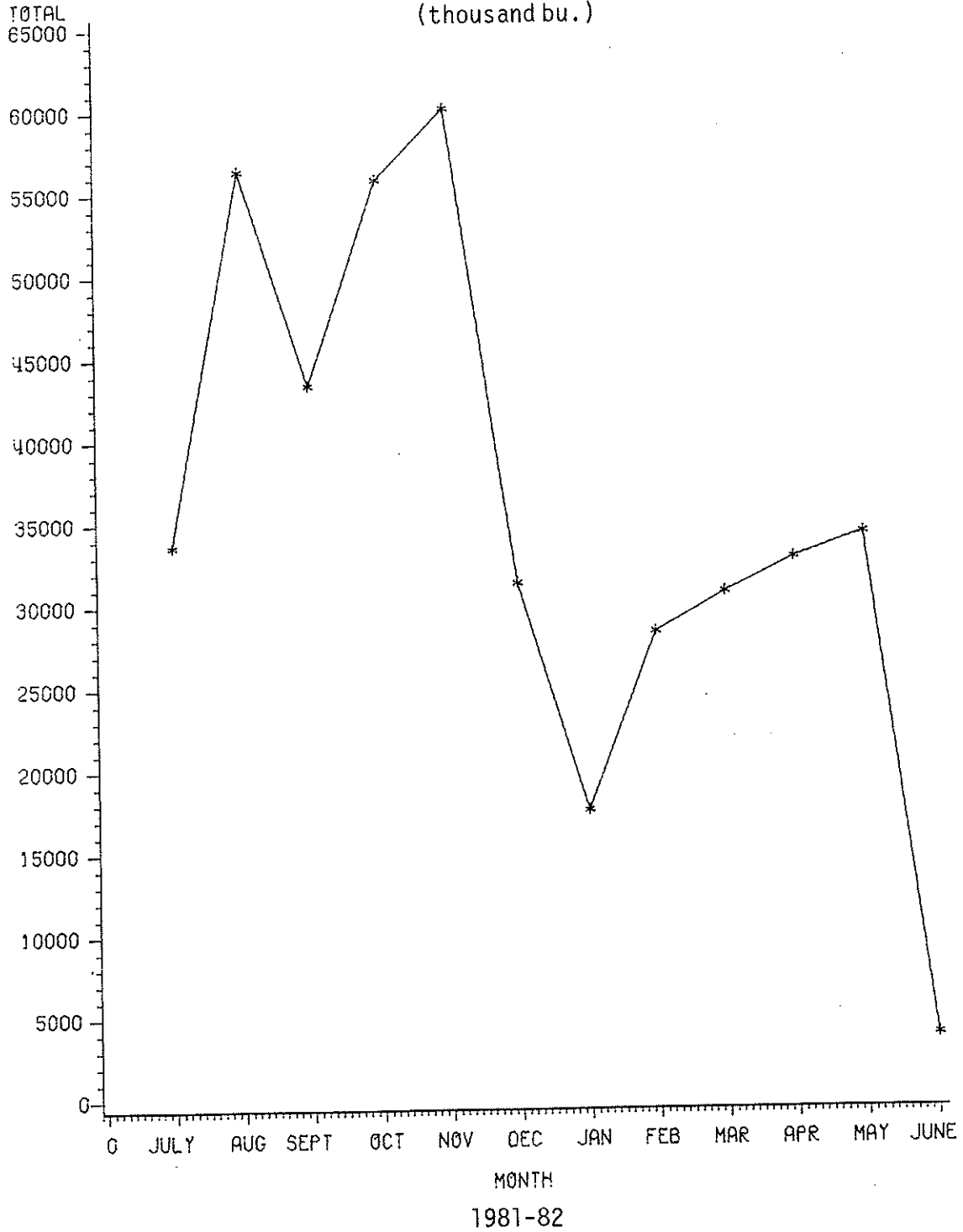


North Dakota Grain and Oilseed Movement By Month
July, 1981 - June, 1982
(bushels)

MONTH	HRS	DURUM	RYE	FLAXSEED	BARLEY	OATS	CORN	SUNFLOWERS	MISC.	TOTAL
July	11,019,253	6,481,596	147,754	183,410	8,429,765	537,842	816,118	5,556,868	458,864	33,631,468
August	20,201,025	10,704,017	426,158	140,277	18,978,423	1,609,753	467,452	3,632,369	210,696	56,370,170
September	18,601,428	11,769,937	204,568	879,681	6,463,335	814,088	248,839	2,457,124	1,945,911	43,384,911
October	12,311,433	8,156,497	104,481	499,224	5,096,365	558,019	1,167,052	24,973,719	3,576,904	55,843,694
November	12,896,550	8,937,991	81,354	512,623	5,687,952	705,457	1,552,257	26,788,091	2,370,512	60,132,787
December	9,225,635	5,575,038	87,202	568,503	4,897,517	697,868	732,902	8,133,128	1,402,227	31,320,020
January	5,416,461	3,757,388	117,028	147,426	2,100,690	374,989	421,576	4,312,796	878,422	17,526,776
February	7,758,353	6,683,070	188,640	225,608	5,659,193	673,169	612,891	5,282,710	1,242,151	28,325,785
March	3,902,194	4,524,915	156,010	156,643	6,218,953	702,435	967,846	6,720,074	1,355,879	30,704,949
April	19,169,656	4,242,262	104,380	86,023	3,490,397	685,733	921,099	9,149,670	892,311	32,741,531
May	13,038,275	4,467,606	60,607	71,432	5,251,619	353,984	1,420,650	8,403,100	1,152,636	34,219,909
June	14,628,247	6,580,426	62,410	172,687	7,526,697	665,944	1,131,703	6,086,776	805,496	37,660,386
TOTAL	148,168,510	81,880,743	1,740,592	3,643,537	79,800,906	8,379,279	10,460,385	111,496,425	16,292,009	461,862,386*

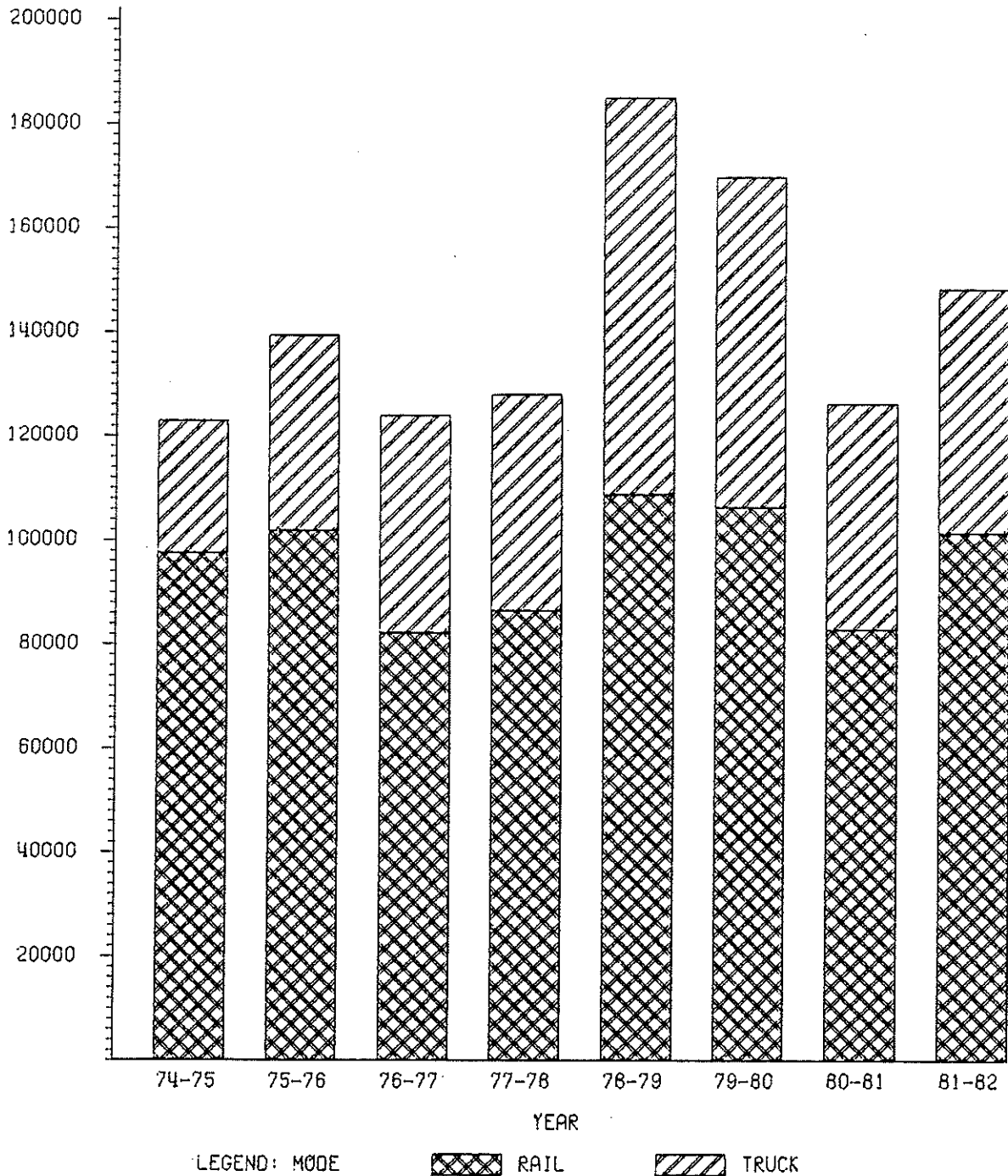
* Total for the year

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY MONTH



NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION

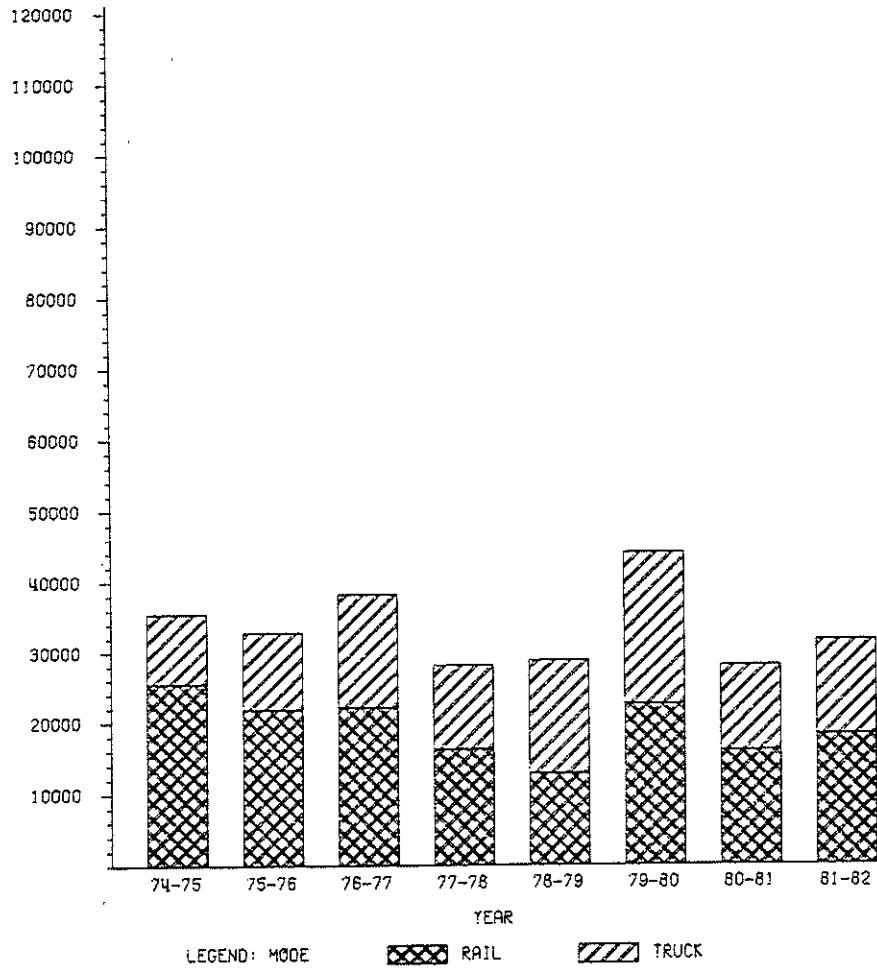
YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1974-75	35,485 (29%)	54,419 (44%)	17,713 (14%)	15,317 (12%)	122,934 (100%)
1975-76	32,855 (24%)	74,467 (53%)	17,788 (13%)	14,253 (10%)	139,363 (100%)
1976-77	38,230 (31%)	53,419 (43%)	16,675 (13%)	15,651 (13%)	123,975 (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%)
3 Year Average	34,532 (23%)	72,203 (49%)	26,592 (18%)	14,626 (10%)	147,952 (100%)

NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
TO ALL DESTINATIONS BY TRUCK AND RAIL1974-75 to 1981-82
(thousand bushels)

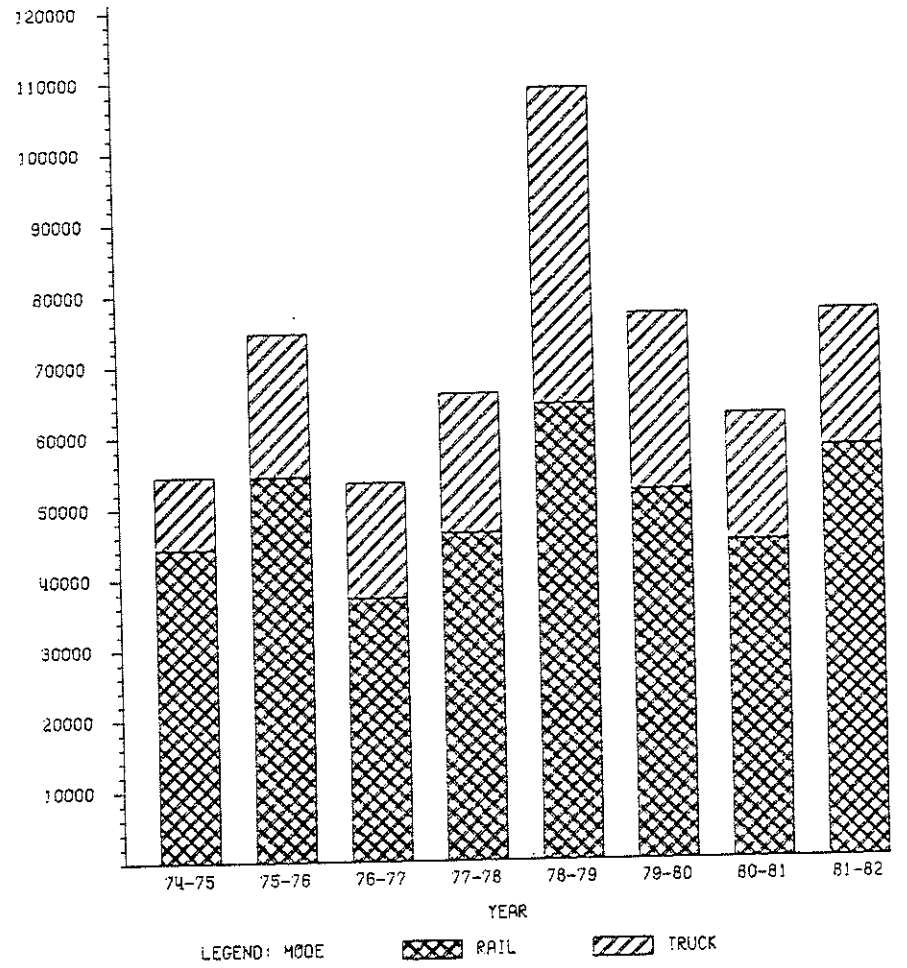
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1974-75	25,518 (72%)	9,967 (28%)	44,216 (81%)	10,203 (19%)	15,566 (88%)	2,147 (12%)	12,184 (80%)	3,132 (20%)	97,484 (79%)	25,449 (21%)
1975-76	21,832 (66%)	11,023 (34%)	54,310 (73%)	20,157 (27%)	14,261 (80%)	3,527 (20%)	11,421 (80%)	2,832 (20%)	101,824 (73%)	37,539 (27%)
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%)
3. Year Average	18,833 (55%)	15,699 (45%)	51,498 (71%)	20,705 (29%)	15,830 (60%)	10,762 (40%)	10,620 (73%)	4,005 (27%)	96,781 (63%)	51,171 (35%)

NORTH DAKOTA HARD RED SPRING SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1974-75 to 1981-82
 (thousand bushels)

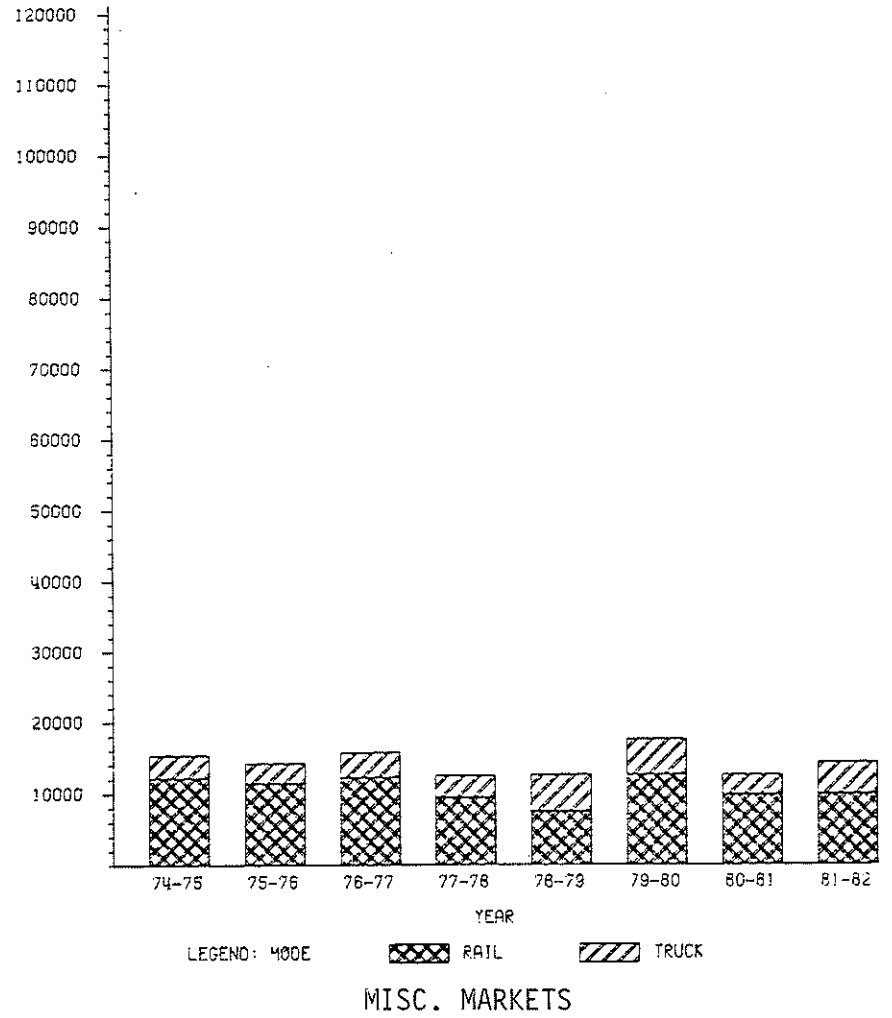
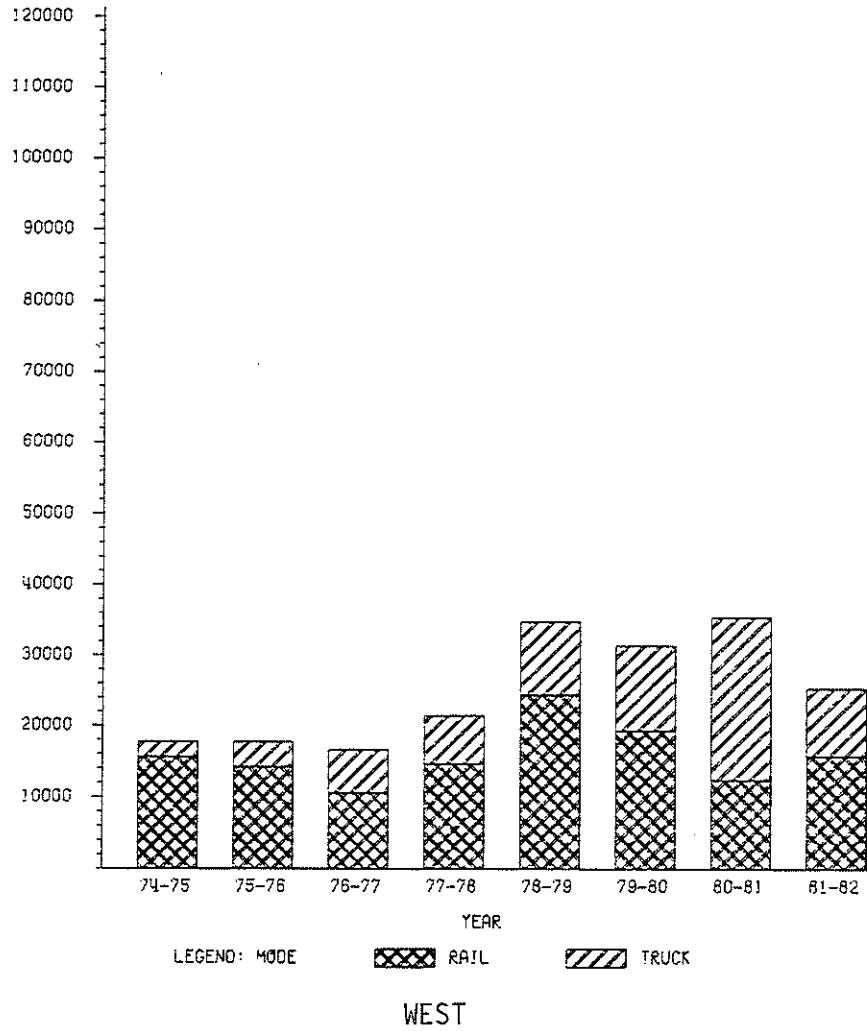


MINNEAPOLIS - ST. PAUL

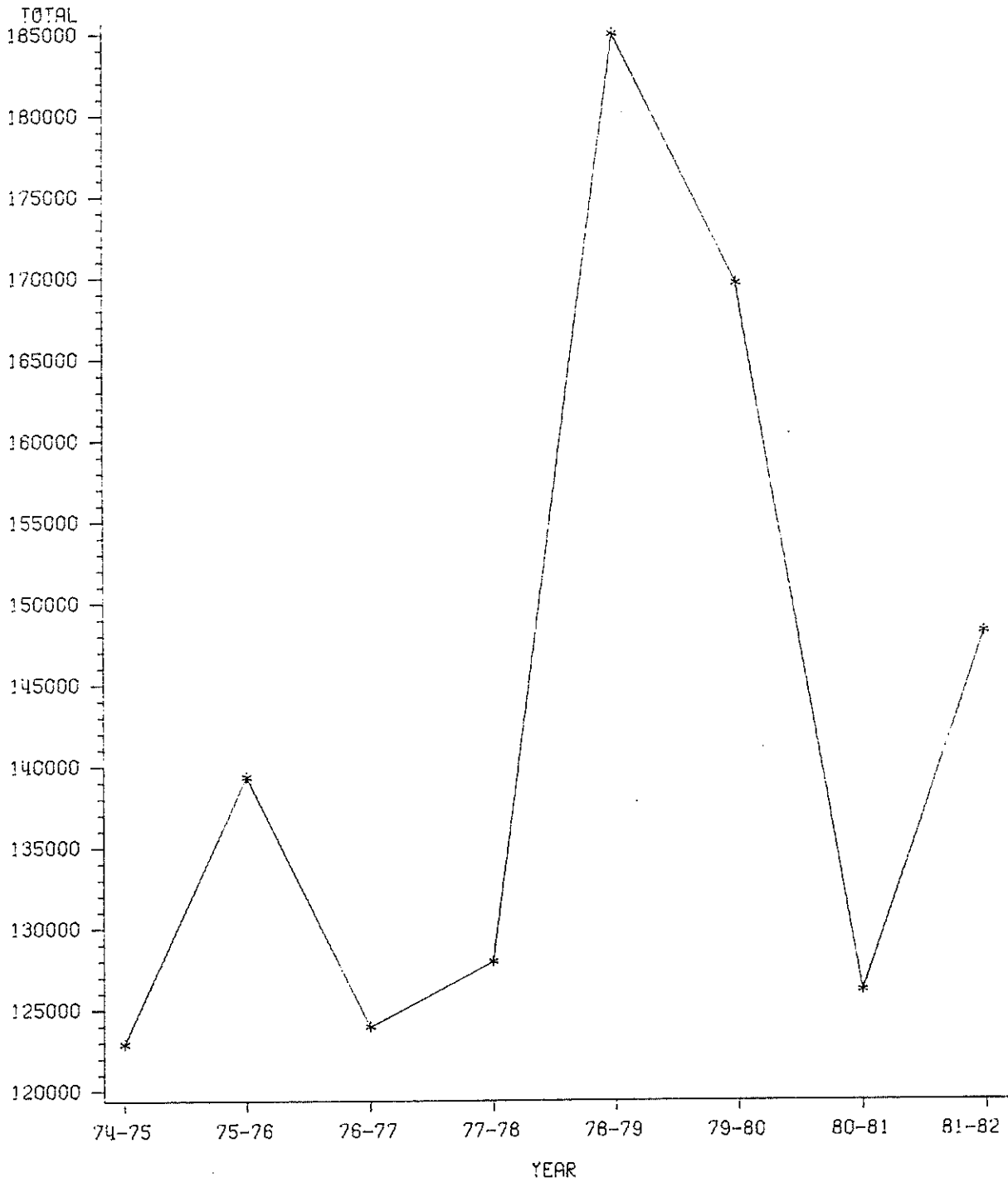


DULUTH - SUPERIOR

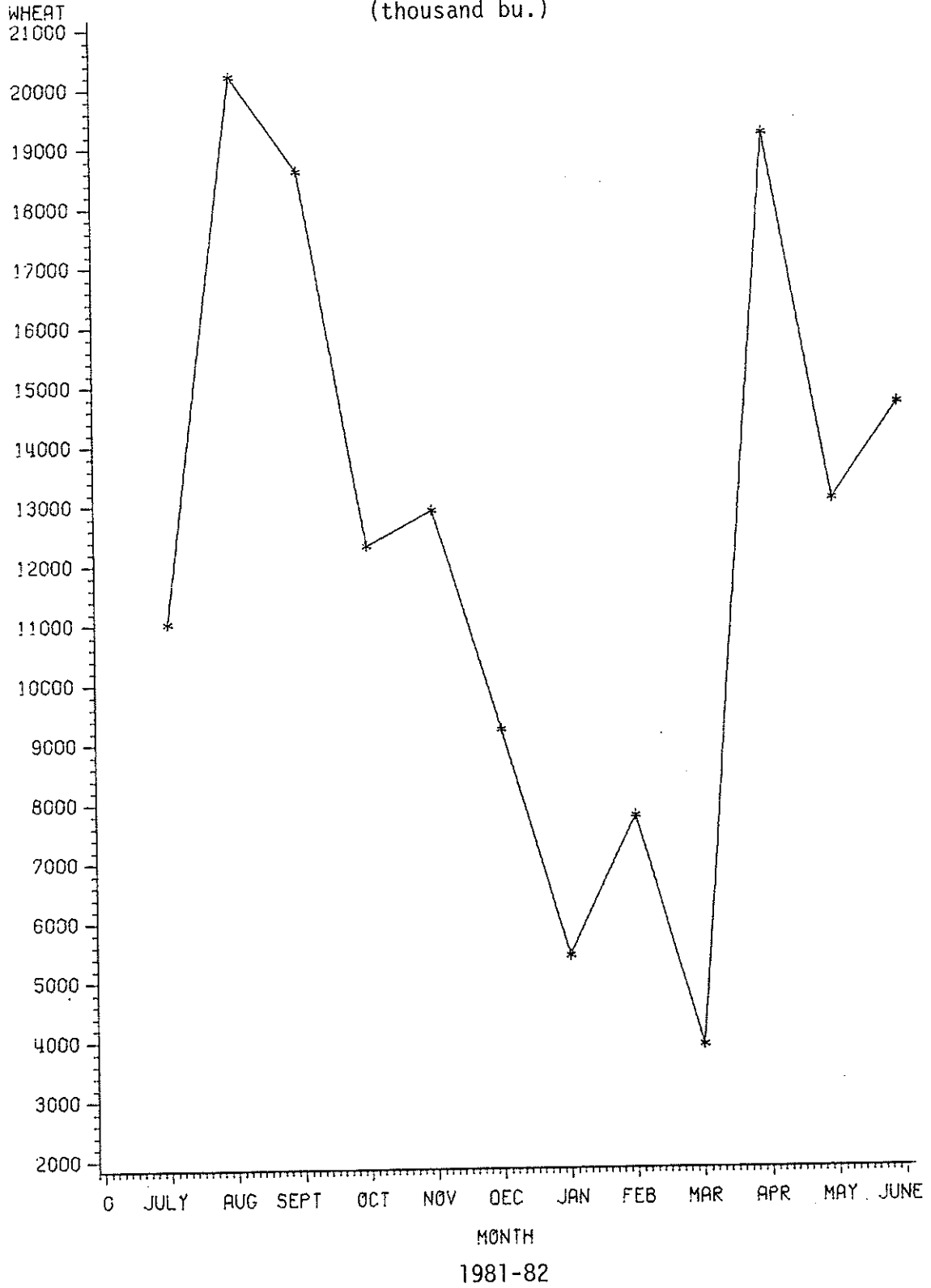
NORTH DAKOTA HARD RED SPRING SHIPMENTS, cont.



NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS

1974-75 to 1981-82
(thousand bushels)

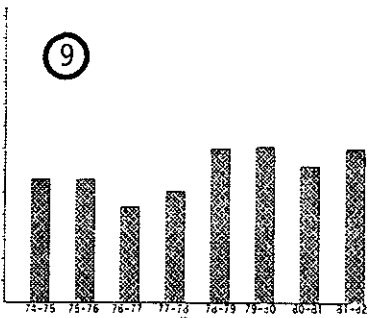
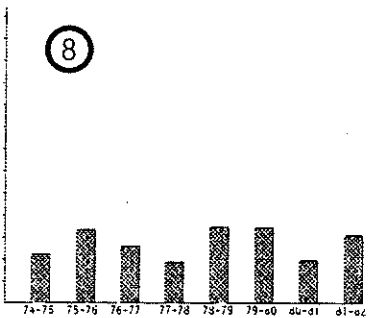
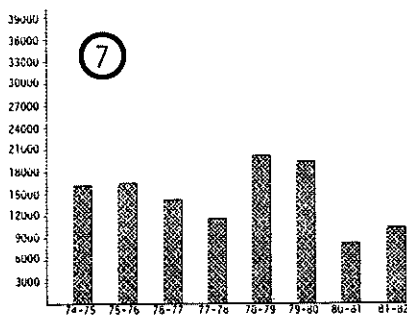
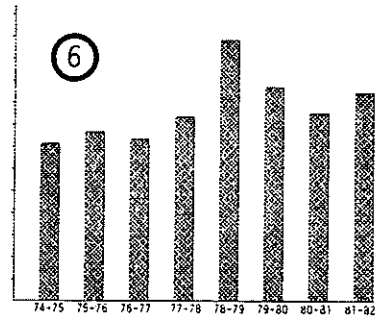
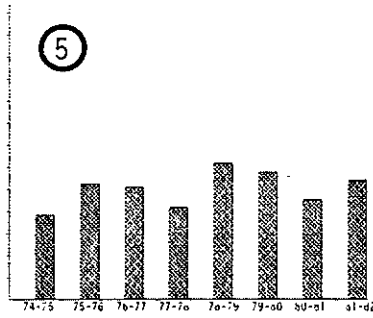
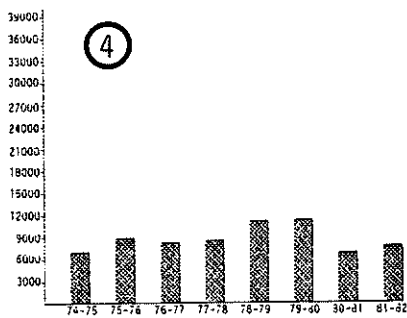
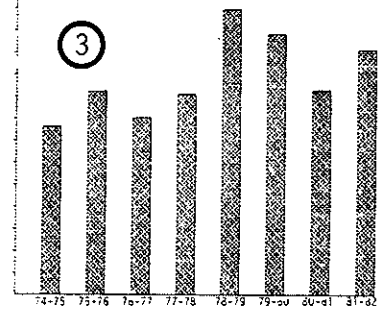
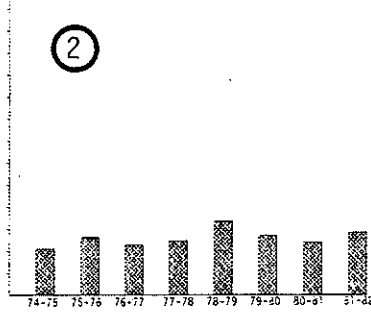
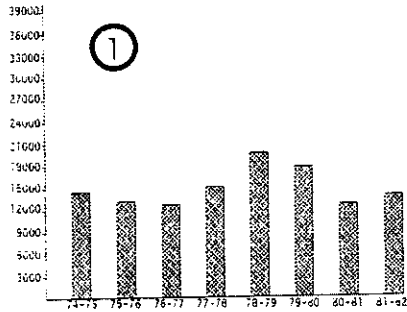
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS BY MONTH (thousand bu.)



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.)									
1974-75	14,472	6,279	22,893	6,955	11,473	21,393	16,138	6,609	16,720	122,932
1975-76	13,179	7,872	27,698	8,821	15,695	22,962	16,422	9,993	16,720	139,362
1976-77	12,657	6,807	24,053	8,209	15,253	22,000	14,182	7,782	13,033	123,976
1977-78	15,009	7,370	27,331	8,477	12,521	25,013	11,563	5,567	15,103	127,954
1978-79	19,640	10,028	38,757	11,116	18,546	35,425	20,117	10,317	20,977	184,823
1979-80	17,678	8,124	35,407	11,230	17,253	29,088	19,327	10,284	28,182	169,573
1980-81	12,552	7,182	27,836	6,793	13,584	25,503	8,241	5,832	18,593	126,116
1981-82	13,703	8,468	33,325	7,690	16,187	28,331	10,373	9,220	20,873	148,168
3 Year Average	14,644	7,925	32,189	8,571	15,765	27,640	12,647	8,445	22,549	147,952

NORTH DAKOTA HARD RED SPRING SHIPMENTS BY CRD
(thousand bu.)

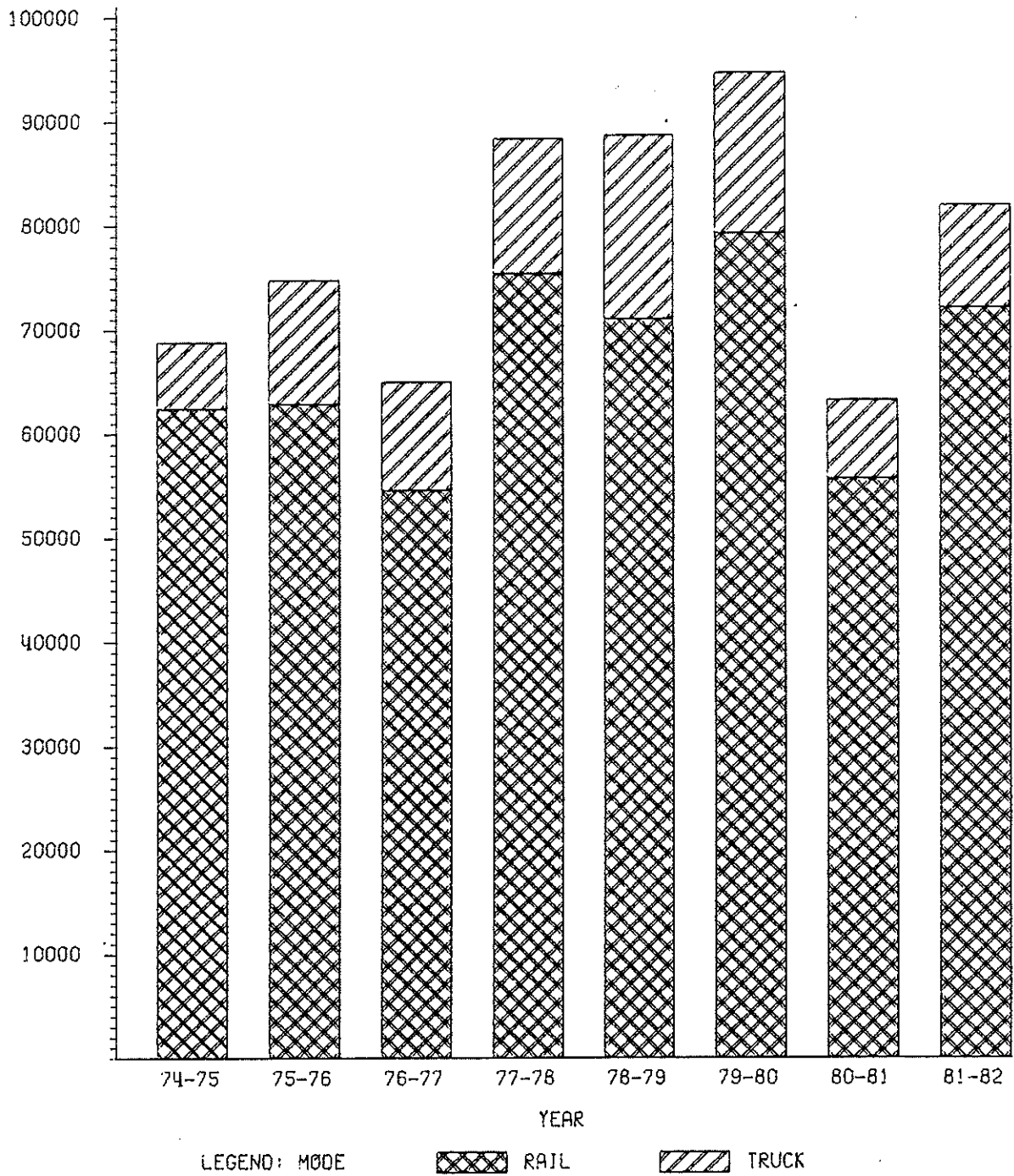


NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1974-75	19,455 (28%)	40,728 (59%)	847 (1%)	7,751 (11%)	68,781 (100%)
1975-76	14,905 (20%)	51,553 (69%)	434 (1%)	7,925 (11%)	74,817 (100%)
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%)
3 Year Average	20,509 (26%)	48,374 (61%)	870 (1%)	10,132 (13%)	79,885 (100%)

NORTH DAKOTA DURUM SHIPMENTS TO ALL DESTINATIONS BY TRUCK AND RAIL

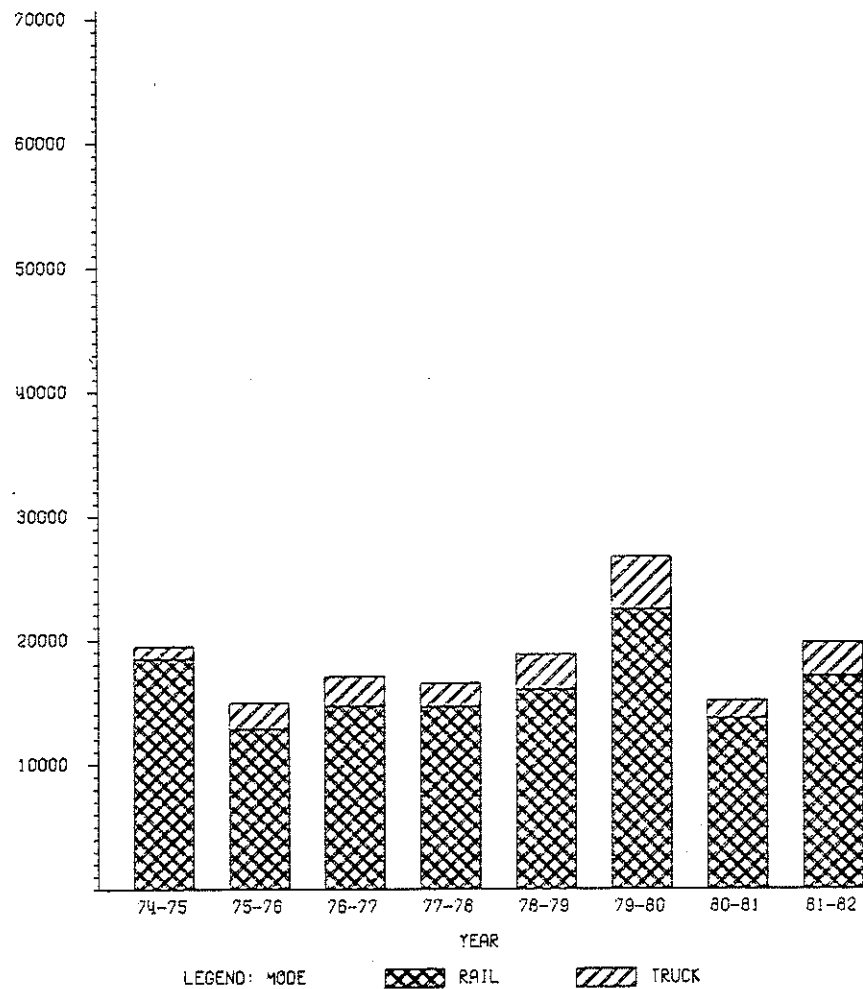
1974-75 to 1981-82
(thousand bushels)



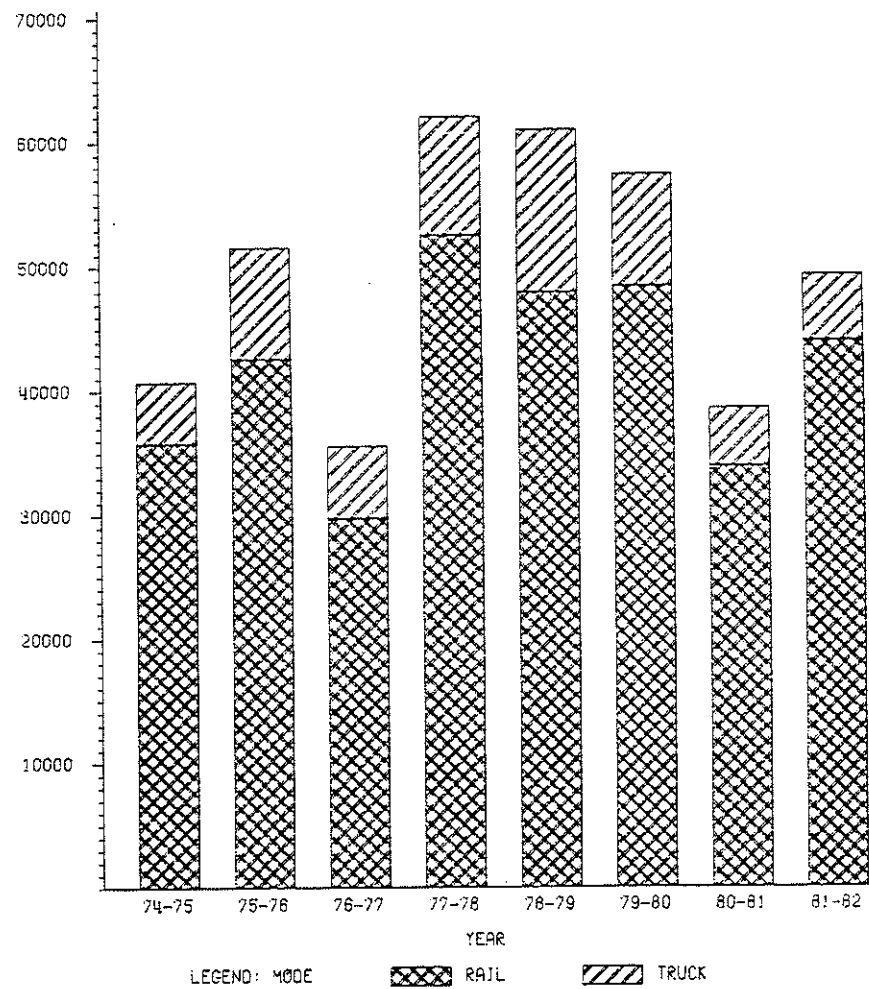
NORTH DAKOTA DURUM SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1974-75	18,489 (95%)	966 (5%)	35,770 (88%)	4,957 (12%)	608 (72%)	239 (28%)	7,505 (97%)	246 (3%)	62,372 (91%)	6,408 (9%)
1975-76	12,790 (86%)	2,115 (14%)	42,620 (83%)	8,933 (17%)	263 (61%)	171 (39%)	7,184 (91%)	741 (9%)	62,857 (84%)	11,960 (16%)
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%)
3 Year Average	17,673 (86%)	2,835 (14%)	42,080 (87%)	6,295 (13%)	683 (79%)	186 (21%)	8,558 (84%)	1,574 (16%)	68,994 (86%)	10,890 (14%)

NORTH DAKOTA DURUM SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1974-75 to 1981-82
 (thousand bushels)

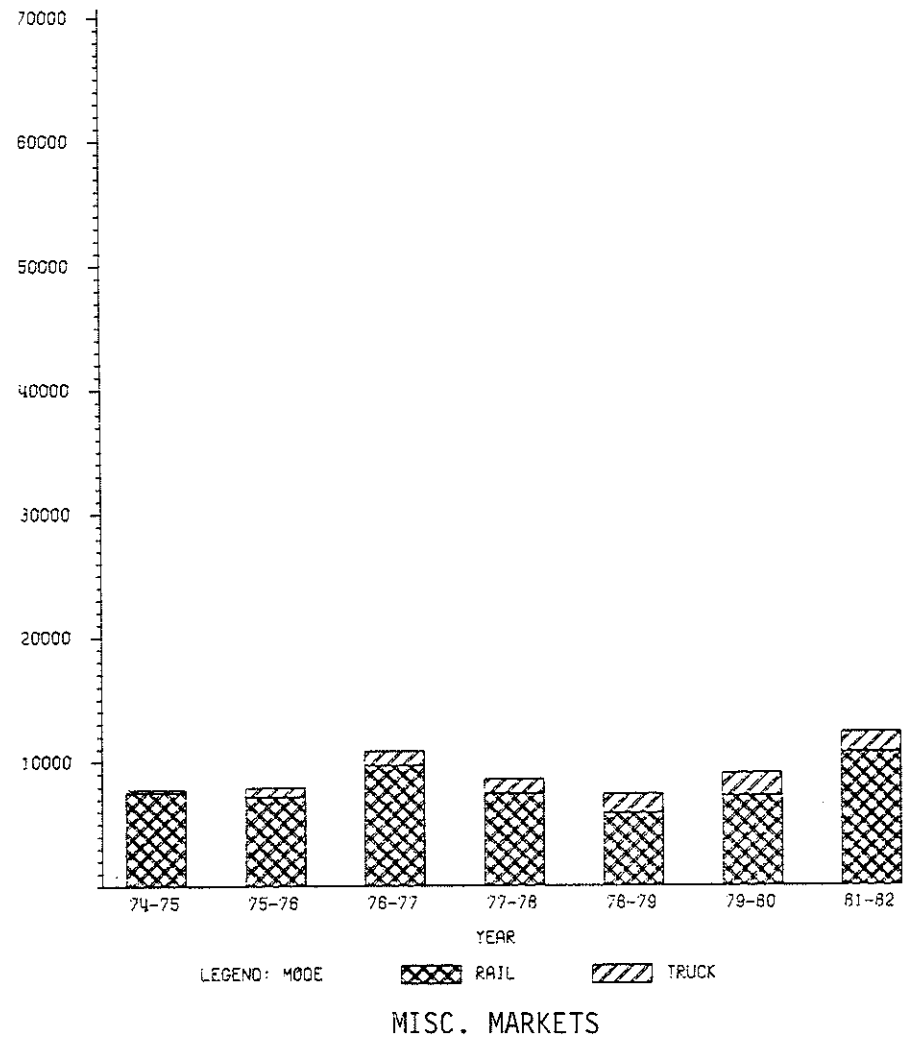
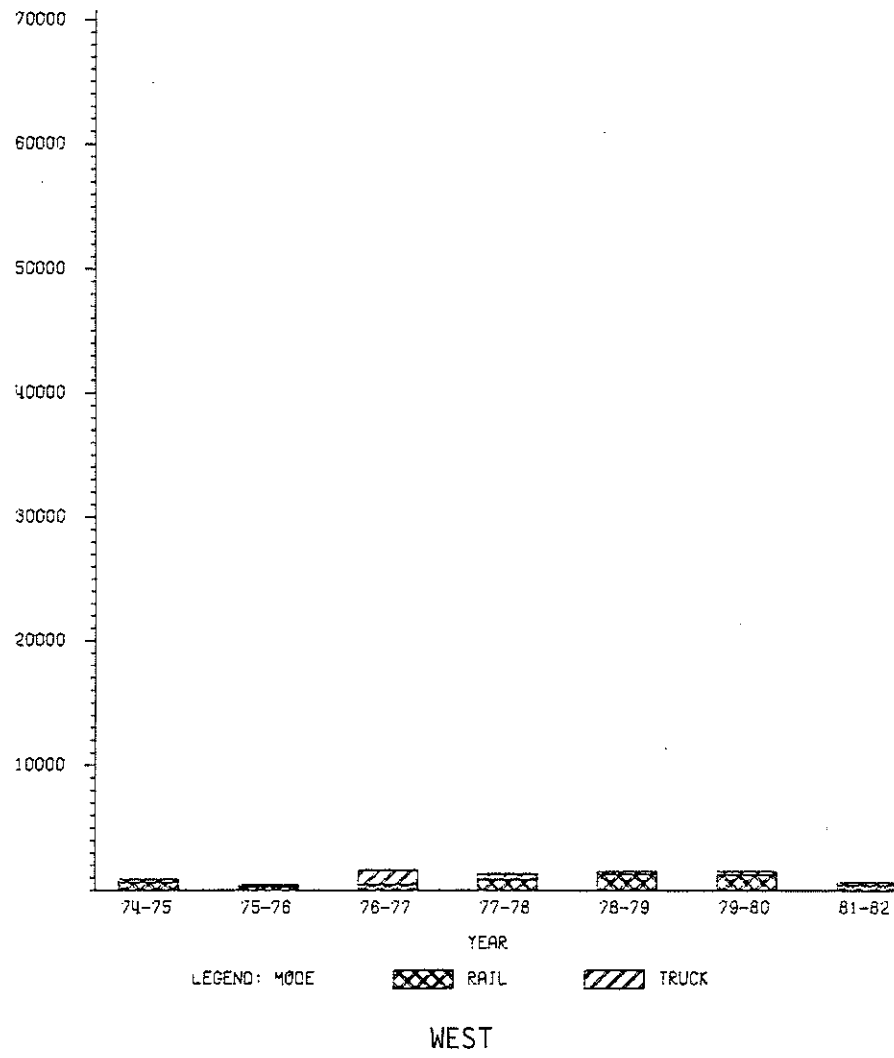


MINNEAPOLIS - ST. PAUL

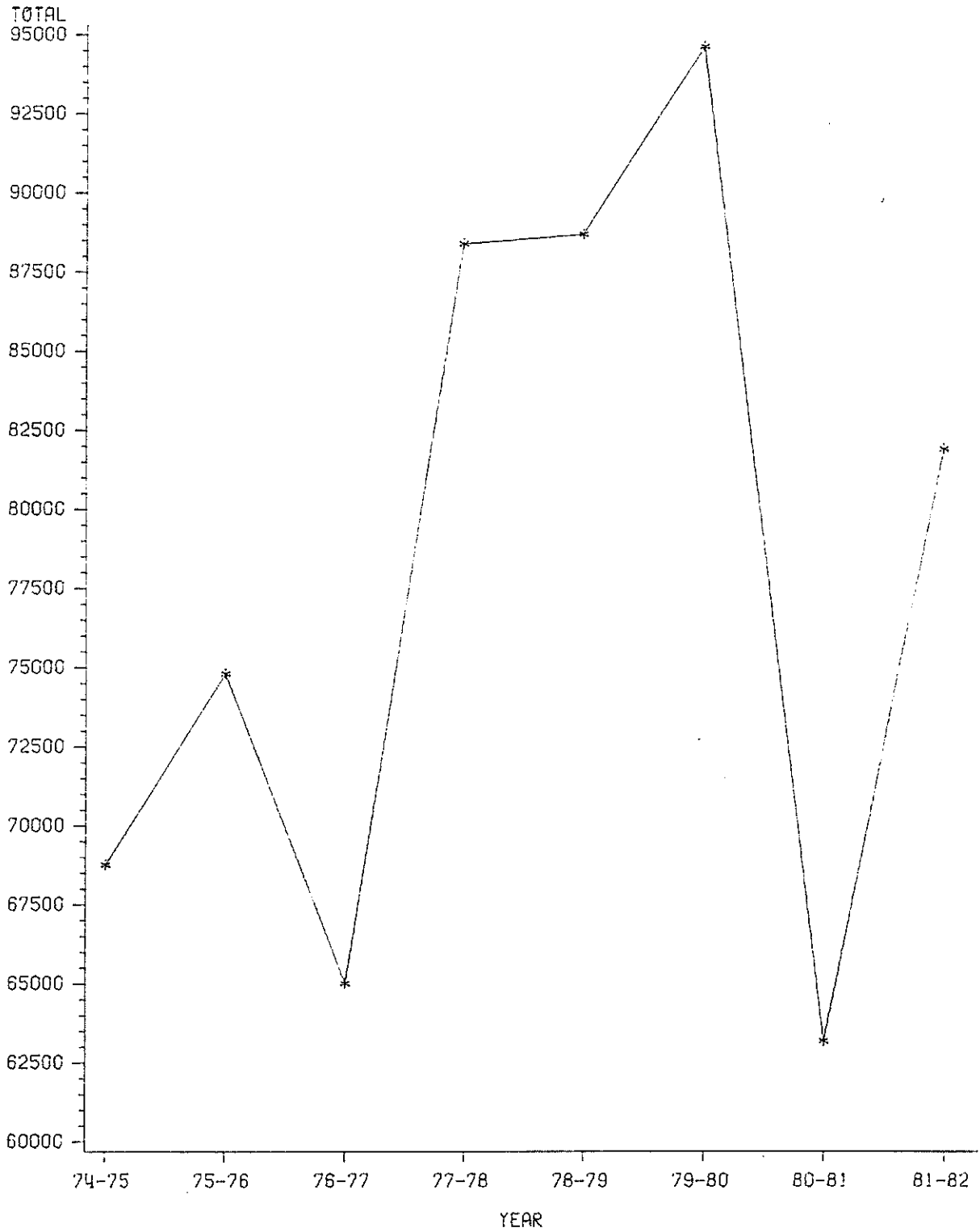


DULUTH - SUPERIOR

NORTH DAKOTA DURUM SHIPMENTS, cont.

