

**NORTH DAKOTA GRAIN AND OILSEED
TRANSPORTATION STATISTICS
1980-81**

By

**Gene C. Griffin
Director**

**UGPTI Report No. 42
March 1982**

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in cooperation with

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

and

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

MARCH 1982

PREFACE

The 1980-81 North Dakota Grain and Oilseed Transportation Statistics Report was prepared by 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 oilseed 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
1980-81

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 are 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.