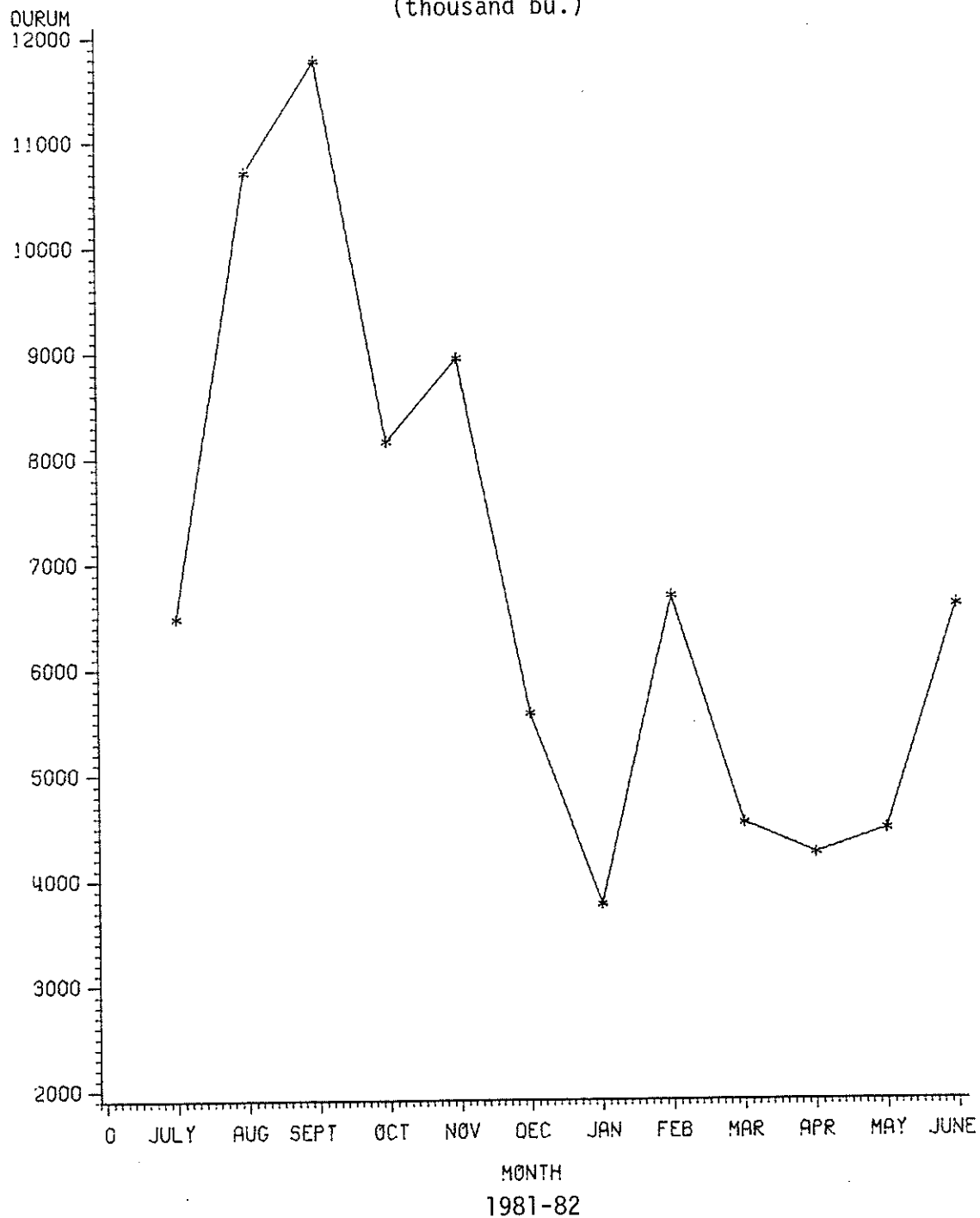


NORTH DAKOTA DURUM SHIPMENTS
1974-75 to 1981-82
(thousand bushels)



NORTH DAKOTA DURUM SHIPMENTS BY MONTH

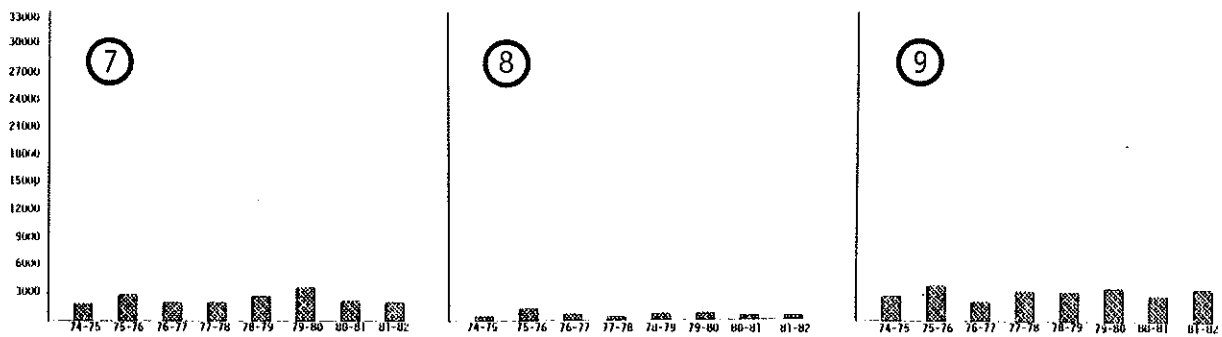
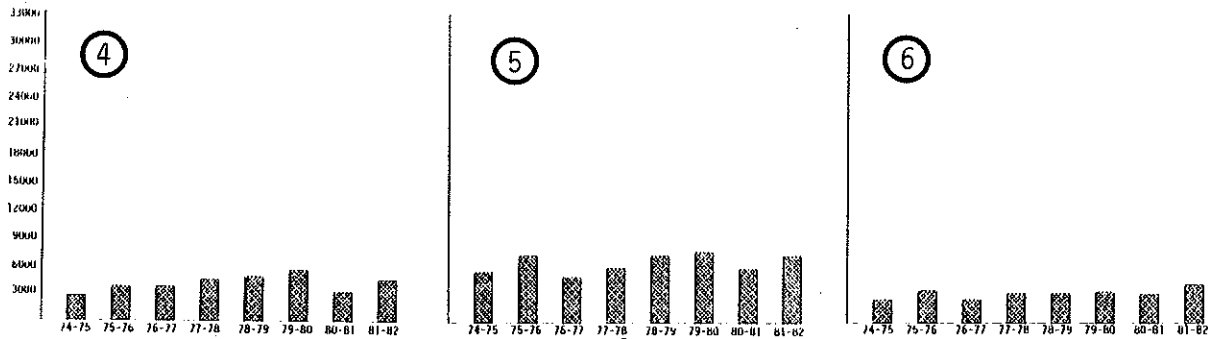
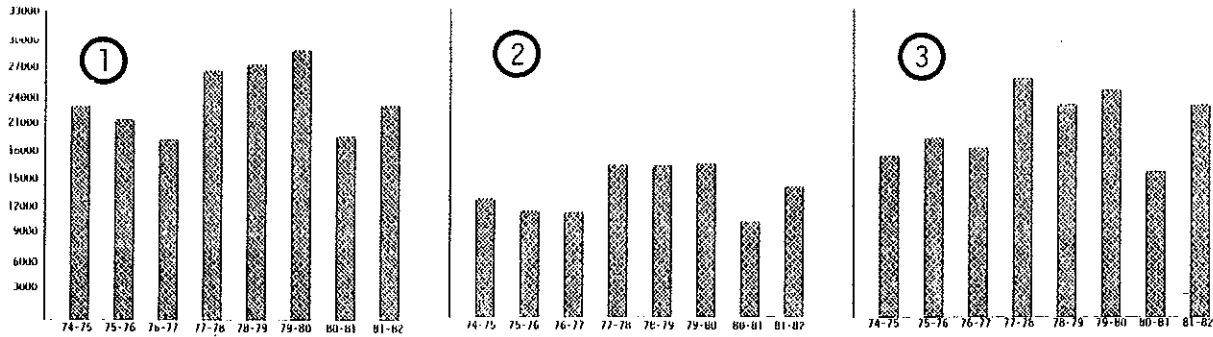
(thousand bu.)



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.)									
1974-75	22,973	12,685	17,326	2,717	5,466	2,555	1,871	543	2,642	68,778
1975-76	21,573	11,404	19,272	3,696	7,270	3,558	2,844	1,331	3,870	74,818
1976-77	19,420	11,279	18,168	3,728	4,960	2,573	2,013	760	2,123	65,024
1977-78	26,813	16,378	25,707	4,449	5,945	3,269	2,071	469	3,266	88,367
1978-79	27,496	16,256	22,902	4,808	7,269	3,251	2,755	728	3,197	88,662
1979-80	29,060	16,472	24,453	5,512	7,670	3,432	3,619	800	3,565	94,583
1980-81	19,774	10,223	15,644	3,129	5,817	3,150	2,177	503	2,774	63,191
1981-82	23,105	13,973	22,807	4,467	7,272	4,238	2,045	448	3,525	81,881
3 Year Average	23,980	13,556	20,968	4,369	6,920	3,607	2,614	584	3,288	79,885

NORTH DAKOTA DURUM SHIPMENTS BY CRD
(thousand bu.)



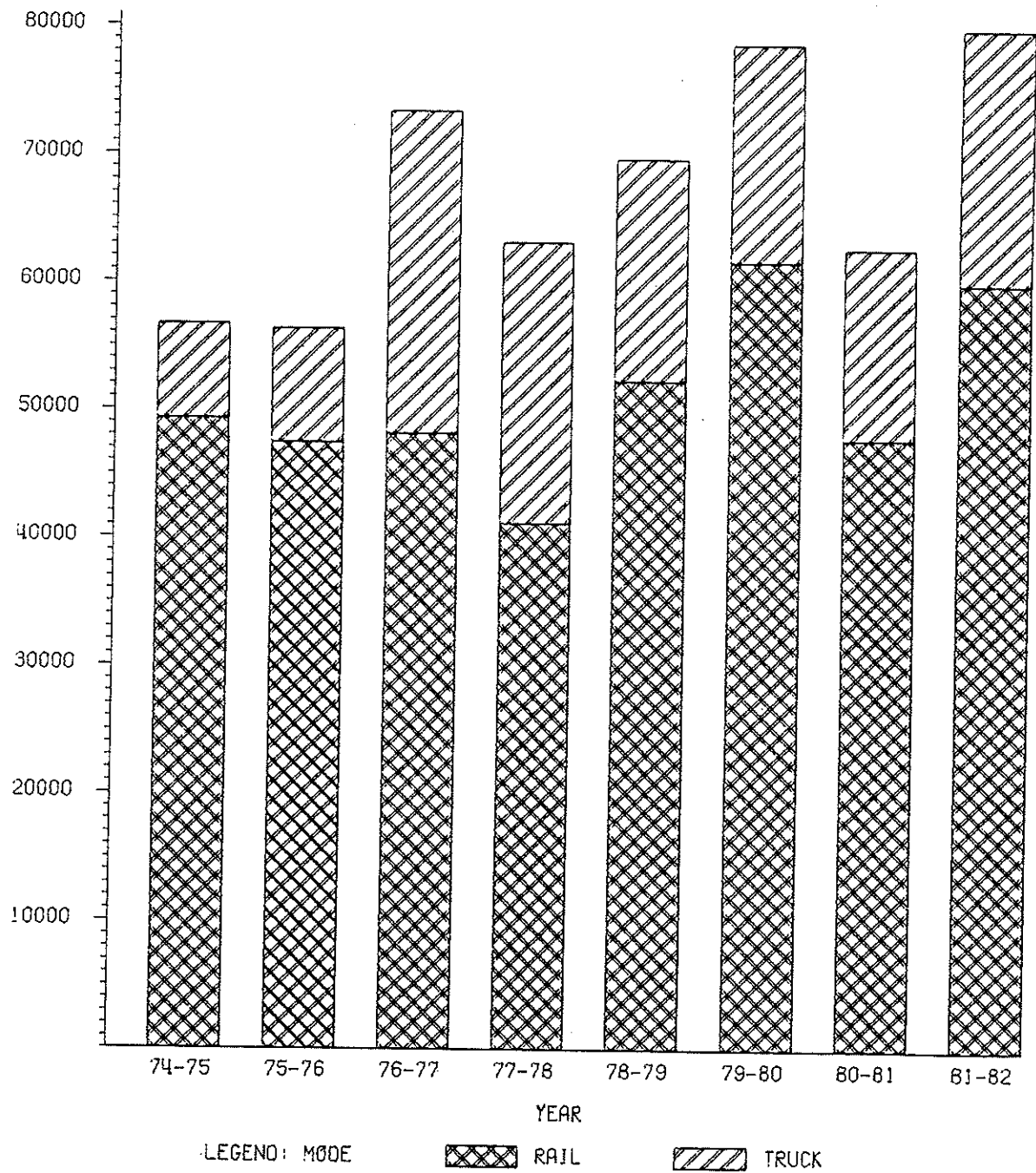
NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1974-75	37,461 (66%)	9,204 (16%)	1,652 (3%)	8,360 (15%)	56,667 (100%)
1975-76	38,710 (69%)	12,346 (22%)	893 (2%)	4,405 (8%)	56,354 (100%)
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%)
3 Year Average	23,048 (31%)	22,842 (31%)	1,352 (2%)	26,455 (36%)	73,698 (100%)

NORTH DAKOTA BARLEY SHIPMENTS TO ALL
DESTINATIONS BY TRUCK AND RAIL

1974-75 to 1981-82

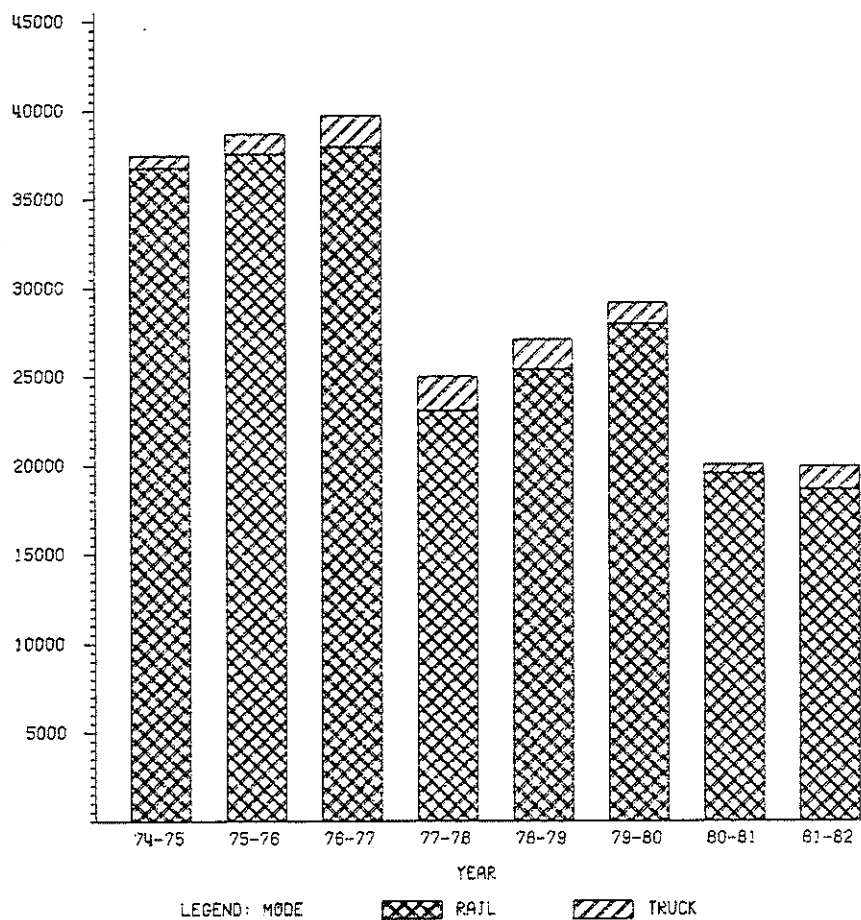
(thousand bushels)



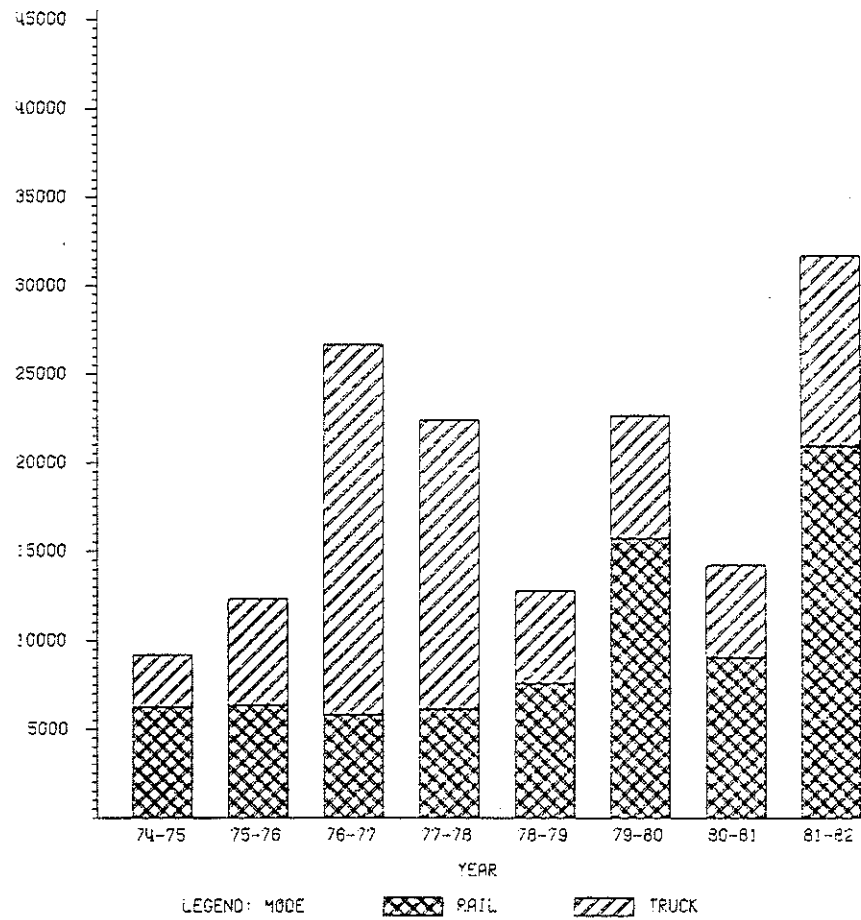
NORTH DAKOTA BARLEY SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1974-75	36,783 (98%)	678 (2%)	6,235 (68%)	2,969 (32%)	646 (39%)	1,006 (61%)	5,607 (67%)	2,753 (33%)	49,271 (87%)	7,406 (13%)
1975-76	37,566 (97%)	1,144 (3%)	6,331 (51%)	6,015 (49%)	128 (14%)	765 (86%)	3,411 (77%)	994 (23%)	47,436 (84%)	8,918 (16%)
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%)
3 Year Average	22,039 (96%)	1,009 (4%)	15,204 (67%)	7,639 (33%)	213 (16%)	1,139 (84%)	19,017 (72%)	7,439 (28%)	56,472 (77%)	17,225 (23%)

NORTH DAKOTA BARLEY SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1974-75 to 1981-82
 (thousand bushels)

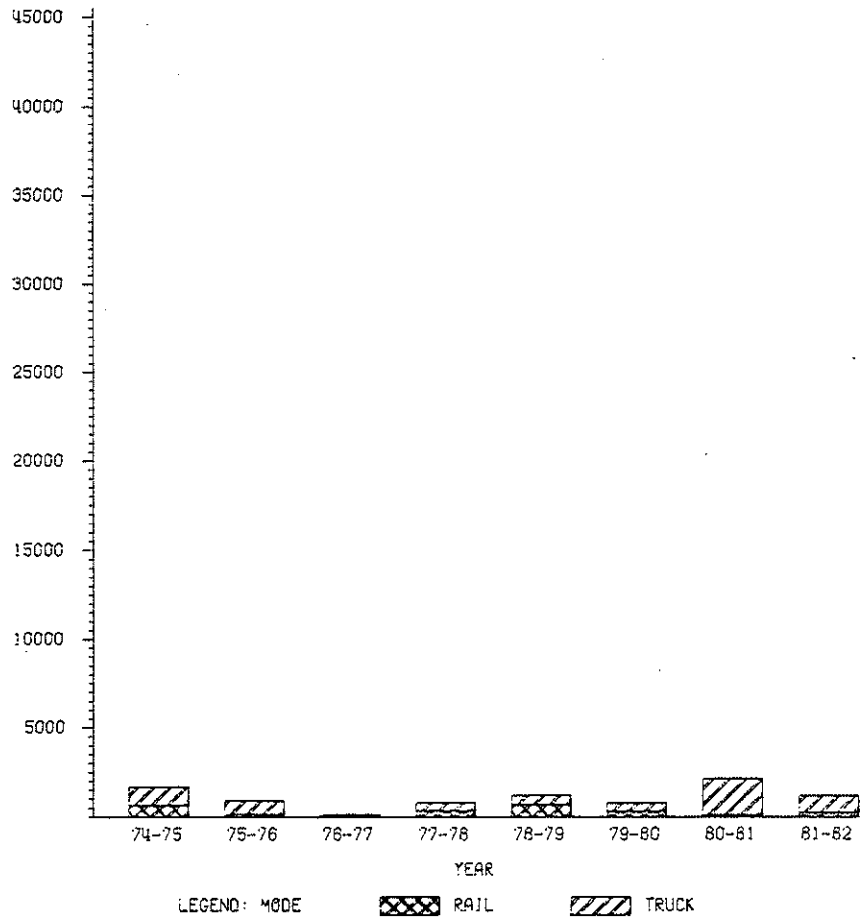


MINNEAPOLIS - ST. PAUL

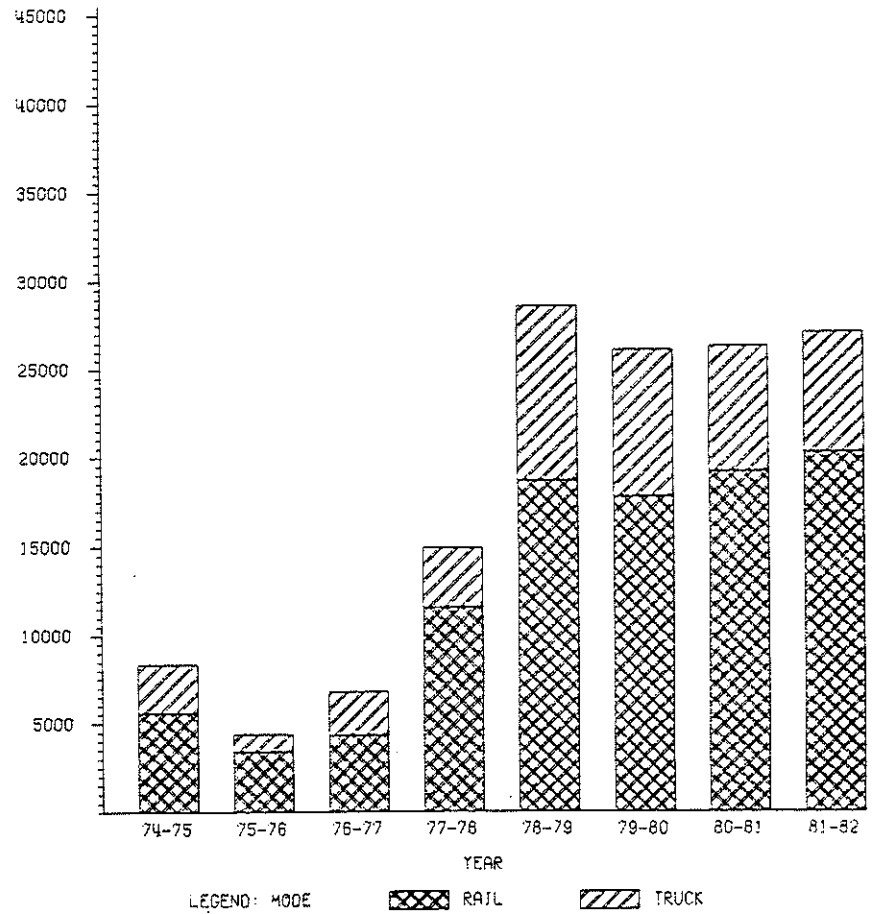


DULUTH - SUPERIOR

NORTH DAKOTA BARLEY SHIPMENTS, cont.

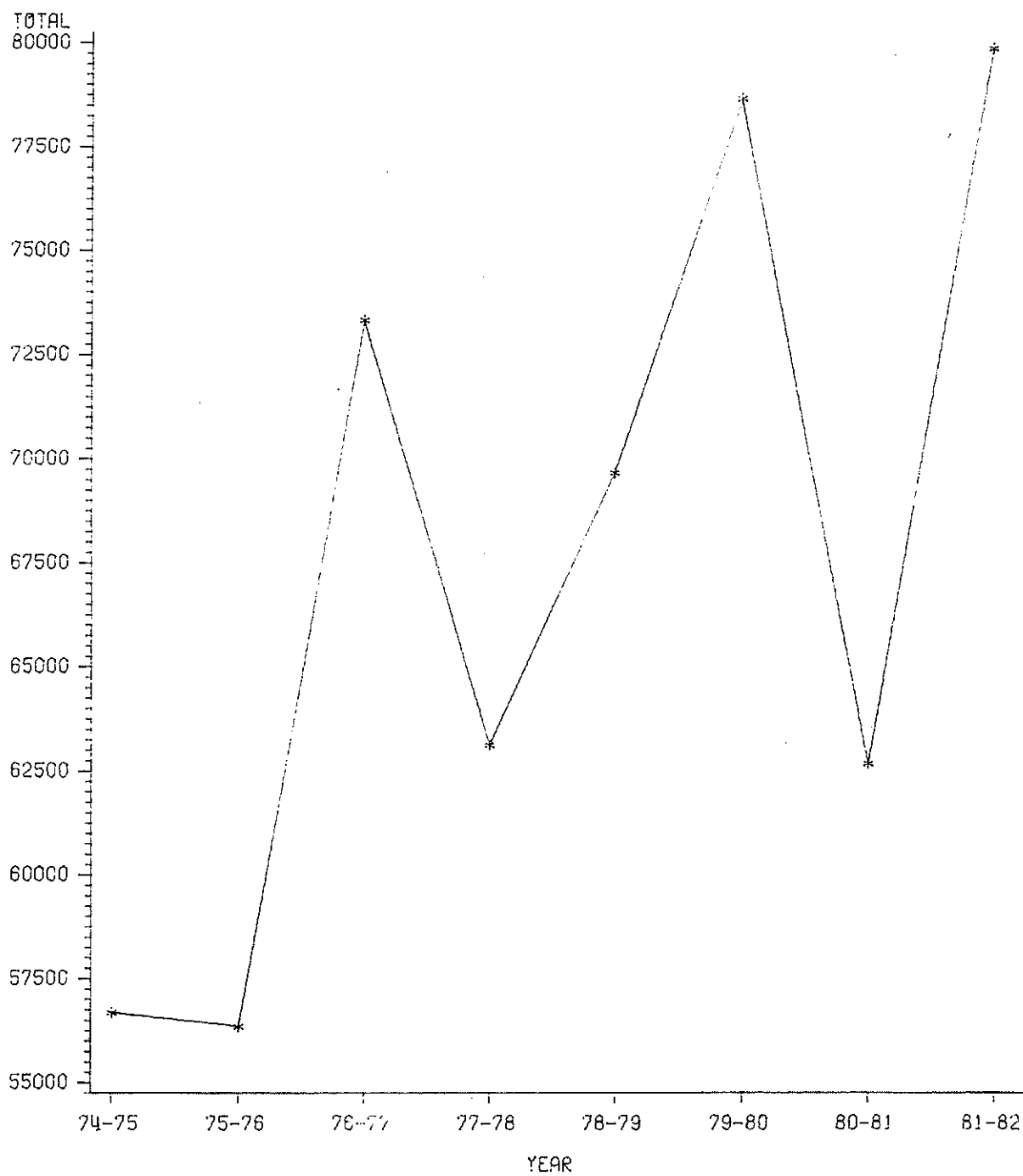


WEST



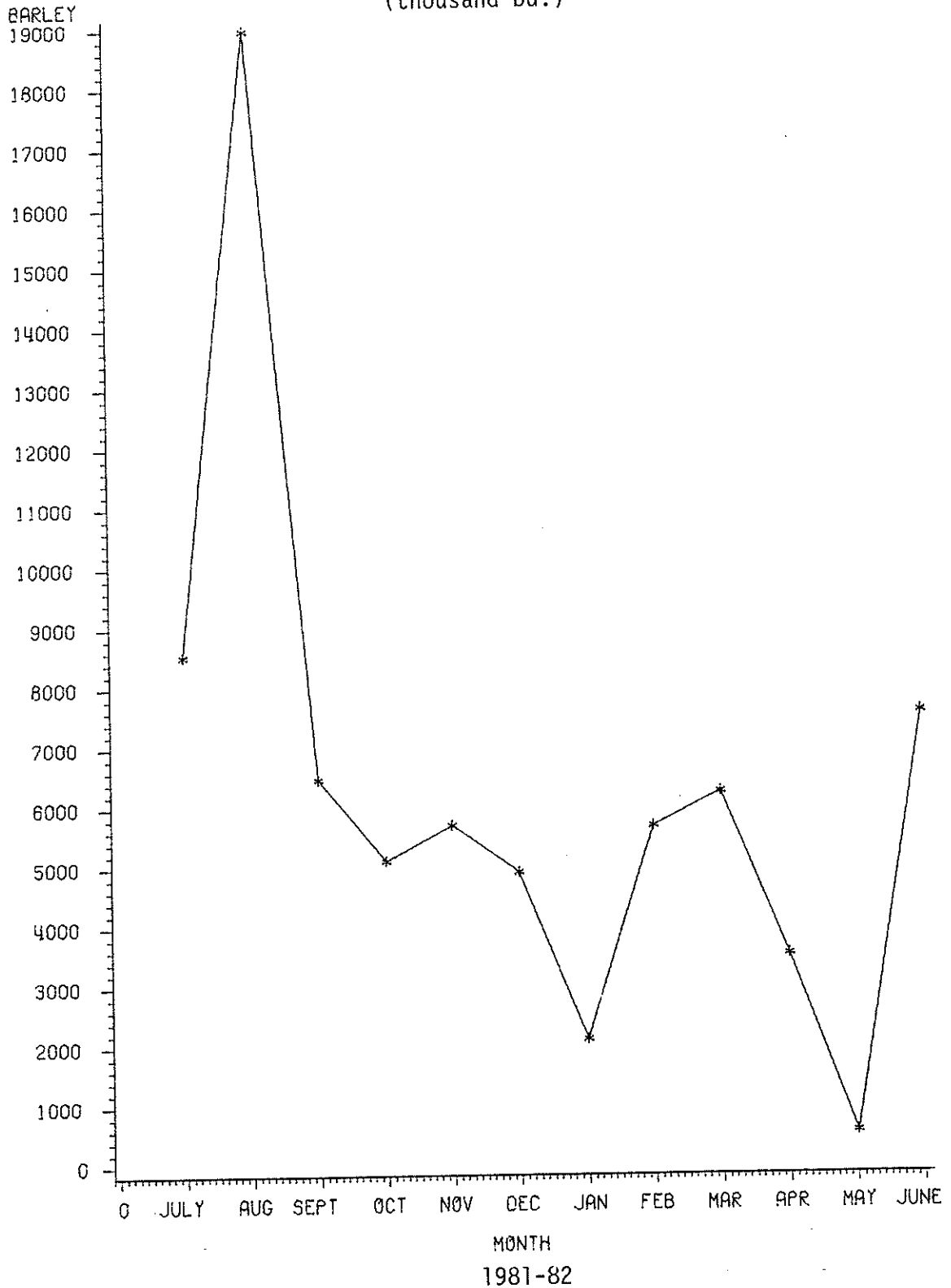
MISC. MARKETS

NORTH DAKOTA BARLEY SHIPMENTS
1974-75 to 1981-82
(thousand bushels)



NORTH DAKOTA BARLEY SHIPMENTS BY MONTH

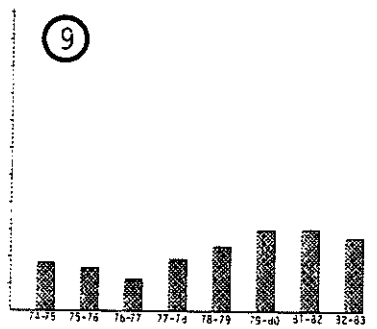
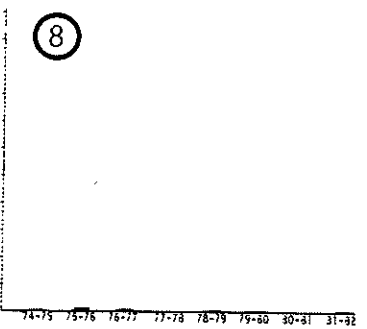
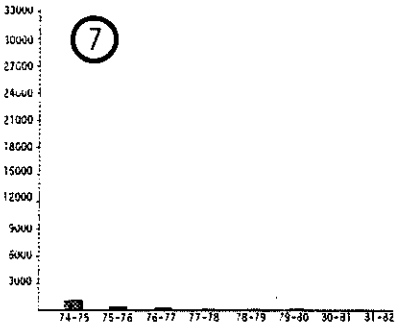
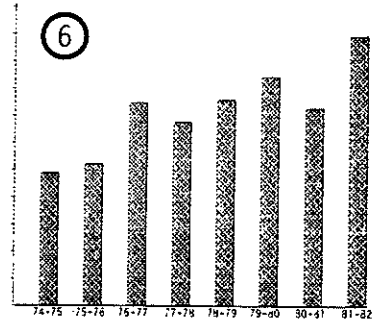
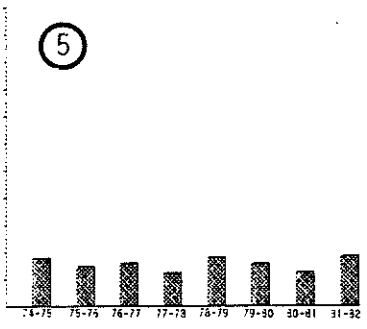
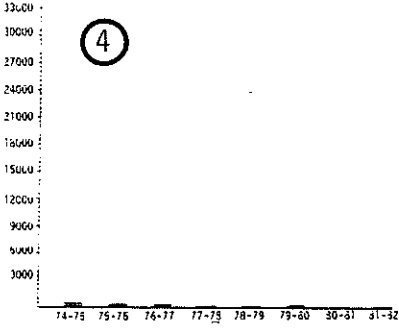
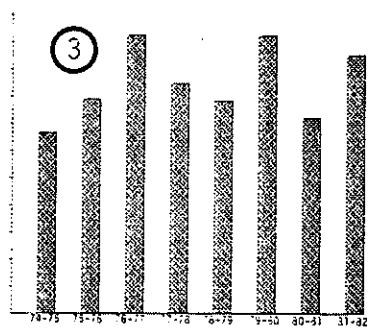
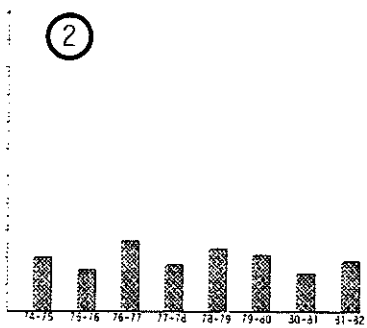
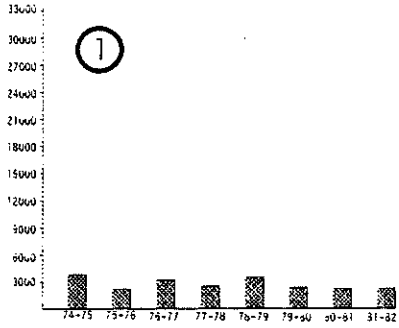
(thousand bu.)



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.)									
1974-75	3,813	6,023	19,947	462	5,321	14,602	1,075	136	5,294	56,673
1975-76	2,183	4,621	23,698	339	4,439	15,619	386	342	4,728	56,355
1976-77	3,229	7,761	30,727	345	4,773	22,440	300	237	3,501	73,313
1977-78	2,502	5,220	25,417	175	3,682	20,258	94	20	5,747	63,115
1978-79	3,515	6,930	23,449	164	5,423	22,739	120	122	7,185	69,647
1979-80	2,355	6,267	30,625	214	4,697	25,247	130	106	8,980	78,621
1980-81	2,162	4,217	21,561	56	3,782	21,812	13	21	9,049	62,673
1981-82	2,175	5,571	28,506	89	5,504	29,773	12	63	8,108	79,801
3 Year Average	2,231	5,352	26,897	120	4,661	25,611	52	63	8,712	73,698

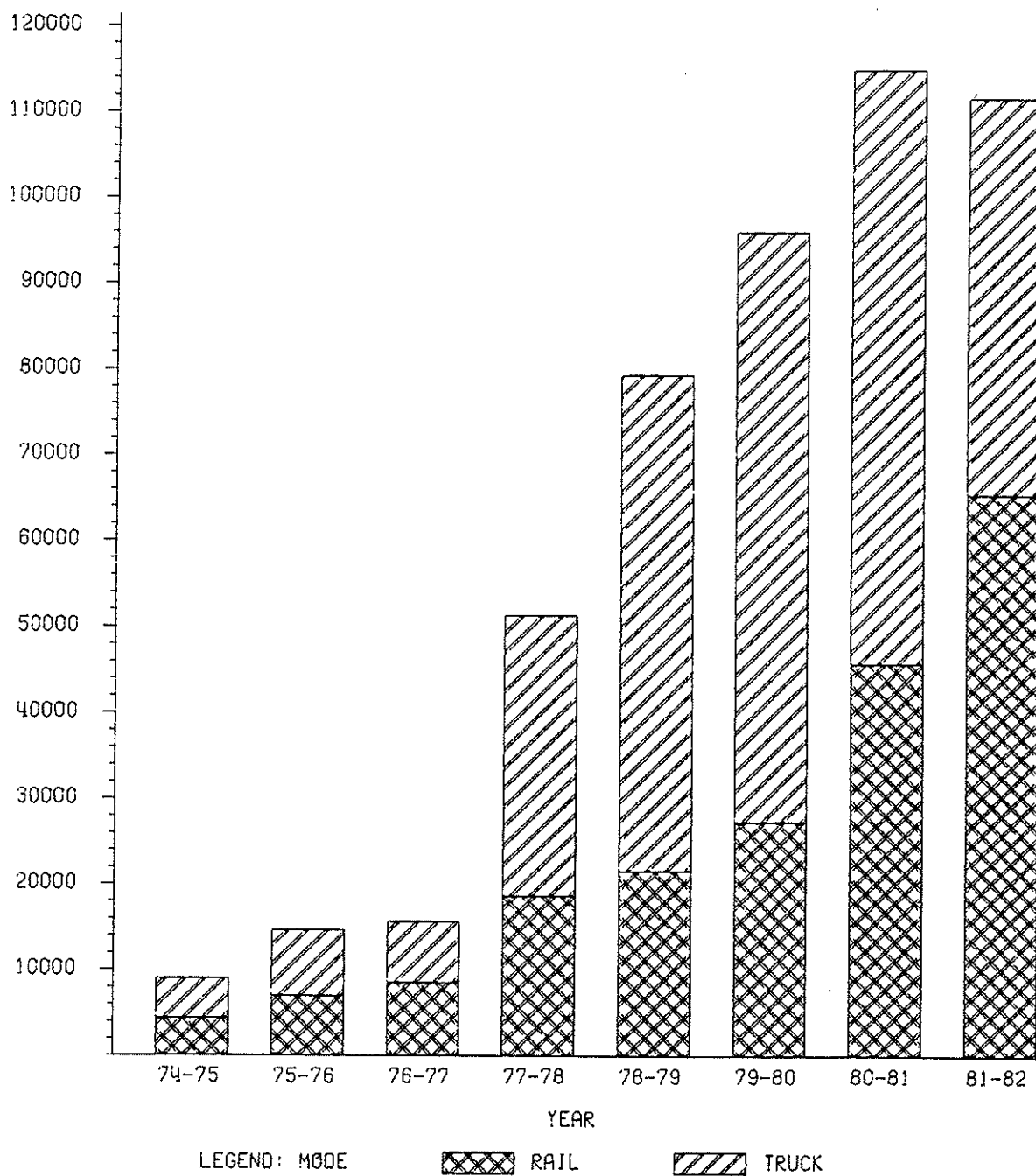
NORTH DAKOTA BARLEY SHIPMENTS BY CRD
(thousand bu.)



NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	OTHER MINN.	MISC. MARKETS	TOTAL
	(thousand bu.)				
1974-75	401 (4%)	3,932 (44%)	1,075 (12%)	3,605 (40%)	9,013 (100%)
1975-76	1,158 (8%)	8,083 (56%)	1,147 (8%)	4,166 (27%)	14,554 (100%)
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 (7%)	29,024 (25%)	114,866 (100%)
1981-82	6,664 (6%)	70,391 (63%)	3,479 (3%)	30,962 (28%)	111,496 (100%)
3 Year Average	7,661 (7%)	69,030 (64%)	6,697 (6%)	24,045 (22%)	107,434 (100%)

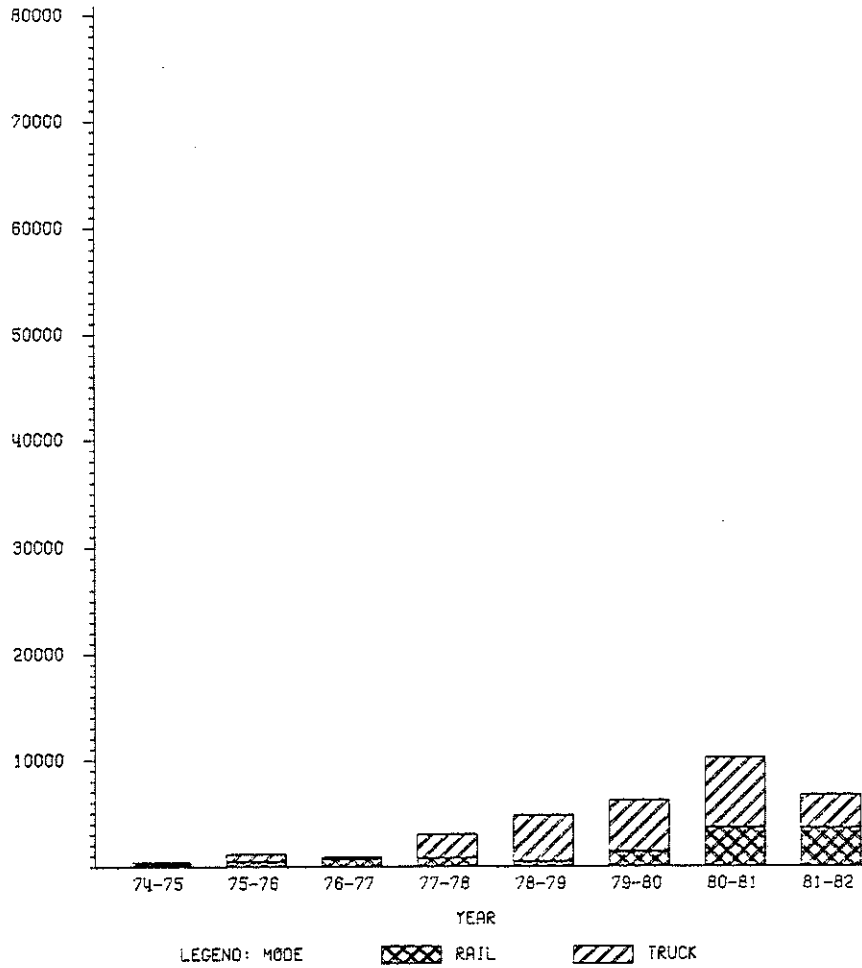
NORTH DAKOTA SUNFLOWER SHIPMENTS TO ALL
DESTINATIONS BY TRUCK AND RAIL
(1974-75 to 1981-82)
(thousand bushels)



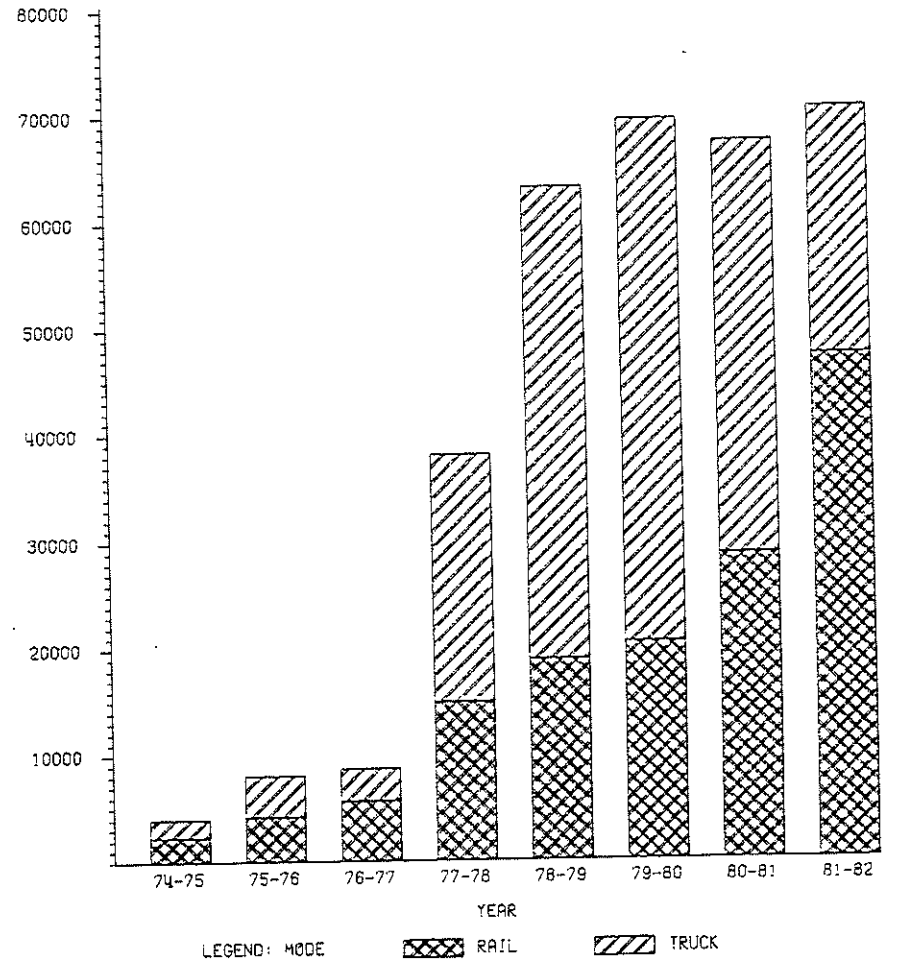
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		OTHER MINN.		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1974-75	190 (47%)	211 (53%)	2,271 (58%)	1,661 (42%)	232 (22%)	843 (78%)	1,646 (46%)	1,959 (54%)	4,339 (48%)	4,674 (52%)
1975-76	510 (44%)	647 (56%)	4,155 (51%)	3,928 (49%)	279 (24%)	868 (76%)	1,947 (47%)	2,220 (53%)	6,891 (47%)	7,663 (53%)
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 (42%)	4,433 (58%)	18,571 (63%)	32,708 (27%)
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%)	13,165 (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%)
3 Year Average	2,859 (37%)	4,801 (63%)	32,083 (46%)	36,947 (54%)	296 (4%)	6,400 (96%)	10,924 (45%)	13,121 (55%)	46,163 (43%)	61,271 (57%)

NORTH DAKOTA SUNFLOWER SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1974-75 to 1981-82
 (thousand bushels)

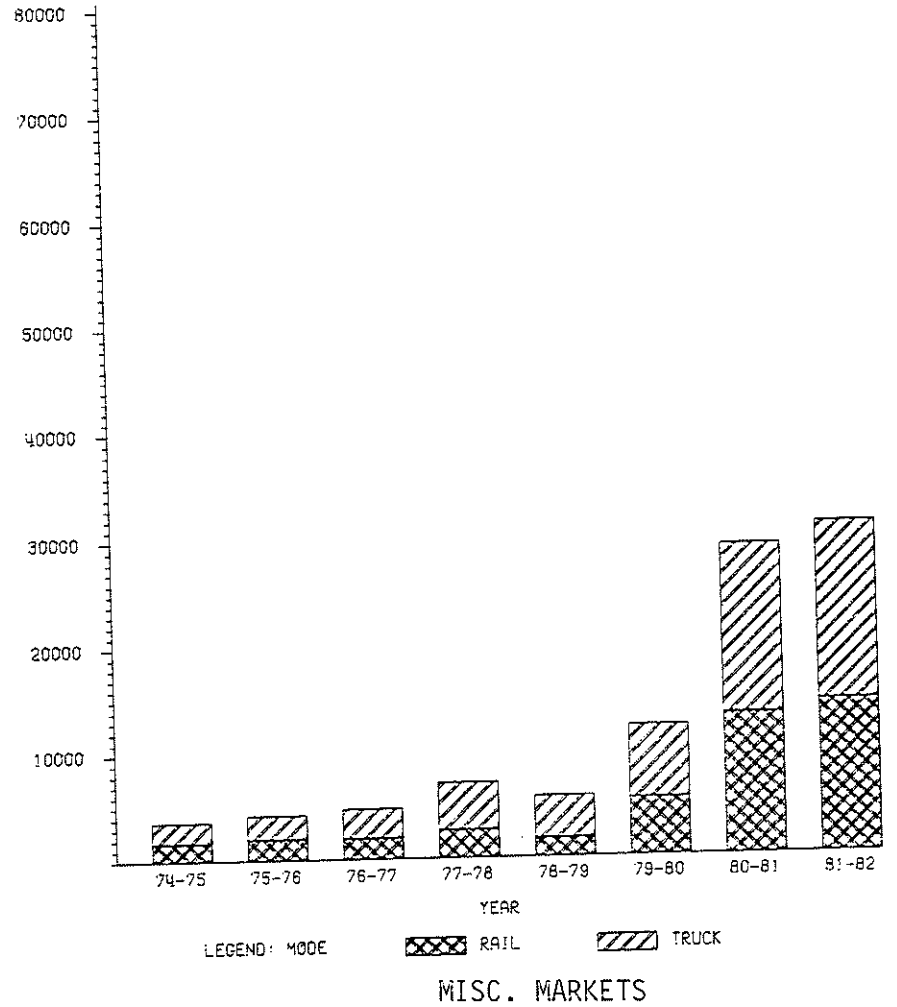
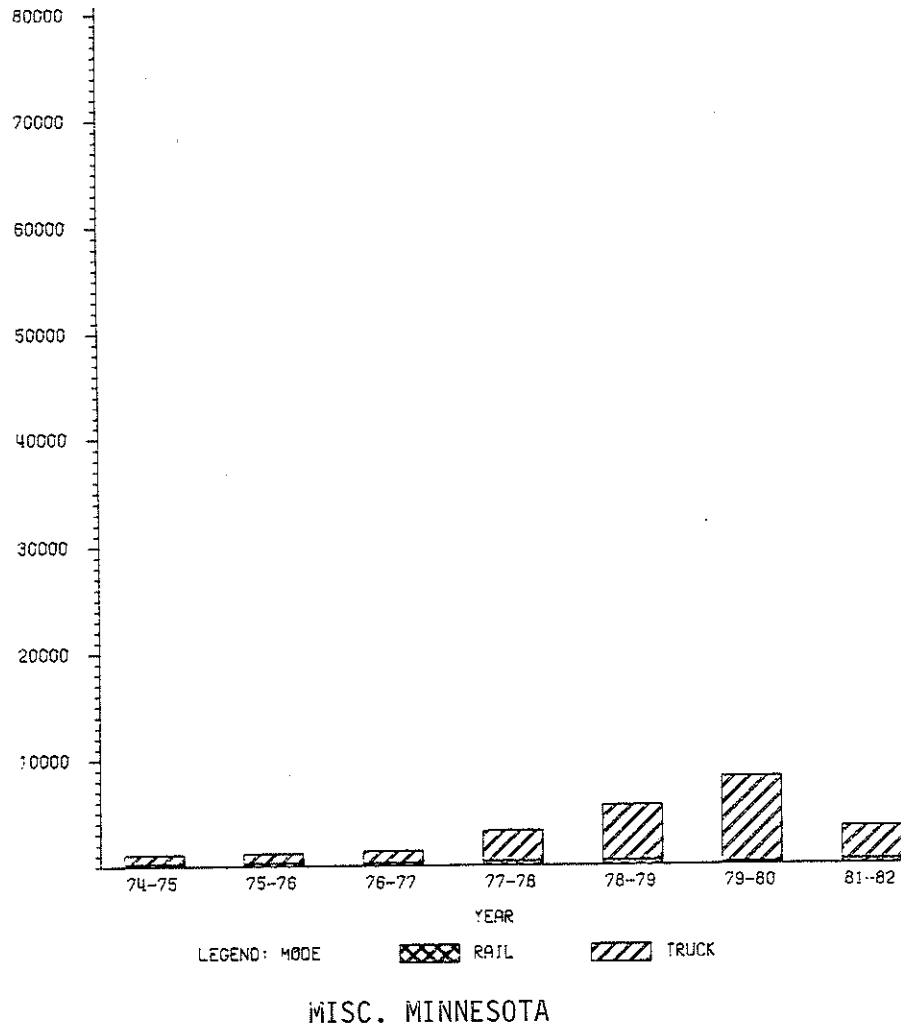


MINNEAPOLIS - ST. PAUL

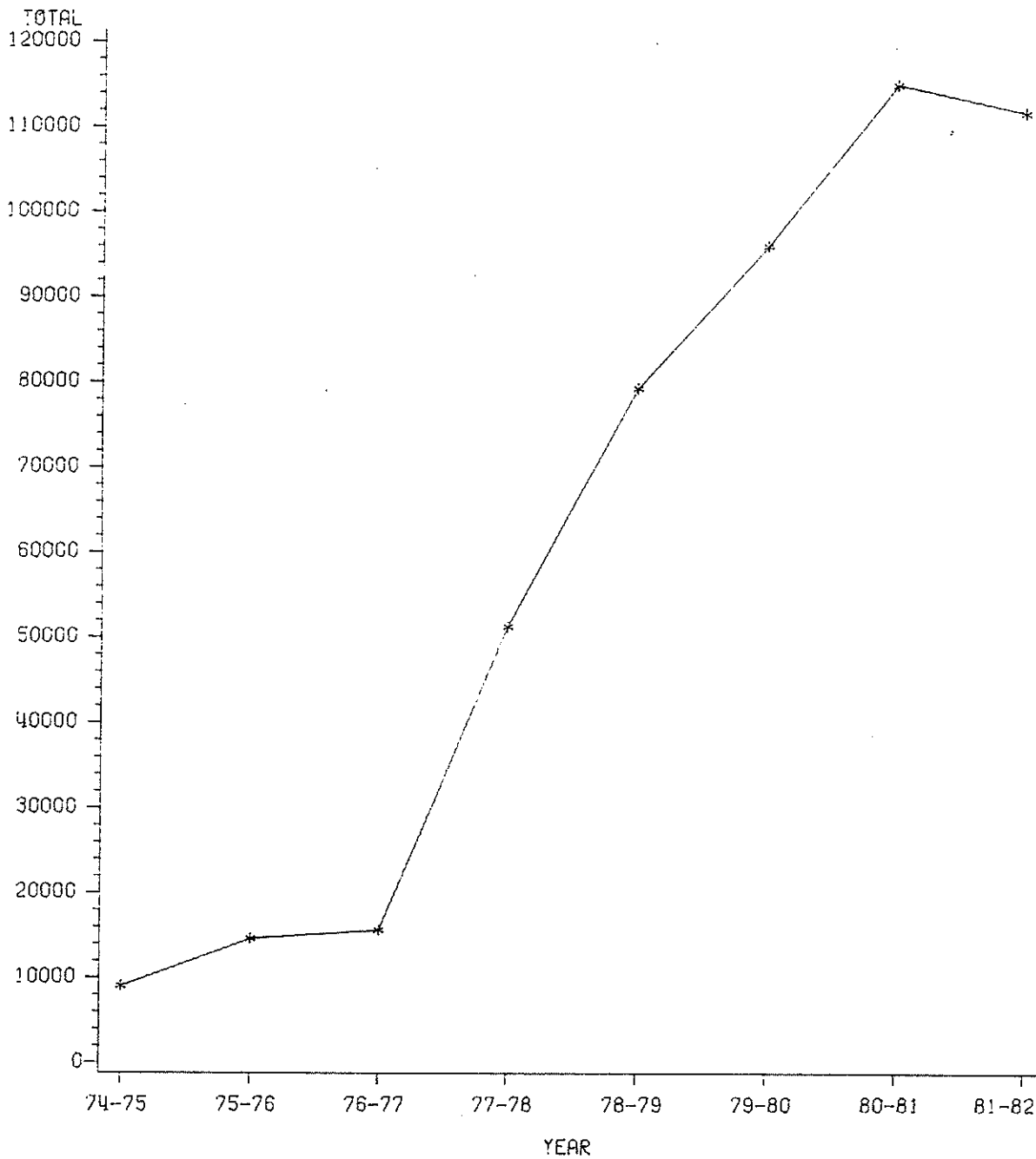


DULUTH - SUPERIOR

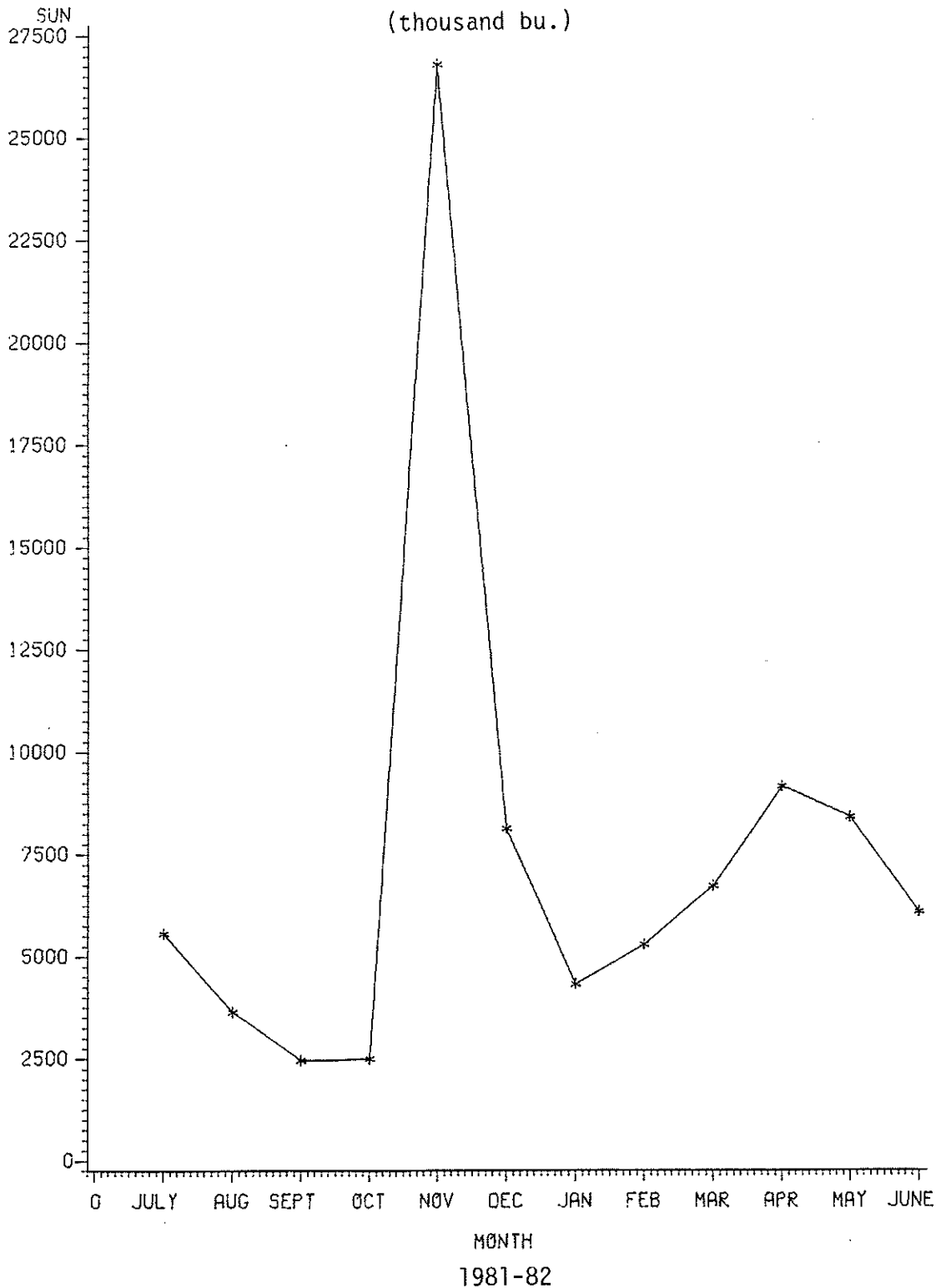
NORTH DAKOTA SUNFLOWER SHIPMENTS, cont.



NORTH DAKOTA SUNFLOWER SHIPMENTS

1974-75 to 1981-82
(thousand bushels)

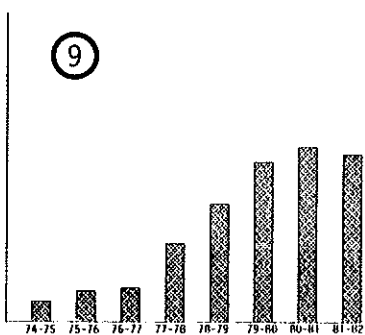
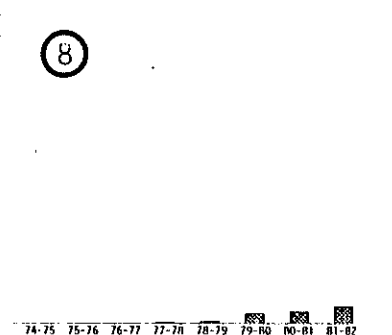
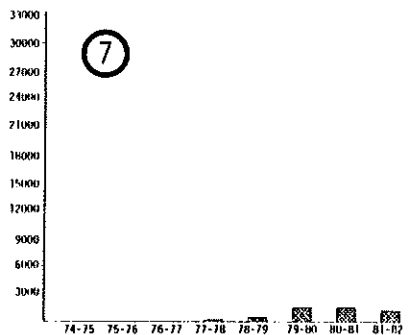
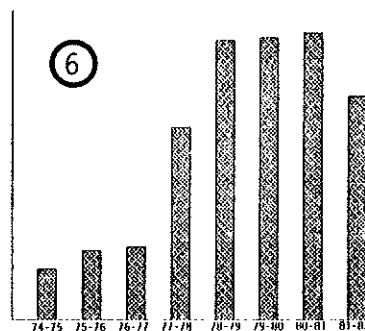
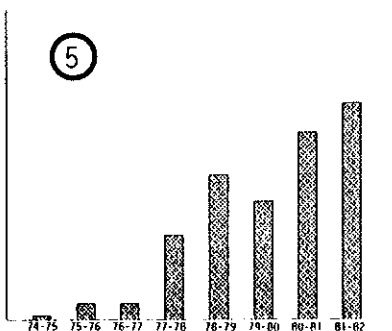
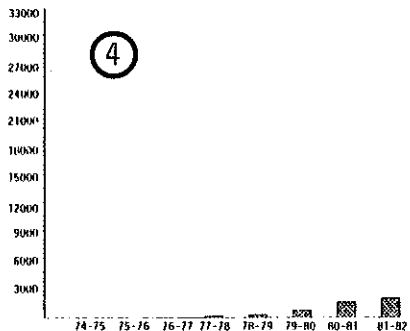
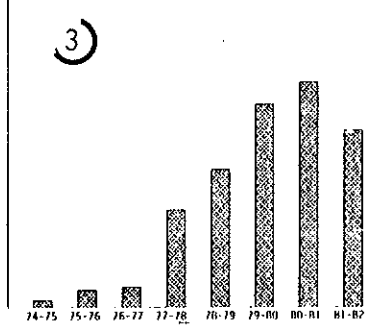
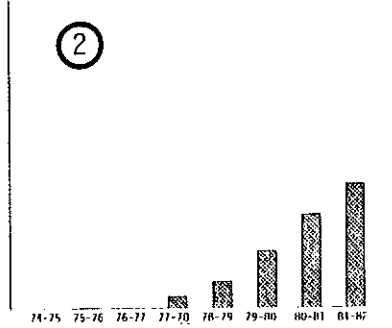
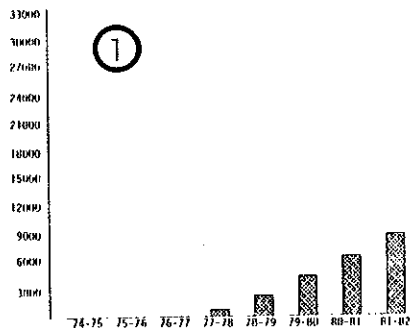
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY MONTH



NORTH DAKOTA SUNFLOWER SEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

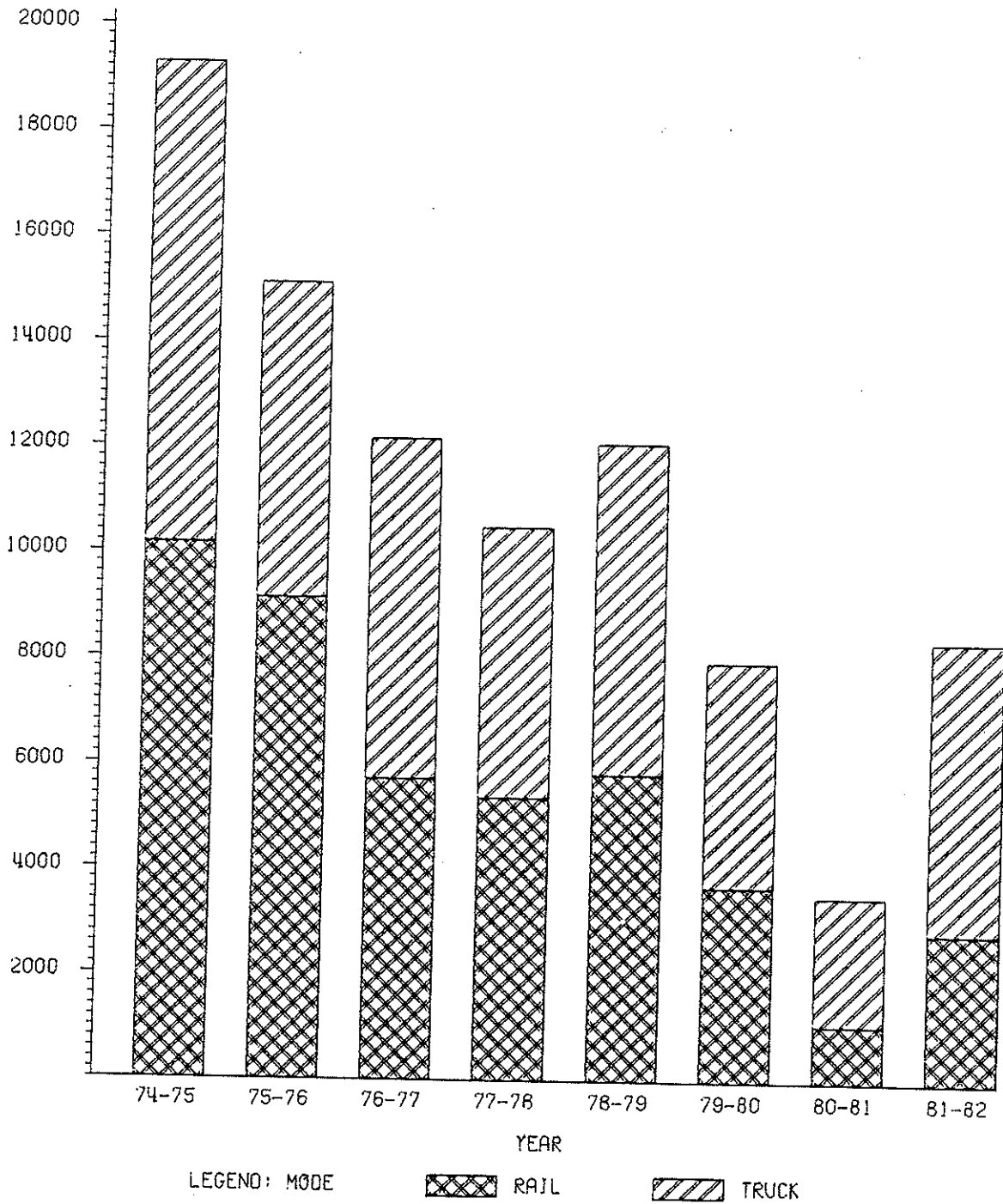
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
1974-75	15	2	791	4	470	5,464	0	0	2,267	9,013
1975-76	0	71	1,853	9	1,772	7,441	2	7	3,399	14,554
1976-77	7	26	2,184	20	1,788	7,861	25	0	3,711	15,622
1977-78	771	1,267	10,469	179	9,087	20,710	225	129	8,442	51,279
1978-79	2,233	2,839	14,803	336	15,560	30,050	485	225	12,722	79,253
1979-80	4,317	6,101	21,814	819	12,706	30,333	1,550	1,045	17,254	95,939
1980-81	6,422	9,970	24,165	1,668	20,114	30,871	1,528	1,256	18,872	114,866
1981-82	8,702	13,245	18,996	2,106	23,244	24,067	1,219	1,831	18,086	111,496
3 Year Average	6,480	9,772	21,658	1,531	18,688	28,423	1,432	1,377	18,070	107,433

NORTH DAKOTA SUNFLOWER SHIPMENTS BY CRD
(thousand bu.)



NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION

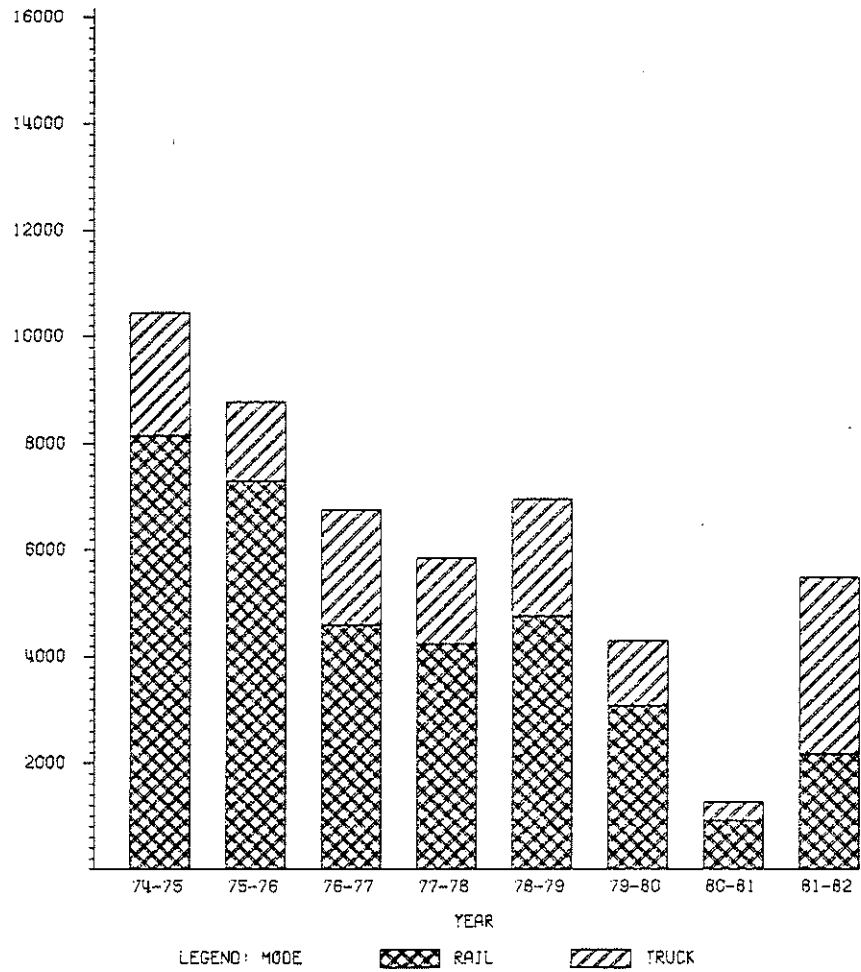
YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1974-75	10,439 (54%)	3,572 (19%)	3,446 (18%)	1,825 (9%)	19,282 (100%)
1975-76	8,779 (58%)	3,531 (23%)	1,458 (10%)	1,334 (9%)	15,102 (100%)
1976-77	6,769 (56%)	1,932 (16%)	1,427 (12%)	2,031 (17%)	12,159 (100%)
1977-78	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%)
3 Year Average	3,686 (56%)	456 (7%)	1,049 (16%)	1,427 (22%)	6,618 (100%)

NORTH DAKOTA OATS SHIPMENTS TO ALL
DESTINATIONS BY TRUCK AND RAIL1974-75 to 1981-82
(thousand bushels)

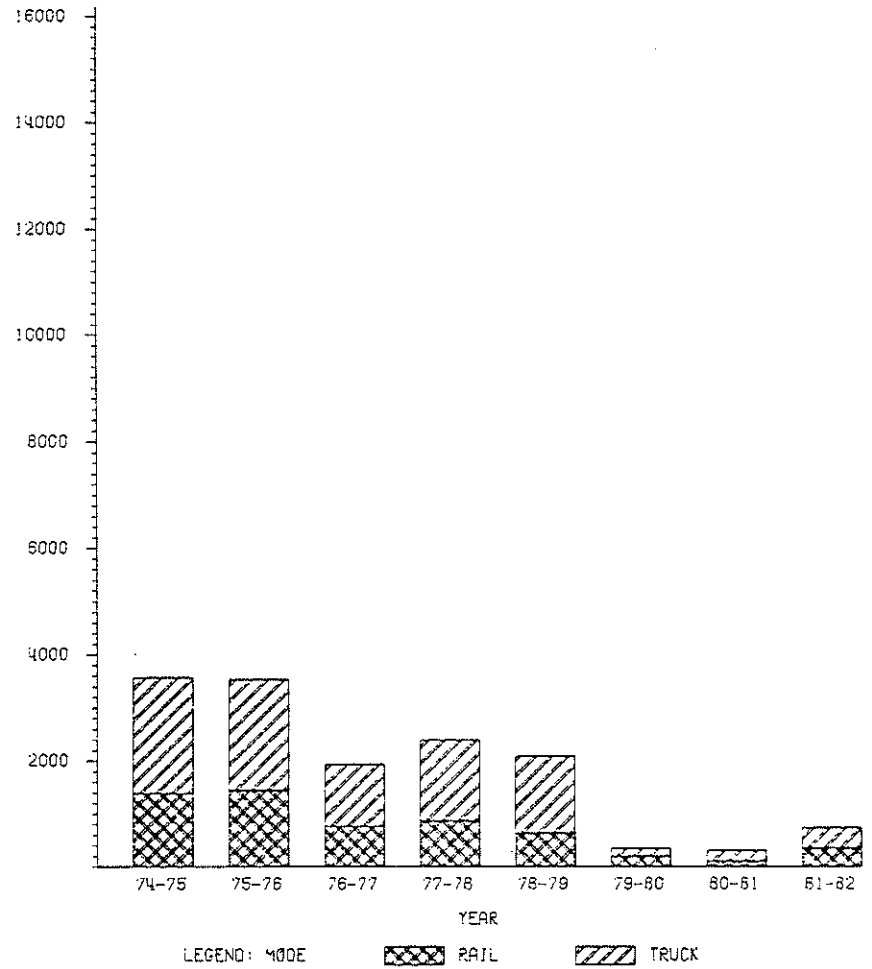
NORTH DAKOTA OATS SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1974-75	8,148 (78%)	2,291 (22%)	1,373 (38%)	2,199 (62%)	319 (9%)	3,127 (91%)	316 (17%)	1,509 (83%)	10,156 (52%)	9,126 (47%)
1975-76	7,300 (83%)	1,479 (17%)	1,442 (41%)	2,090 (59%)	92 (6%)	1,366 (94%)	304 (24%)	1,031 (77%)	9,138 (61%)	5,966 (39%)
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%)
3 Year Average	2,052 (56%)	1,633 (44%)	211 (46%)	245 (54%)	46 (4%)	1,003 (96%)	232 (16%)	1,195 (84%)	2,540 (38%)	4,077 (62%)

NORTH DAKOTA OATS SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1974-75 to 1981-82
 (thousand bushels)

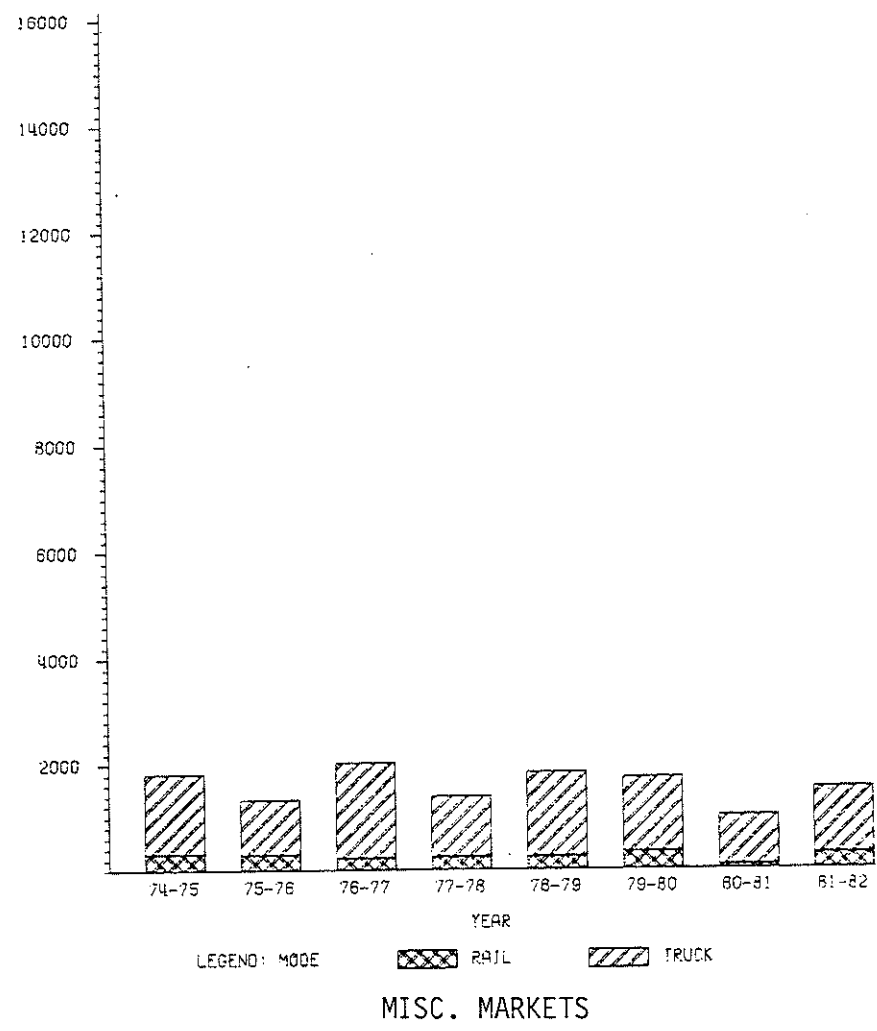
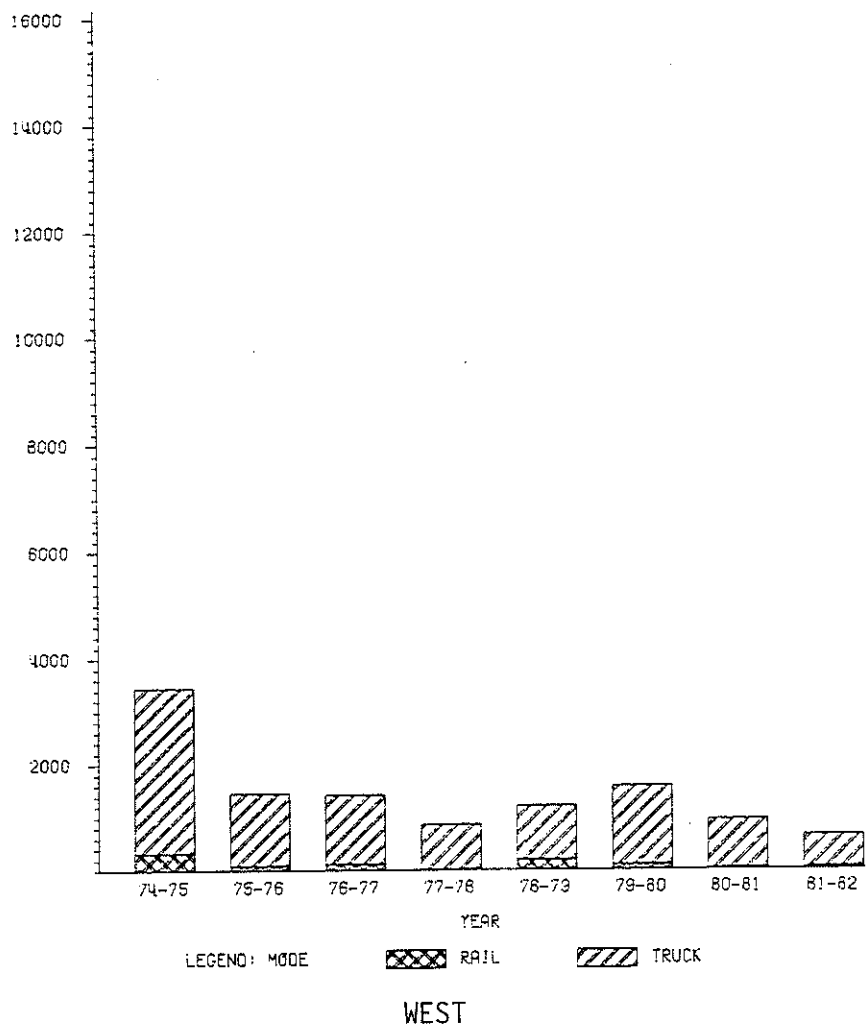


MINNEAPOLIS - ST. PAUL

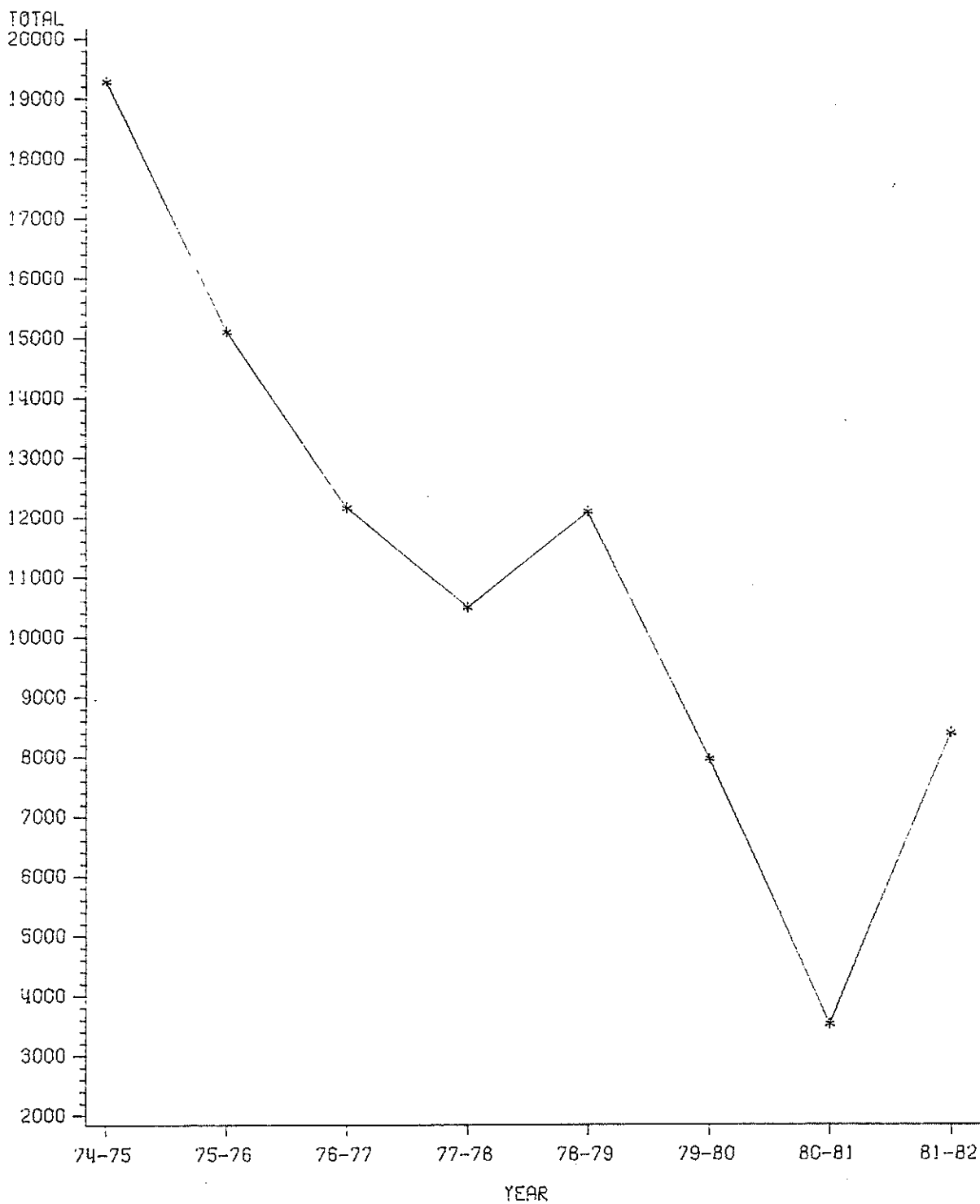


DULUTH - SUPERIOR

NORTH DAKOTA OATS SHIPMENTS, cont.

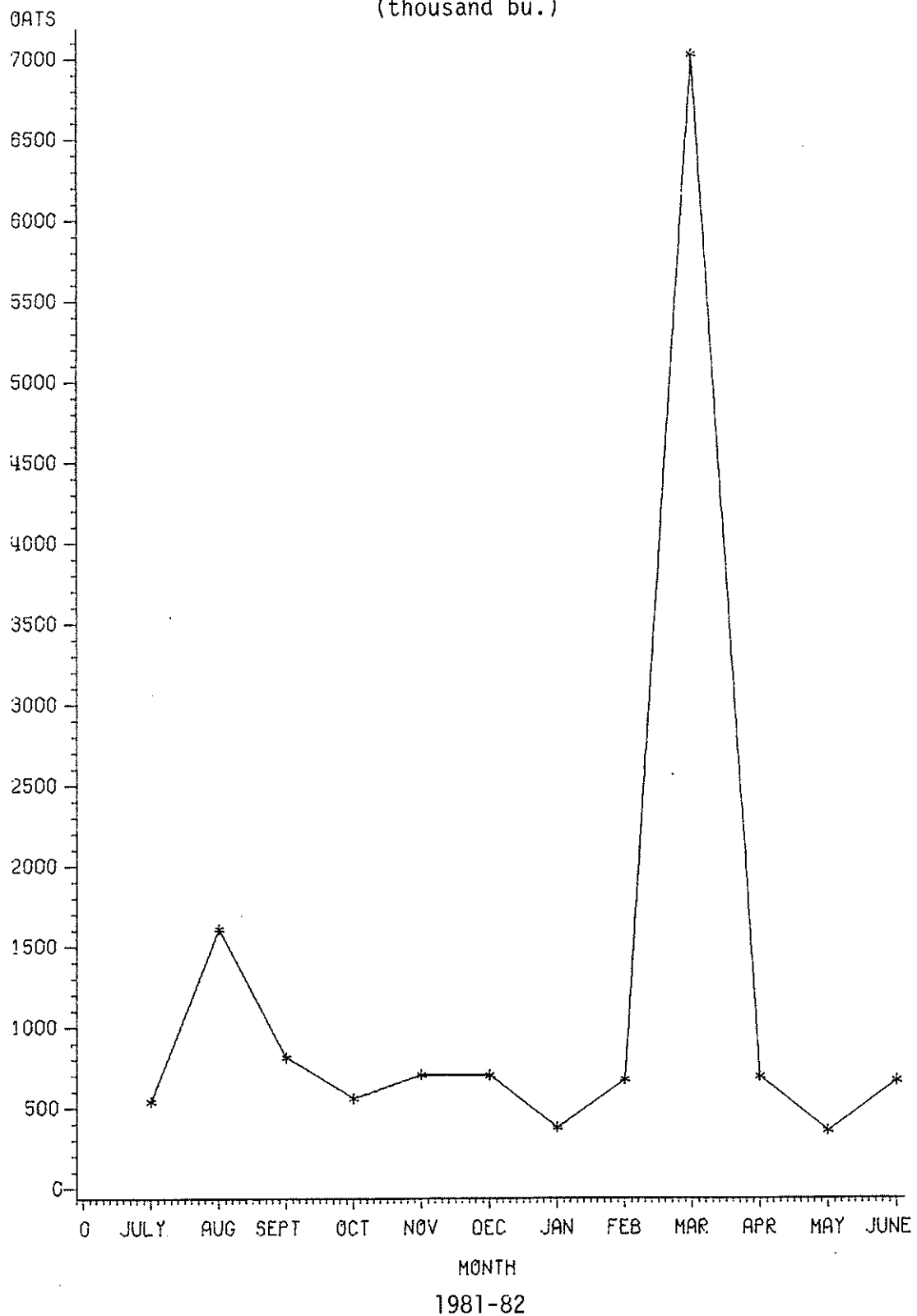


NORTH DAKOTA OATS SHIPMENTS
1974-75 to 1981-82
(thousand bushels)



NORTH DAKOTA OATS SHIPMENTS BY MONTH

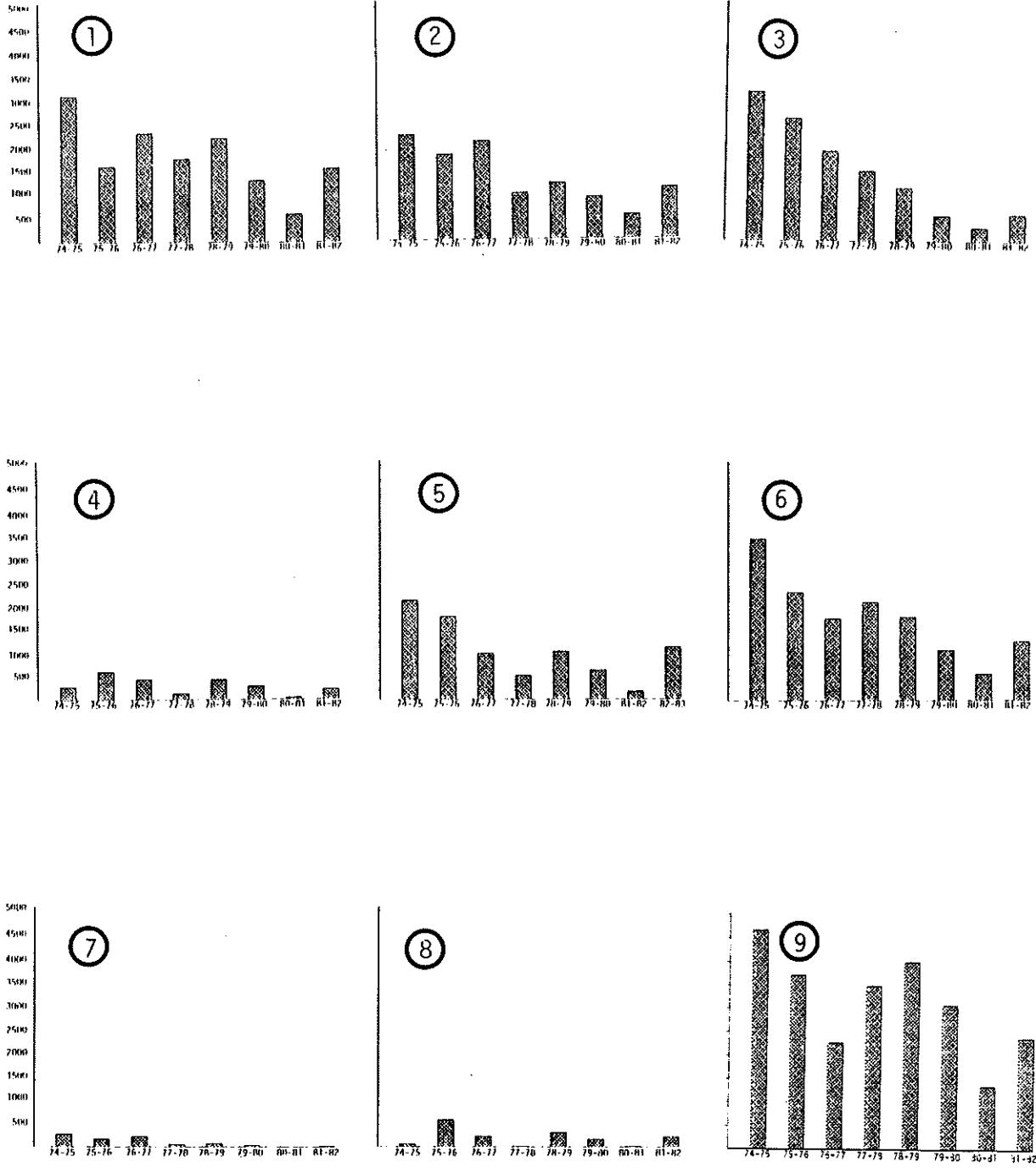
(thousand bu.)



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.)									
1974-75	3,103	2,221	3,153	283	2,095	3,426	266	65	4,668	19,280
1975-76	1,613	1,806	2,590	596	1,757	2,297	163	573	3,709	15,102
1976-77	2,309	2,081	1,904	436	976	1,733	225	226	2,269	12,159
1977-78	1,769	974	1,485	137	507	2,077	47	7	3,490	10,493
1978-79	2,200	1,184	1,132	425	1,016	1,760	68	301	4,002	12,086
1979-80	1,305	875	544	282	619	1,057	38	159	3,079	7,958
1980-81	590	502	292	42	167	558	4	8	1,352	3,515
1981-82	1,556	1,070	579	217	1,106	1,243	19	212	2,377	8,379
3 Year Average	1,150	816	472	180	631	953	20	126	2,269	6,617

NORTH DAKOTA OATS SHIPMENTS BY CRD
(thousand bu.)



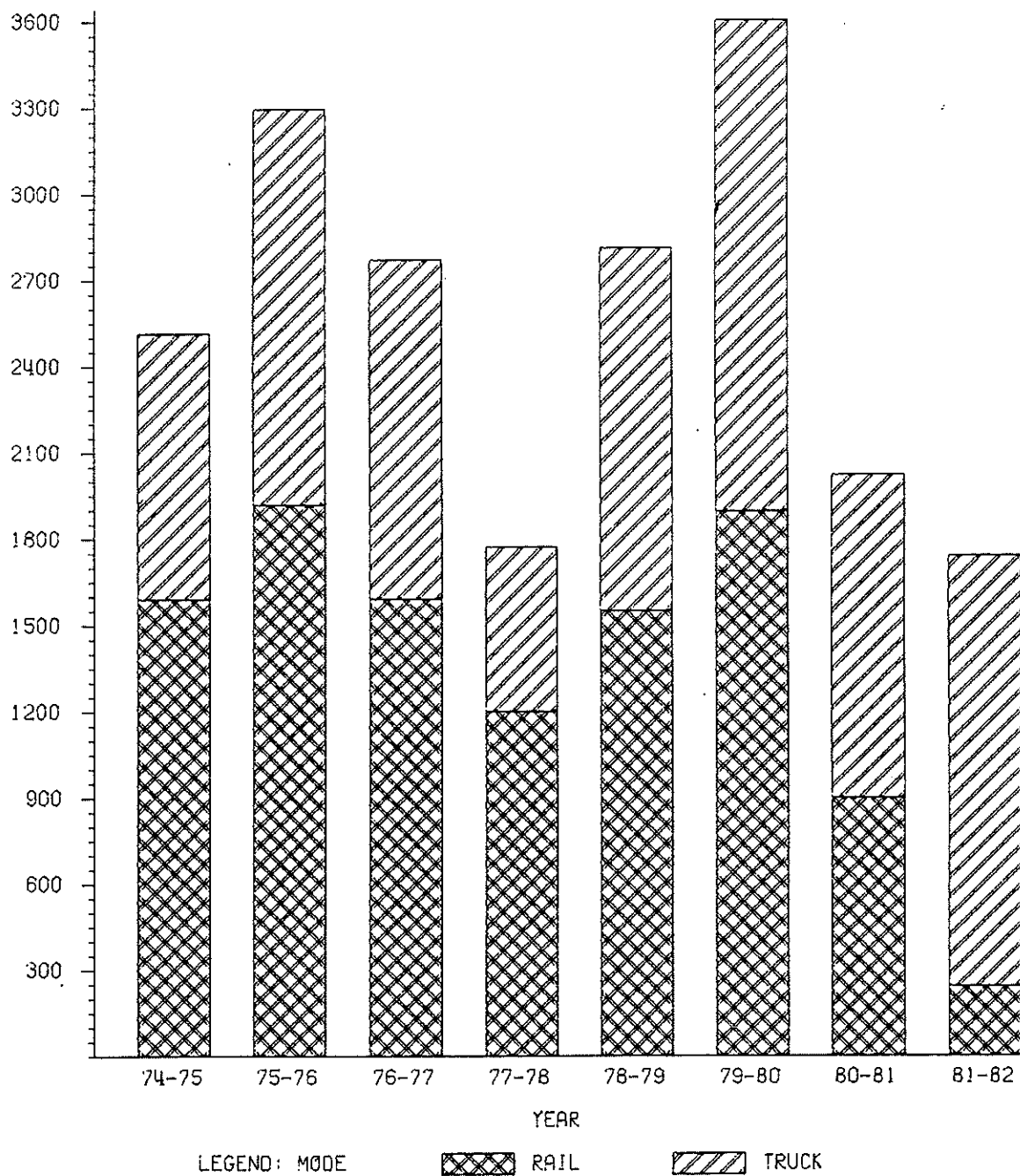
NORTH DAKOTA RYE SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1974-75	899 (36%)	1,316 (52%)	100 (4%)	198 (8%)	2,513 (100%)
1975-76	1,438 (44%)	1,331 (40%)	71 (2%)	455 (14%)	3,295 (100%)
1976-77	1,612 (58%)	557 (20%)	86 (3%)	514 (19%)	2,769 (100%)
1977-78	769 (43%)	671 (38%)	104 (6%)	228 (13%)	1,772 (100%)
1978-79	1,357 (48%)	1,017 (36%)	74 (3%)	363 (13%)	2,811 (100%)
1979-80	1,195 (33%)	2,002 (56%)	112 (3%)	290 (8%)	3,599 (100%)
1980-81	541 (27%)	958 (47%)	76 (4%)	445 (22%)	2,020 (100%)
1981-82	874 (50%)	502 (28%)	79 (6%)	285 (16%)	1,740 (100%)
3 Year Average	870 (35%)	1,154 (47%)	89 (4%)	340 (14%)	2,453 (100%)

NORTH DAKOTA RYE SHIPMENTS TO ALL
DESTINATIONS BY TRUCK AND RAIL

1974-75 to 1981-82

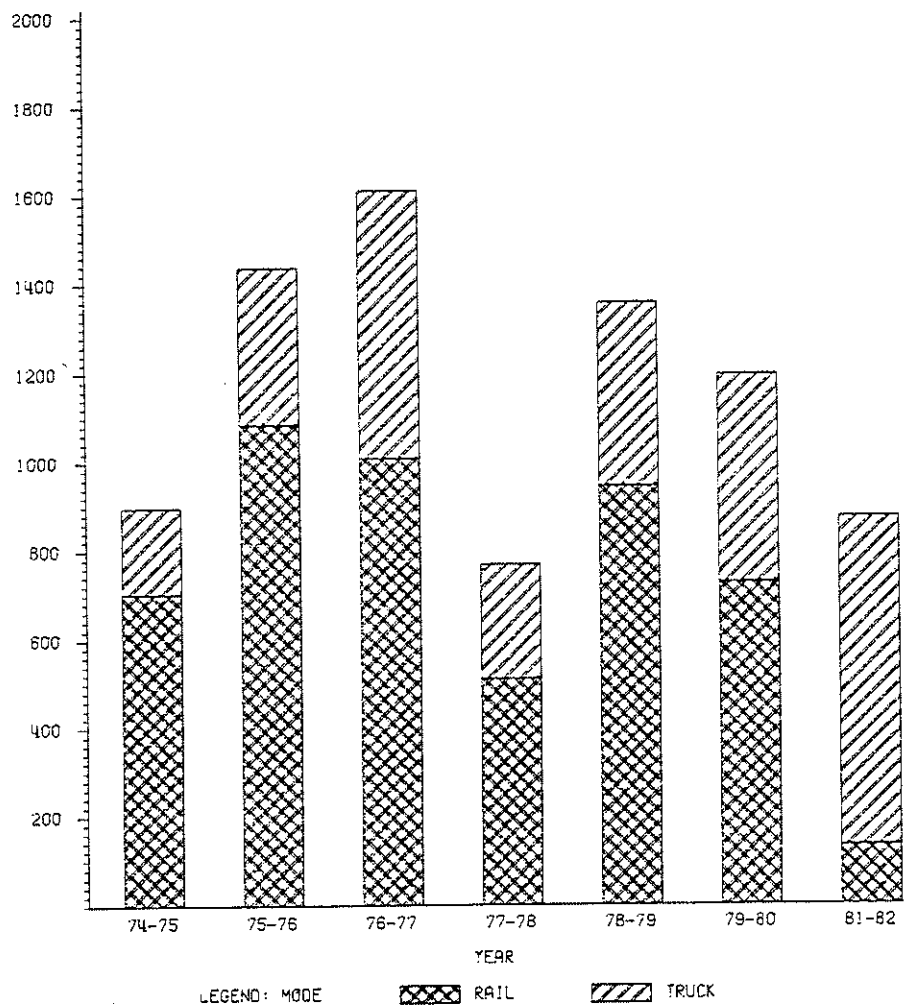
(thousand bushels)



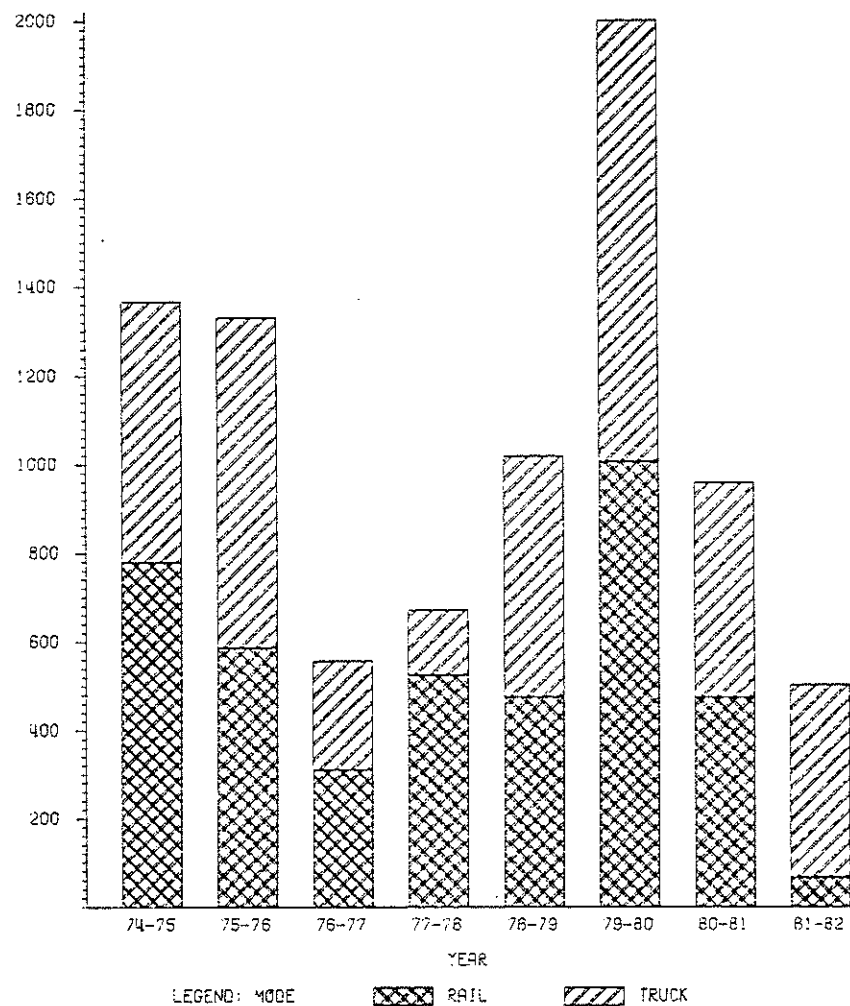
NORTH DAKOTA RYE SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
1974-75	703 (78%)	196 (22%)	779 (59%)	538 (41%)	9 (9%)	91 (91%)	100 (50%)	98 (50%)	1,591 (63%)	923 (37%)
1975-76	1,085 (75%)	353 (25%)	588 (44%)	743 (56%)	0 (0%)	71 (100%)	245 (54%)	210 (46%)	1,918 (58%)	1,377 (42%)
1976-77	1,009 (63%)	603 (36%)	311 (56%)	246 (44%)	6 (7%)	80 (93%)	267 (52%)	247 (48%)	1,593 (58%)	1,176 (42%)
1977-78	512 (67%)	257 (33%)	525 (78%)	146 (47%)	22 (21%)	82 (79%)	142 (62%)	86 (38%)	1,201 (68%)	571 (32%)
1978-79	946 (70%)	411 (30%)	476 (47%)	541 (53%)	6 (8%)	68 (92%)	121 (33%)	242 (67%)	1,549 (55%)	1,262 (45%)
1979-80	727 (61%)	468 (39%)	1,005 (50%)	997 (50%)	41 (37%)	70 (63%)	122 (42%)	169 (58%)	1,895 (53%)	1,704 (47%)
1980-81	341 (63%)	200 (37%)	473 (49%)	485 (51%)	0 (0%)	76 (100%)	84 (19%)	361 (81%)	898 (44%)	1,122 (56%)
1981-82	131 (15%)	743 (85%)	66 (13%)	436 (87%)	0 (0%)	79 (100%)	46 (16%)	239 (84%)	240 (14%)	1,497 (86%)
3 Year Average	400 (46%)	470 (54%)	515 (45%)	639 (55%)	14 (16%)	75 (84%)	84 (25%)	256 (75%)	1,011 (41%)	1,441 (59%)

NORTH DAKOTA RYE SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1974-75 to 1981-82
 (thousand bushels)

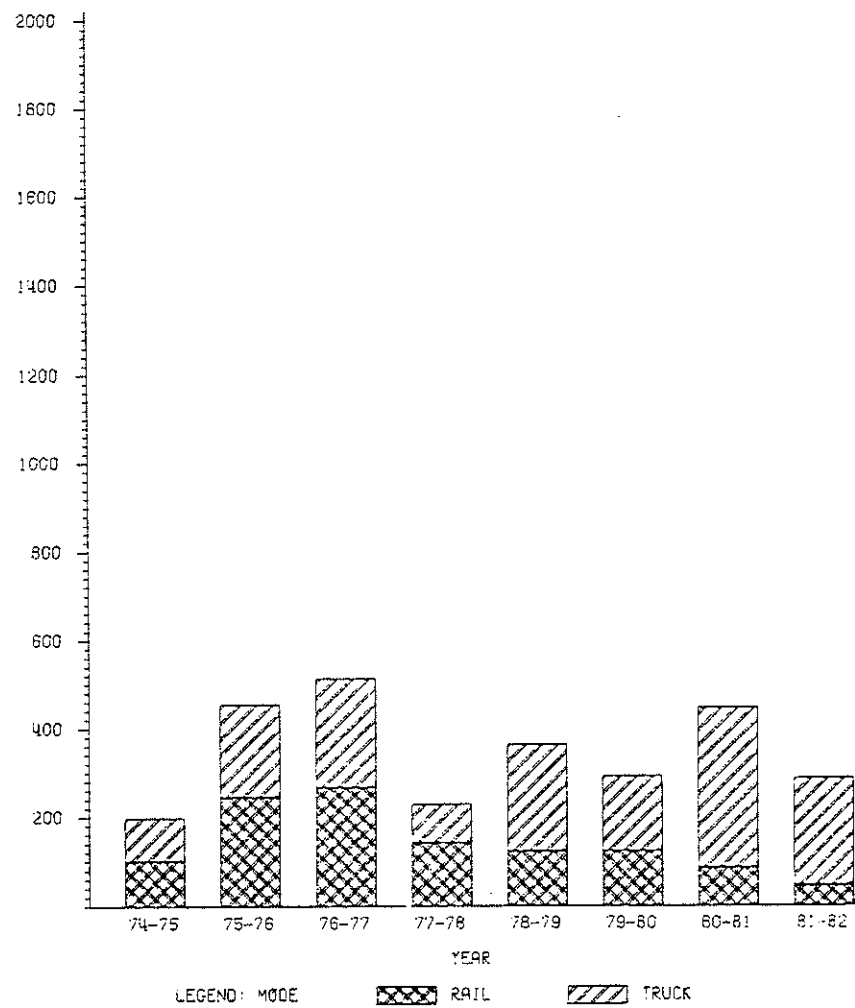
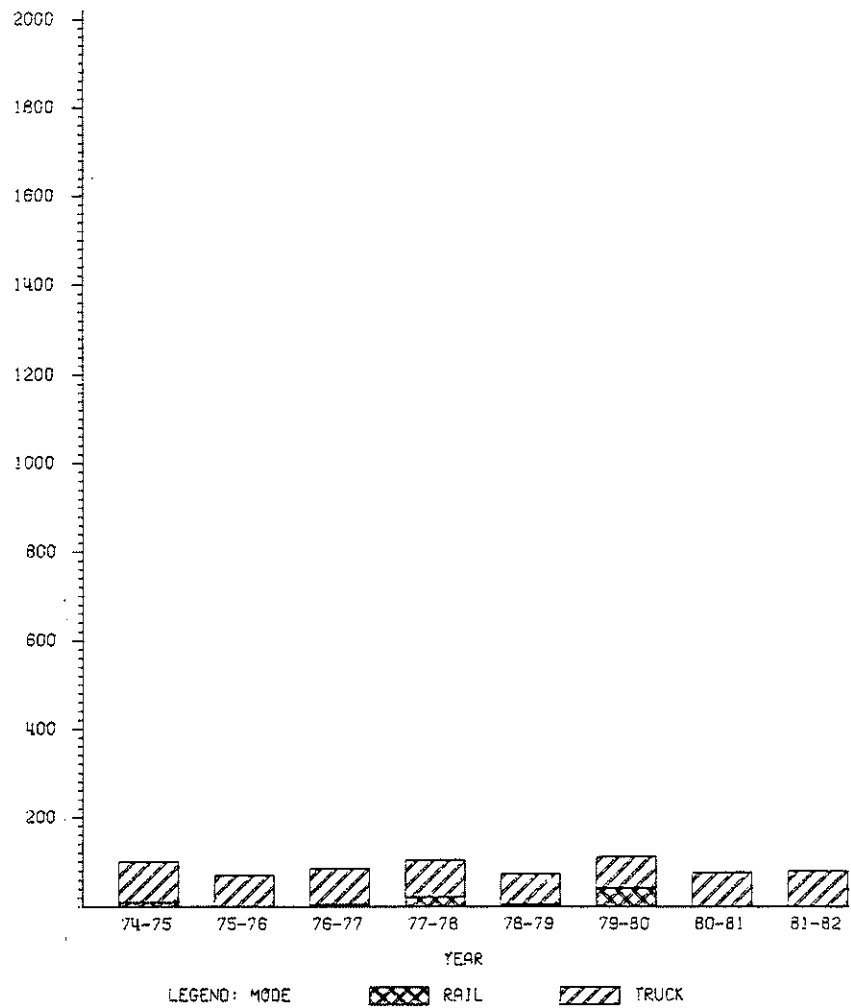


MINNEAPOLIS - ST. PAUL



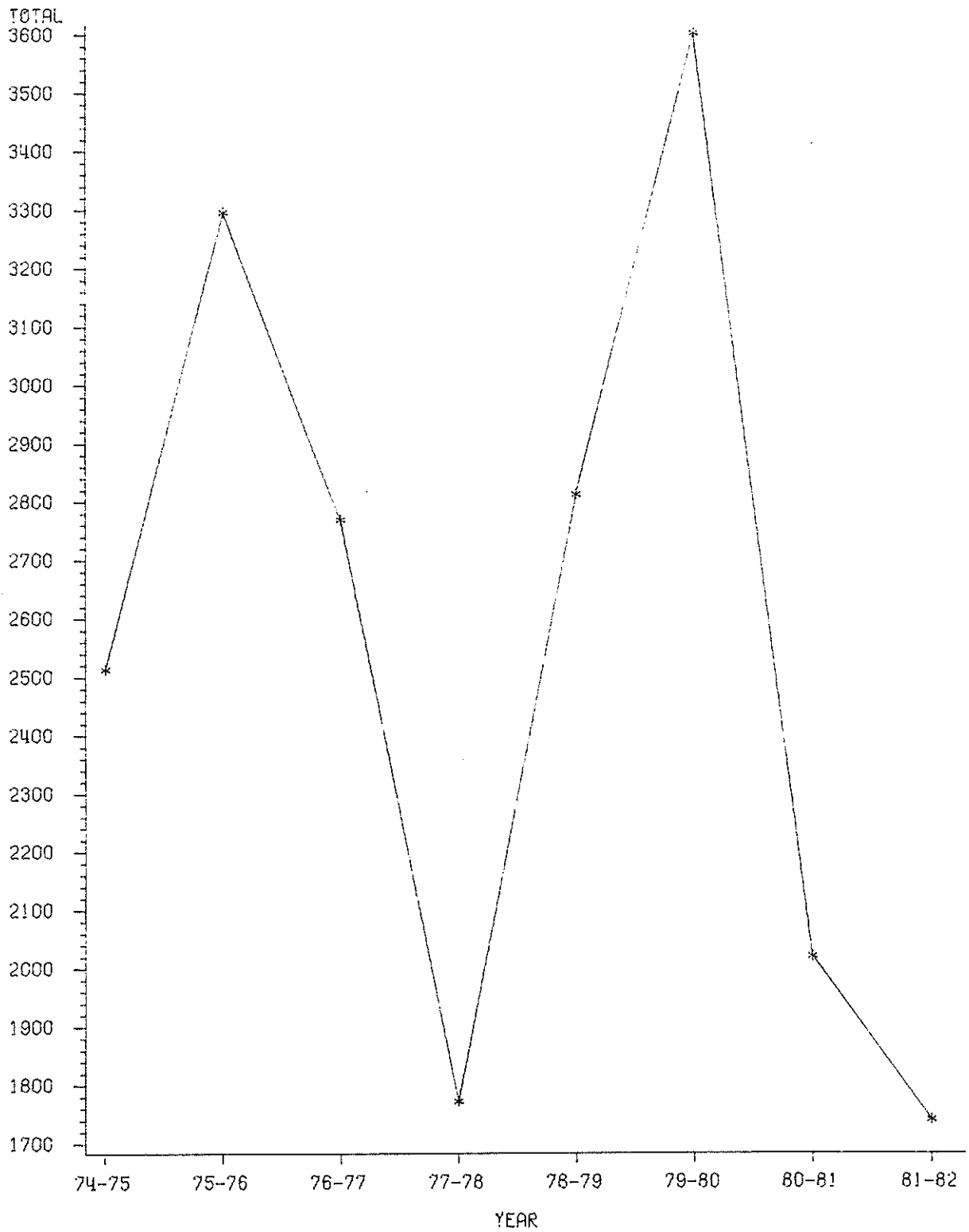
DULUTH - SUPERIOR

NORTH DAKOTA RYE SHIPMENTS, cont.



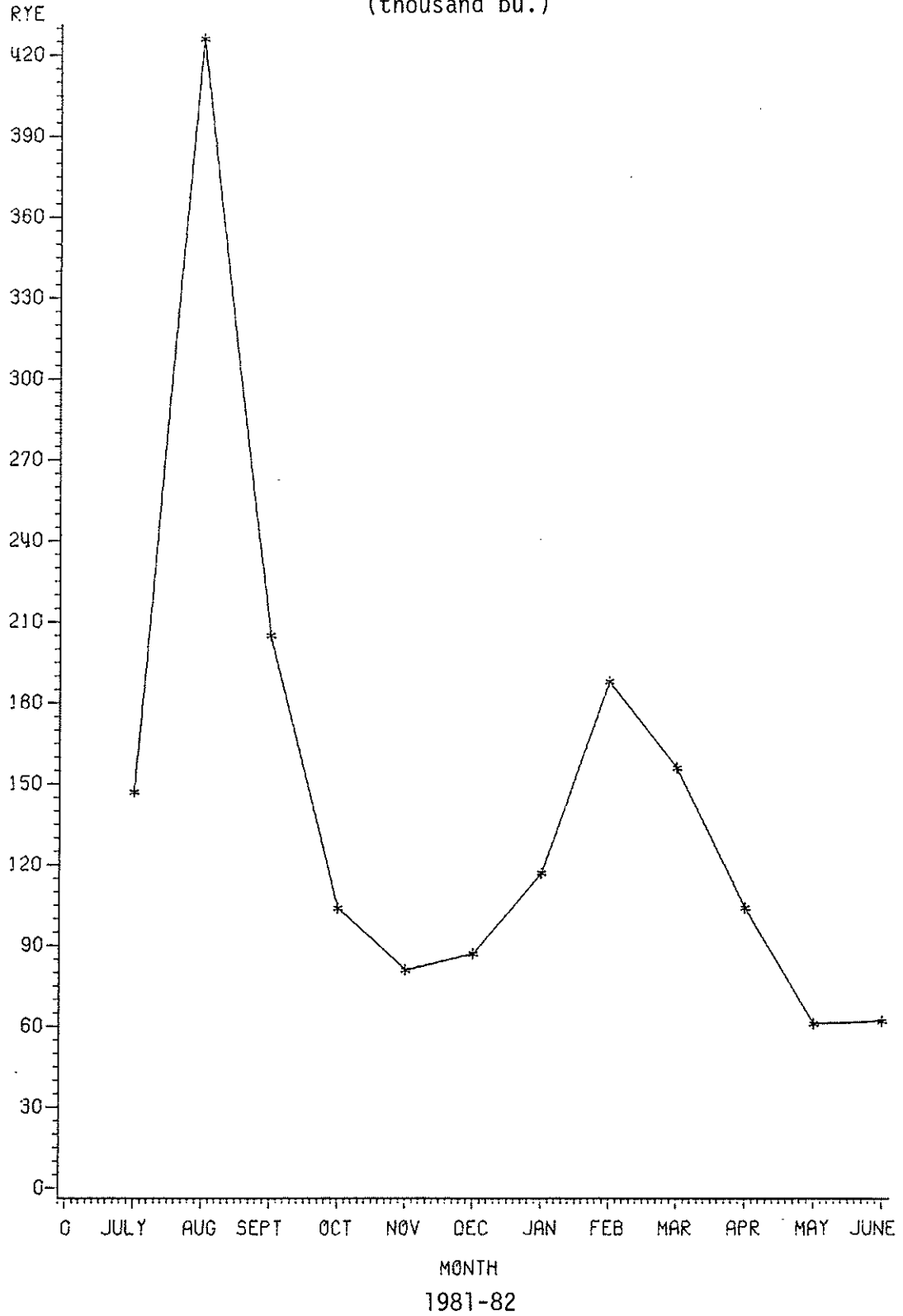
MISC. MARKETS

NORTH DAKOTA RYE SHIPMENTS

1974-75 to 1981-82
(thousand bushels)

NORTH DAKOTA RYE SHIPMENTS BY MONTH

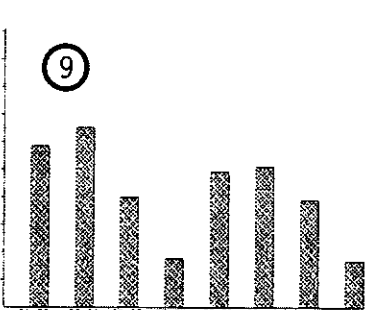
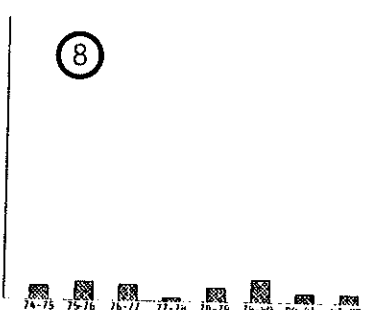
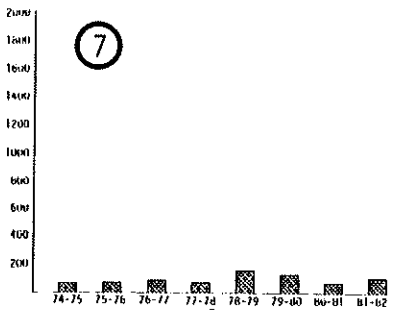
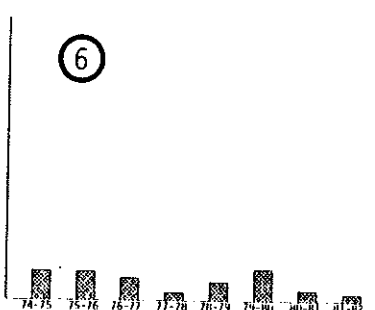
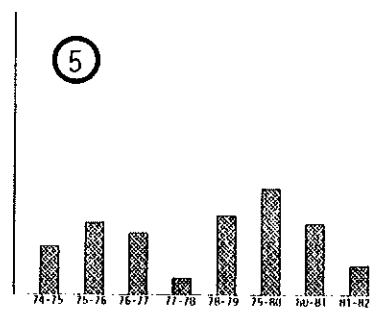
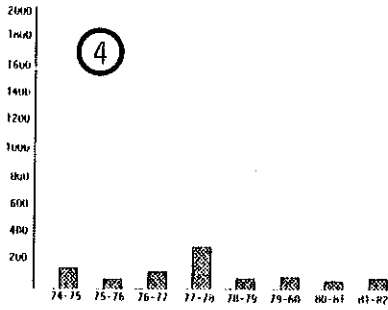
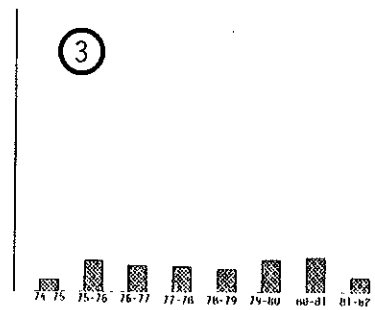
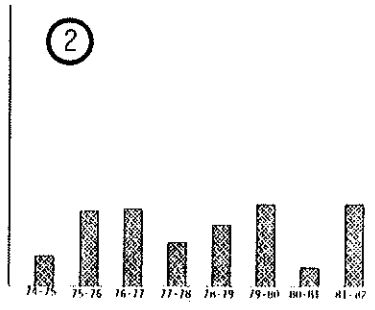
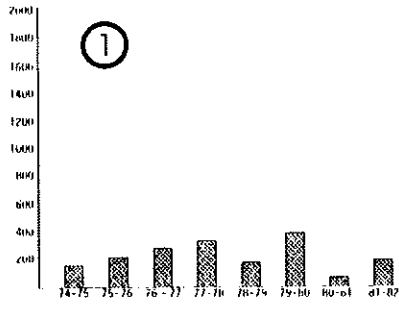
(thousand bu.)



NORTH DAKOTA RYE SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
	(thousand bu.)									
1974-75	159	221	87	147	347	209	71	103	1,170	2,514
1975-76	218	541	222	71	518	206	77	134	1,305	3,292
1976-77	285	557	189	124	444	161	93	118	799	2,770
1977-78	334	315	181	304	122	59	75	27	355	1,772
1978-79	177	442	160	75	570	136	165	104	982	2,811
1979-80	388	587	230	86	760	229	135	164	1,020	3,599
1980-81	68	134	247	61	512	76	74	67	781	2,020
1981-82	191	588	104	79	211	56	112	63	337	1,740
3 Year Average	216	436	194	75	494	120	107	98	713	2,453

NORTH DAKOTA RYE SHIPMENTS BY CRD
(thousand bu.)



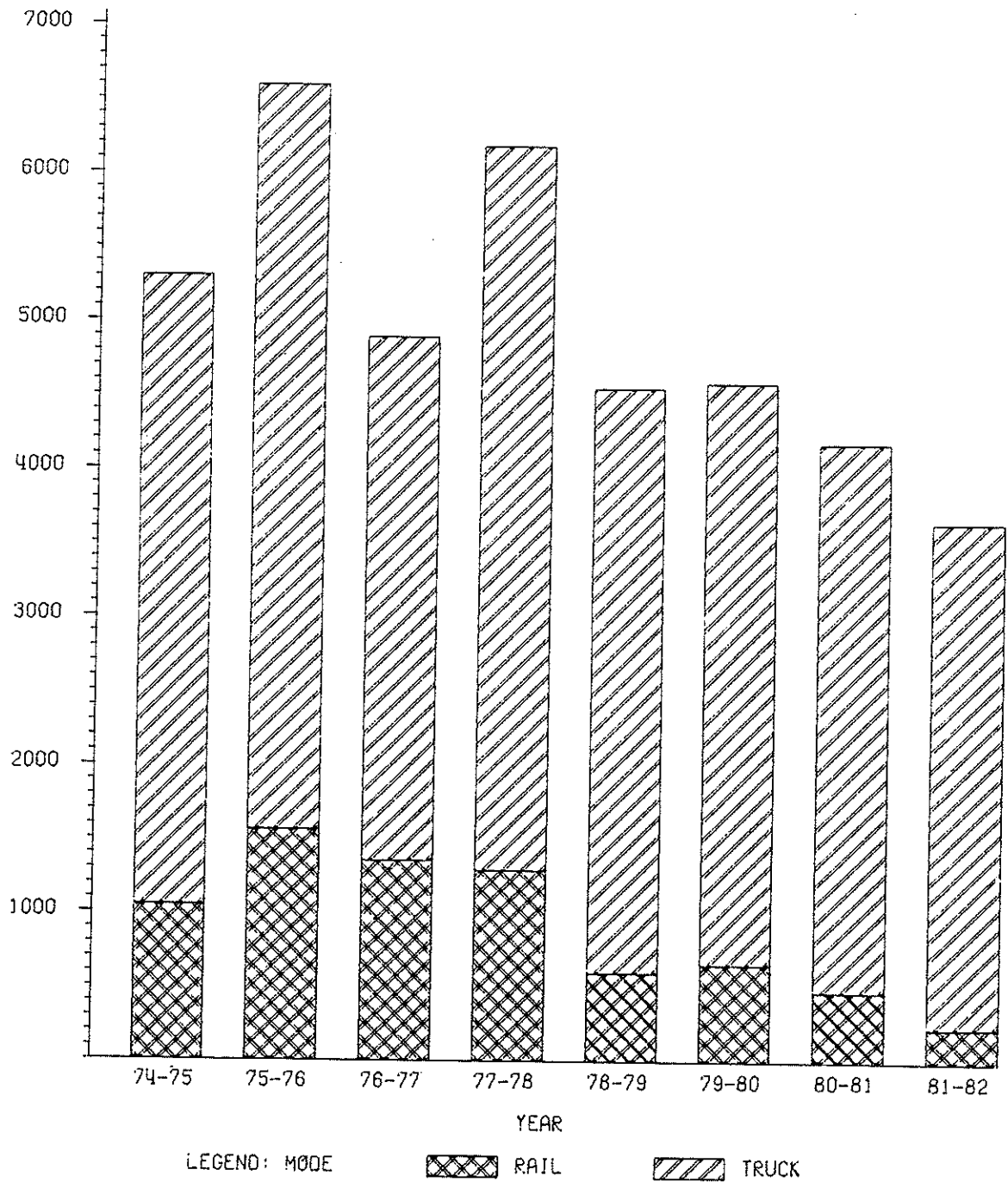
NORTH DAKOTA FLAXSEED SHIPMENTS BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bu.)				
1974-75	4,354 (82%)	346 (7%)	69 (1%)	531 (10%)	5,300 (100%)
1975-76	5,170 (78%)	855 (13%)	60 (1%)	505 (8%)	6,590 (100%)
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 (.1%)	314 (8%)	3,644 (100%)
3 Year Average	3,732 (90%)	134 (3%)	9 (.2%)	259 (6%)	4,134 (100%)

NORTH DAKOTA FLAXSEED SHIPMENTS TO ALL
DESTINATIONS BY TRUCK AND RAIL

(1974-75 to 1981-82)

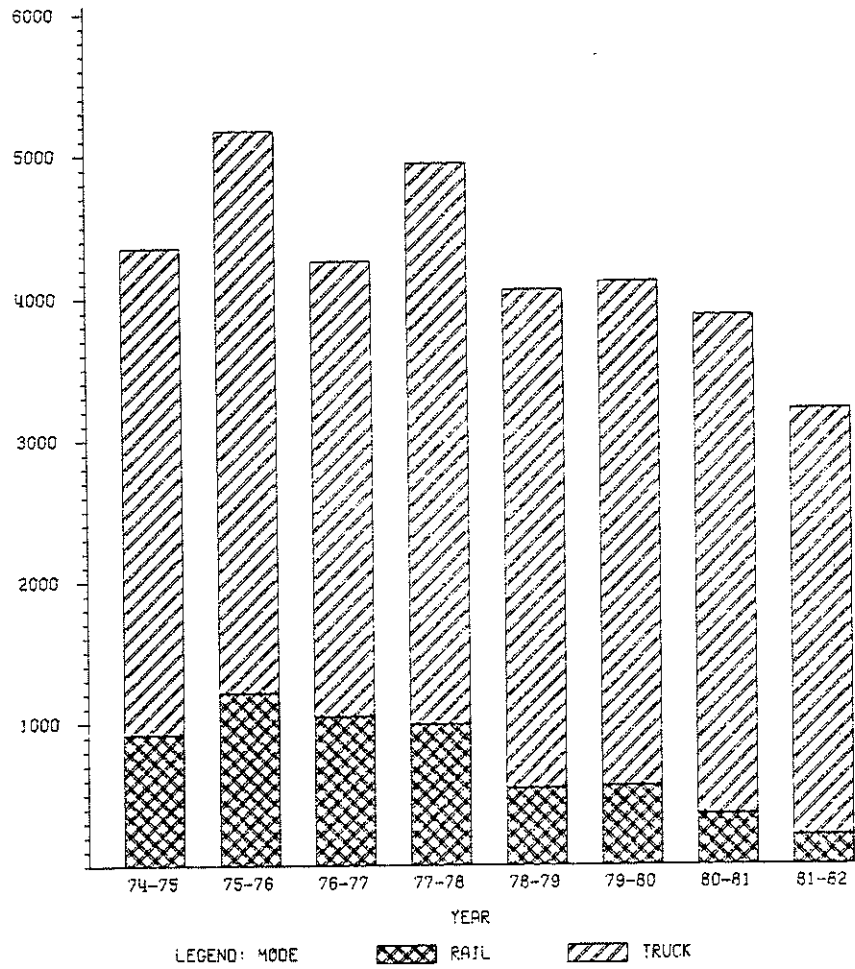
(thousand bushels)



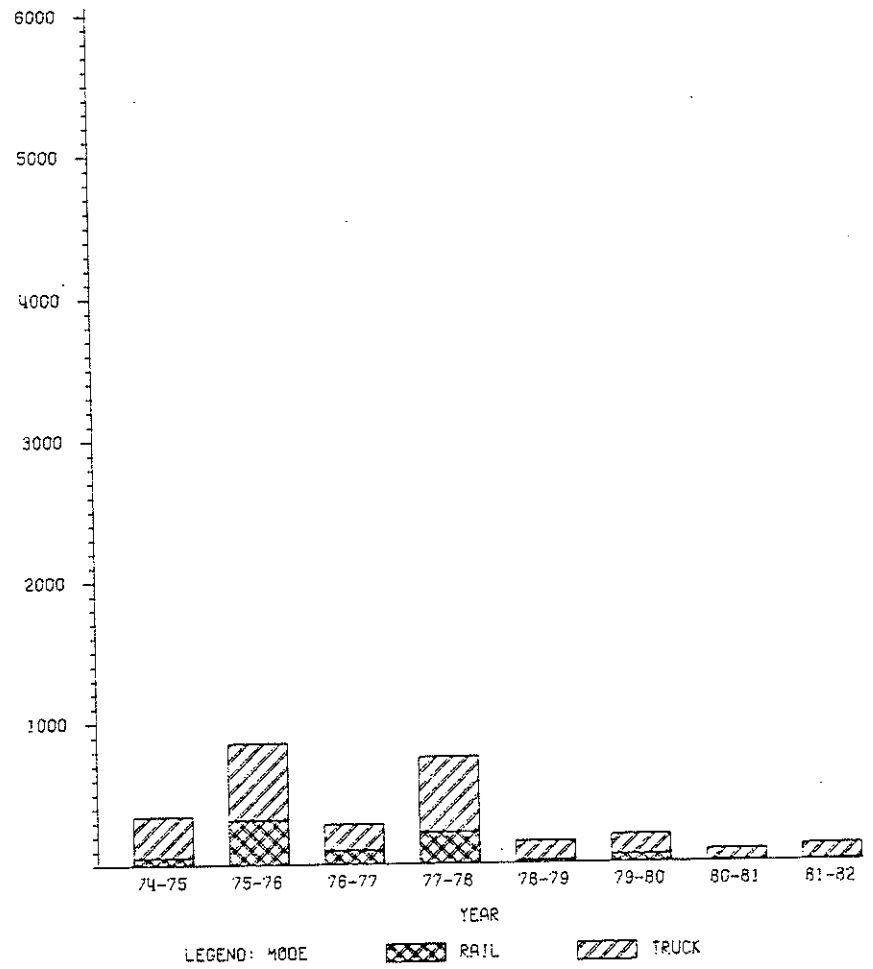
NORTH DAKOTA FLAXSEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)										
1974-75	914 (21%)	3,439 (79%)	55 (16%)	291 (84%)	0 (0%)	69 (100%)	78 (15%)	453 (85%)	1,048 (20%)	4,252 (80%)
1975-76	1,213 (23%)	3,957 (77%)	317 (37%)	538 (63%)	0 (0%)	60 (100%)	31 (6%)	474 (94%)	1,561 (24%)	5,029 (76%)
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%)
3 Year Average	372 (10%)	3,359 (90%)	23 (17%)	110 (83%)	0 (0%)	9 (100%)	53 (20%)	205 (80%)	449 (11%)	3,684 (89%)

NORTH DAKOTA FLAX SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1974-75 to 1981-82
 (thousand bushels)

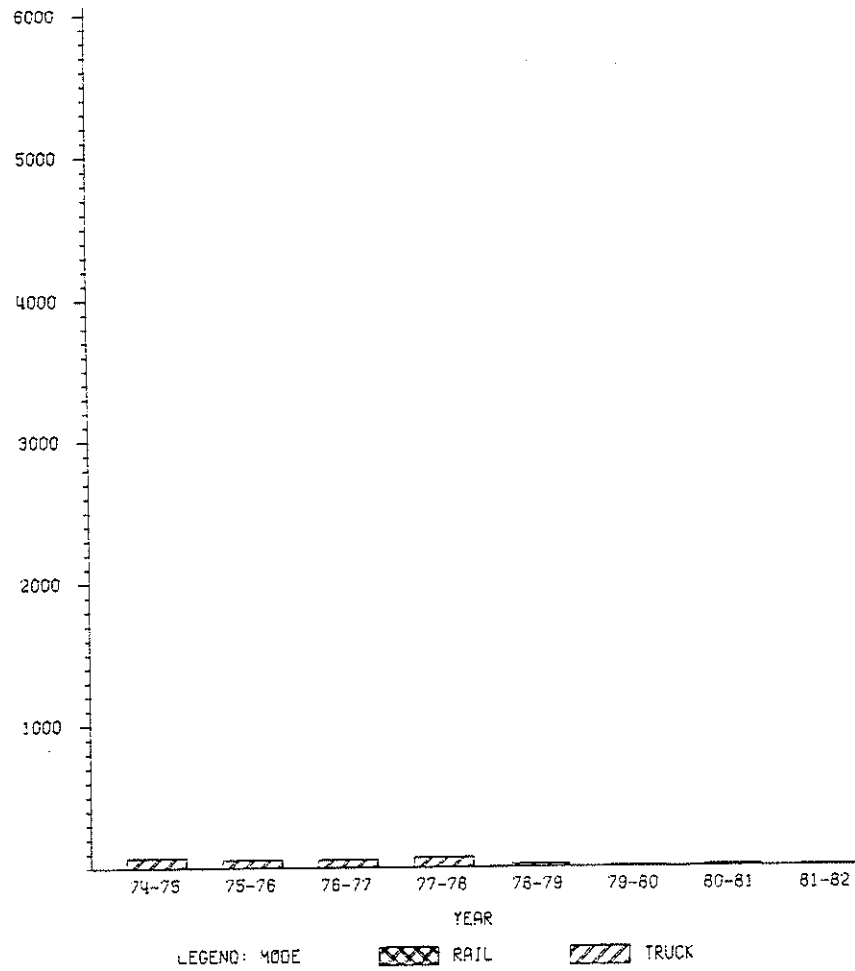


MINNEAPOLIS - ST. PAUL

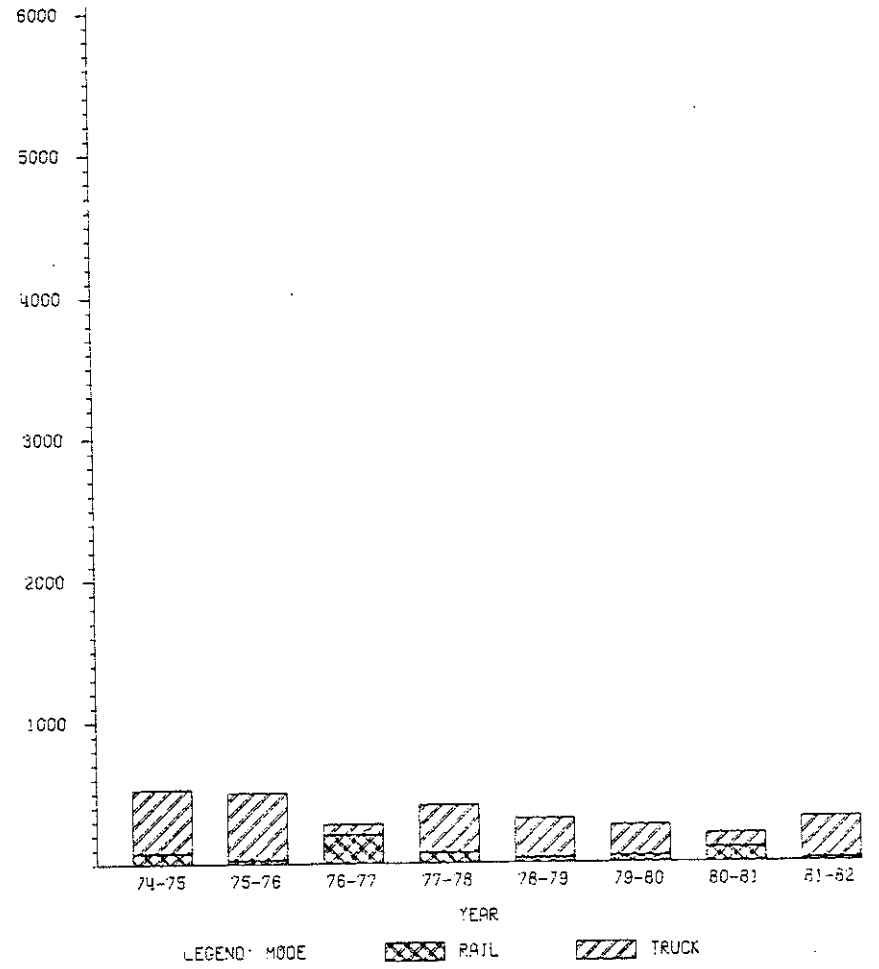


DULUTH - SUPERIOR

NORTH DAKOTA FLAX SHIPMENTS, cont.

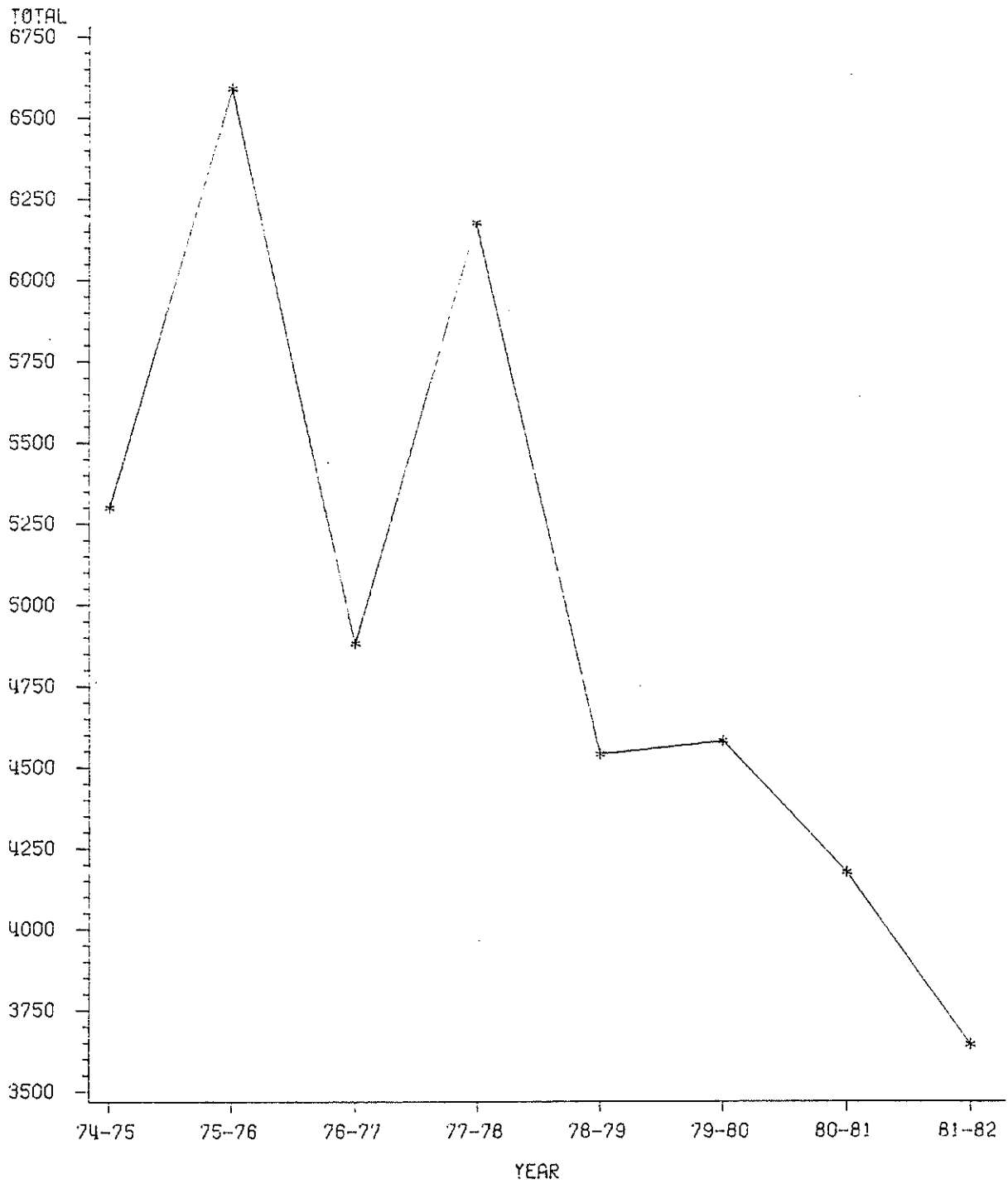


WEST



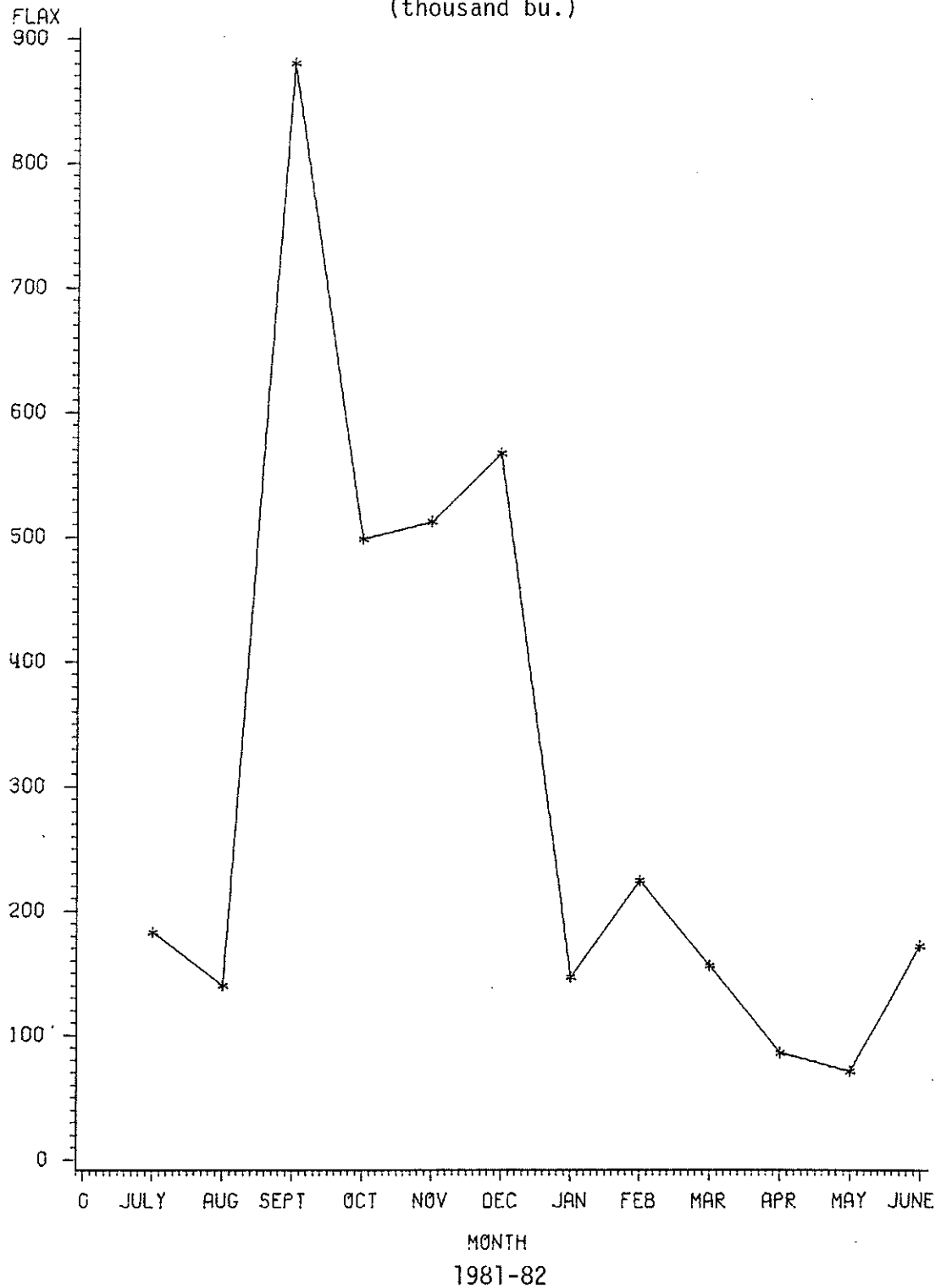
MISC. MARKETS

NORTH DAKOTA FLAXSEED SHIPMENTS
1974-75 to 1981-82
(thousand bushels)



NORTH DAKOTA FLAX SEED SHIPMENTS BY MONTH

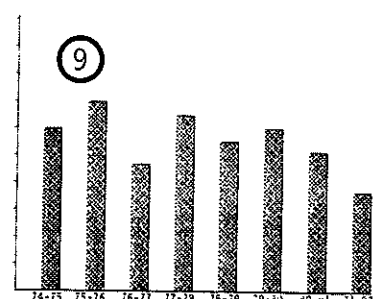
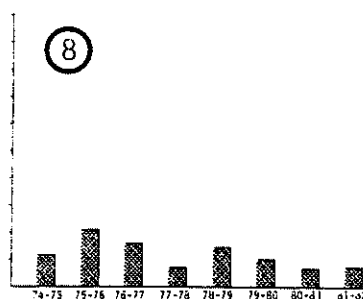
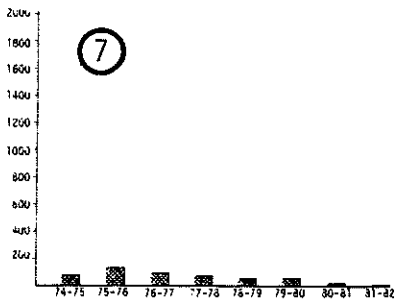
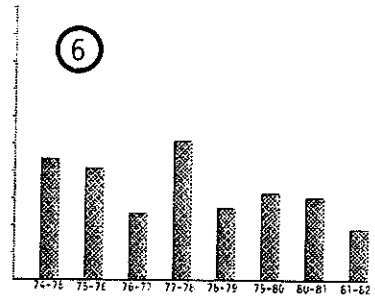
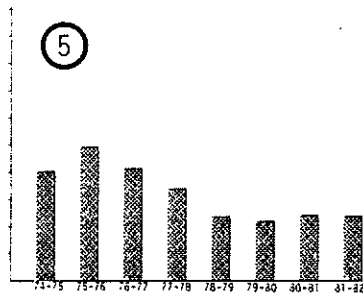
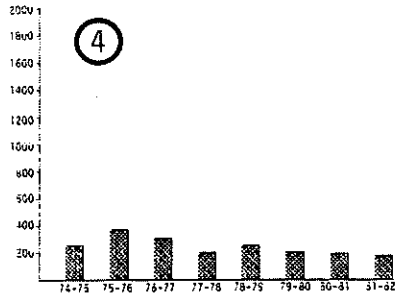
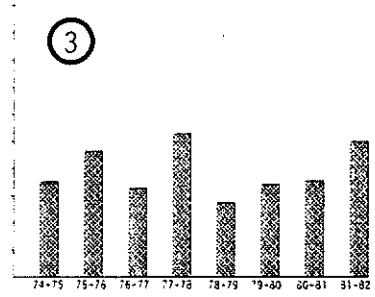
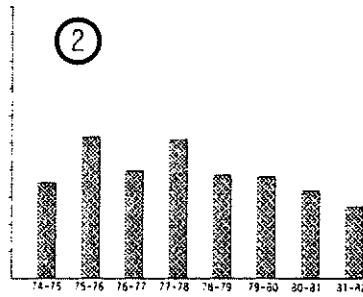
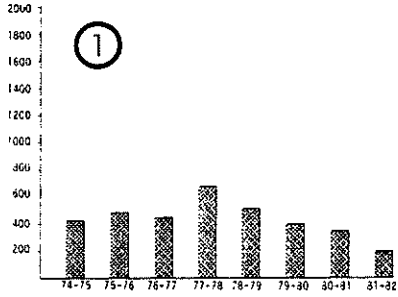
(thousand bu.)



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.)									
1974-75	426	707	703	258	806	889	78	236	1,196	5,299
1975-76	487	1,047	929	371	986	819	135	424	1,393	6,591
1976-77	450	794	656	307	829	491	98	323	935	4,883
1977-78	678	1,022	1,054	203	679	1,024	74	145	1,295	6,174
1978-79	515	765	547	254	474	533	57	295	1,102	4,542
1979-80	398	752	682	207	438	641	59	203	1,202	4,582
1980-81	348	648	707	194	481	609	22	138	1,029	4,176
1981-82	195	530	996	178	475	377	14	147	731	3,644
3 Year Average	314	643	795	193	465	542	32	163	987	4,134

NORTH DAKOTA FLAXSEED SHIPMENTS BY CRD
(thousand bu.)

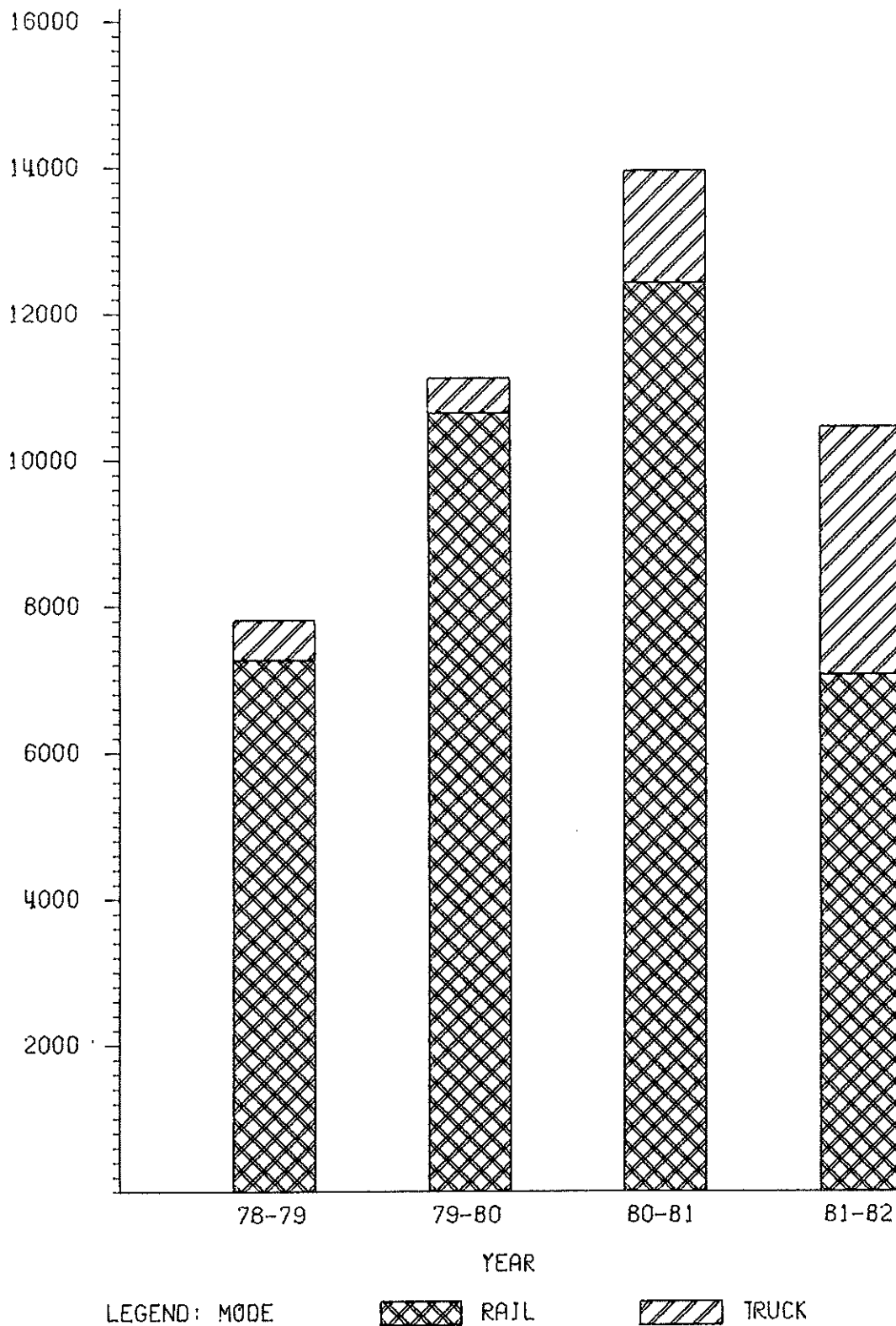


NORTH DAKOTA CORN SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
	(thousand bushels)				
1974-75 ^a	0	0	0	0	0
1975-76 ^a	0	0	0	0	0
1976-77 ^a	0	0	0	0	0
1977-78 ^a	0	0	0	0	0
1978-79	157 (2%)	262 (3%)	3,373 (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%)
3 Year Average	395 (3%)	209 (2%)	9,486 (80%)	1,752 (15%)	11,842 (100%)

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

NORTH DAKOTA CORN SHIPMENTS TO ALL DESTINATIONS BY TRUCK AND RAIL
1978-79 to 1981-82
(thousand bushels)

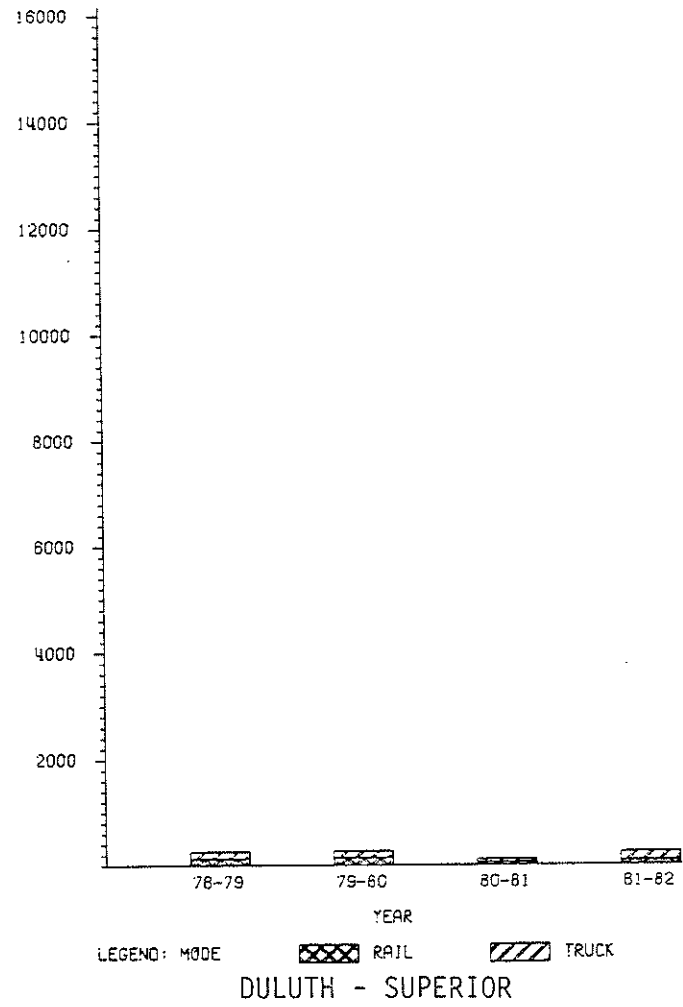
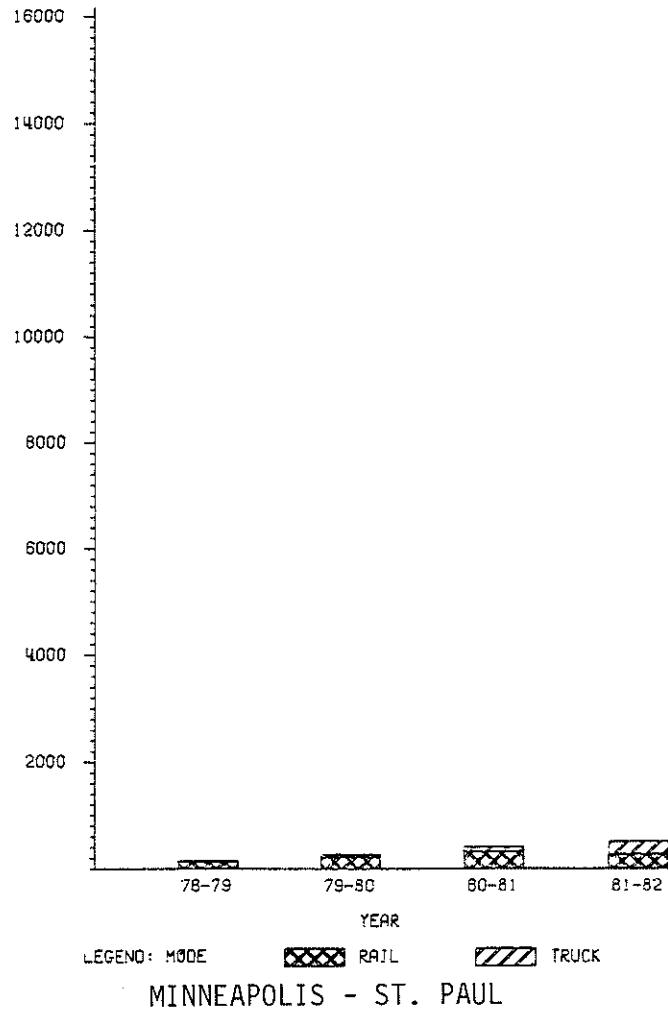


NORTH DAKOTA CORN SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

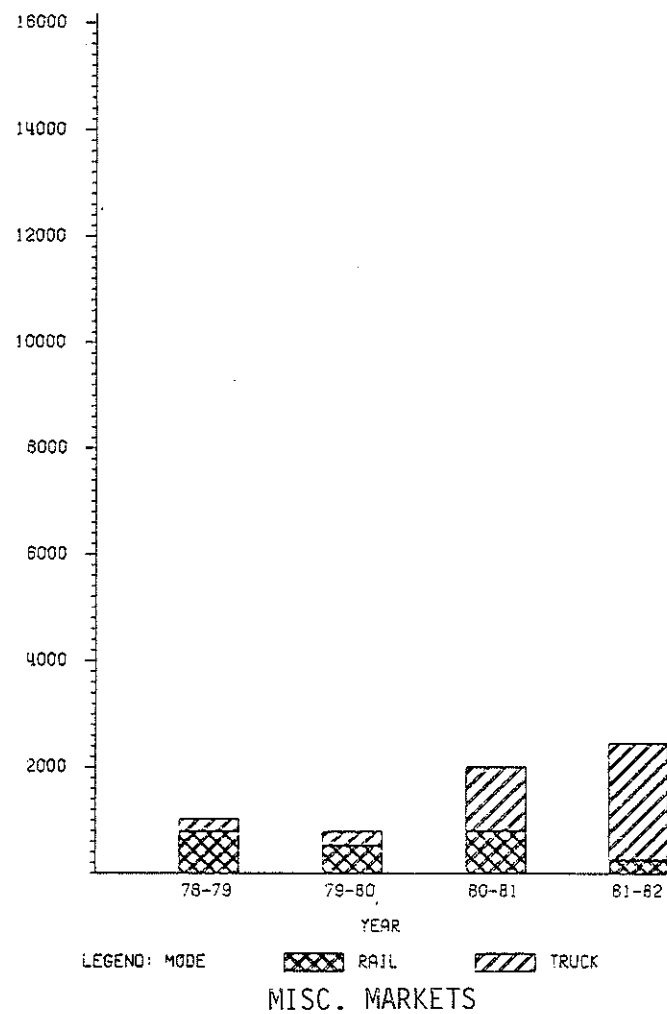
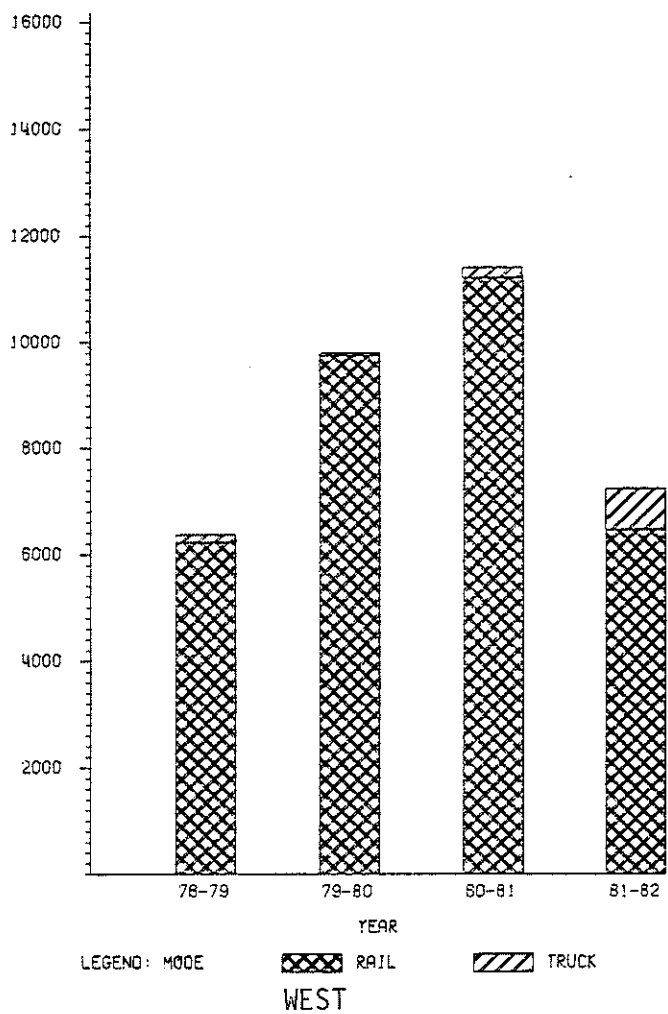
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)									
1974-75 ^a	0	0	0	0	0	0	0	0	0	0
1975-76 ^a	0	0	0	0	0	0	0	0	0	0
1976-77 ^a	0	0	0	0	0	0	0	0	0	0
1977-78 ^a	0	0	0	0	0	0	0	0	0	0
1978-79	132 (84%)	25 (16%)	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%)
3 Year Average	274 (69%)	121 (31%)	95 (45%)	114 (55%)	9,146 (96%)	340 (4%)	532 (30%)	1,220 (70%)	10,046 (85%)	1,796 (15%)

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

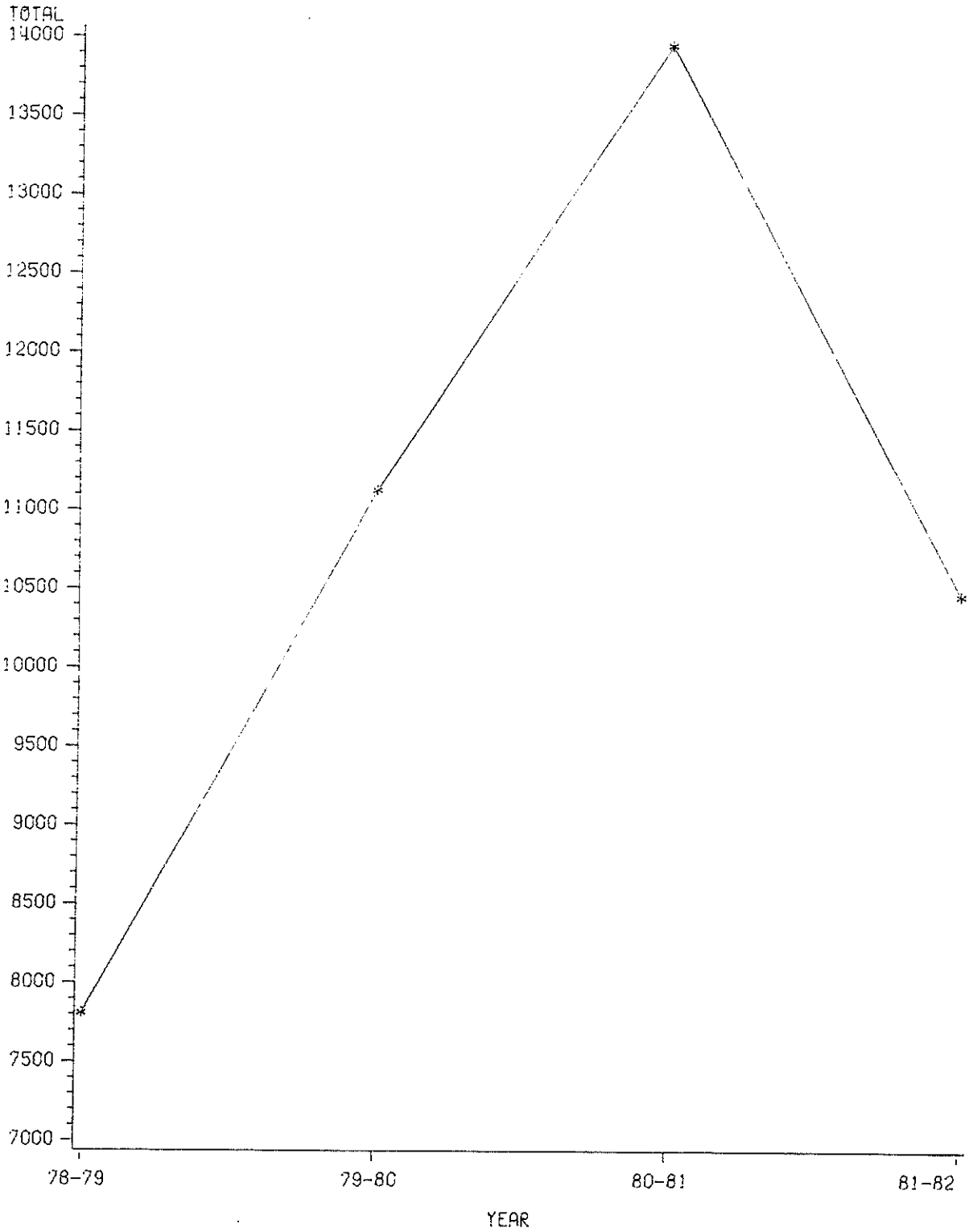
NORTH DAKOTA CORN SHIPMENTS
 BY RAIL AND TRUCK AND DESTINATION
 1978-79 to 1981-82
 (thousand bushels)



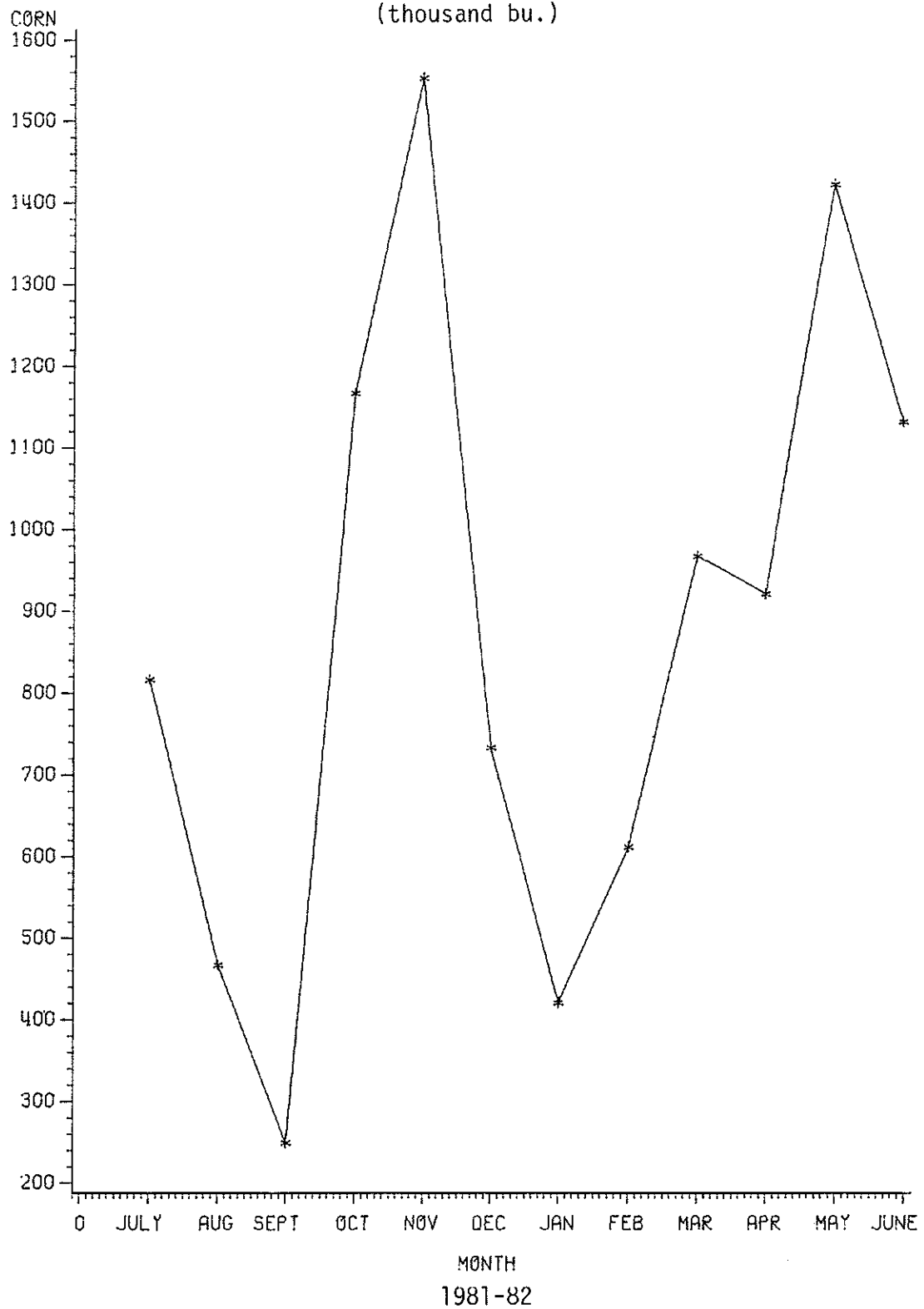
NORTH DAKOTA CORN SHIPMENTS, cont.



NORTH DAKOTA CORN SHIPMENTS
1978-79 to 1981-82
(thousand bushels)



NORTH DAKOTA CORN SHIPMENTS BY MONTH



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.)									
1974-75 ^a	0	0	0	0	0	0	0	0	0	0
1975-76 ^a	0	0	0	0	0	0	0	0	0	0
1976-77 ^a	0	0	0	0	0	0	0	0	0	0
1977-78 ^a	0	0	0	0	0	0	0	0	0	0
1978-79	0	0	424	0	64	1,388	0	3	5,929	7,808
1979-80	0	0	384	0	53	2,527	0	0	8,159	11,123
1980-81	2	0	382	0	88	2,329	0	0	11,141	13,942
1981-82	0	0	769	3	35	1,982	0	0	7,671	10,460
3 Year Average	1	0	512	1	59	2,279	0	0	8,990	11,842

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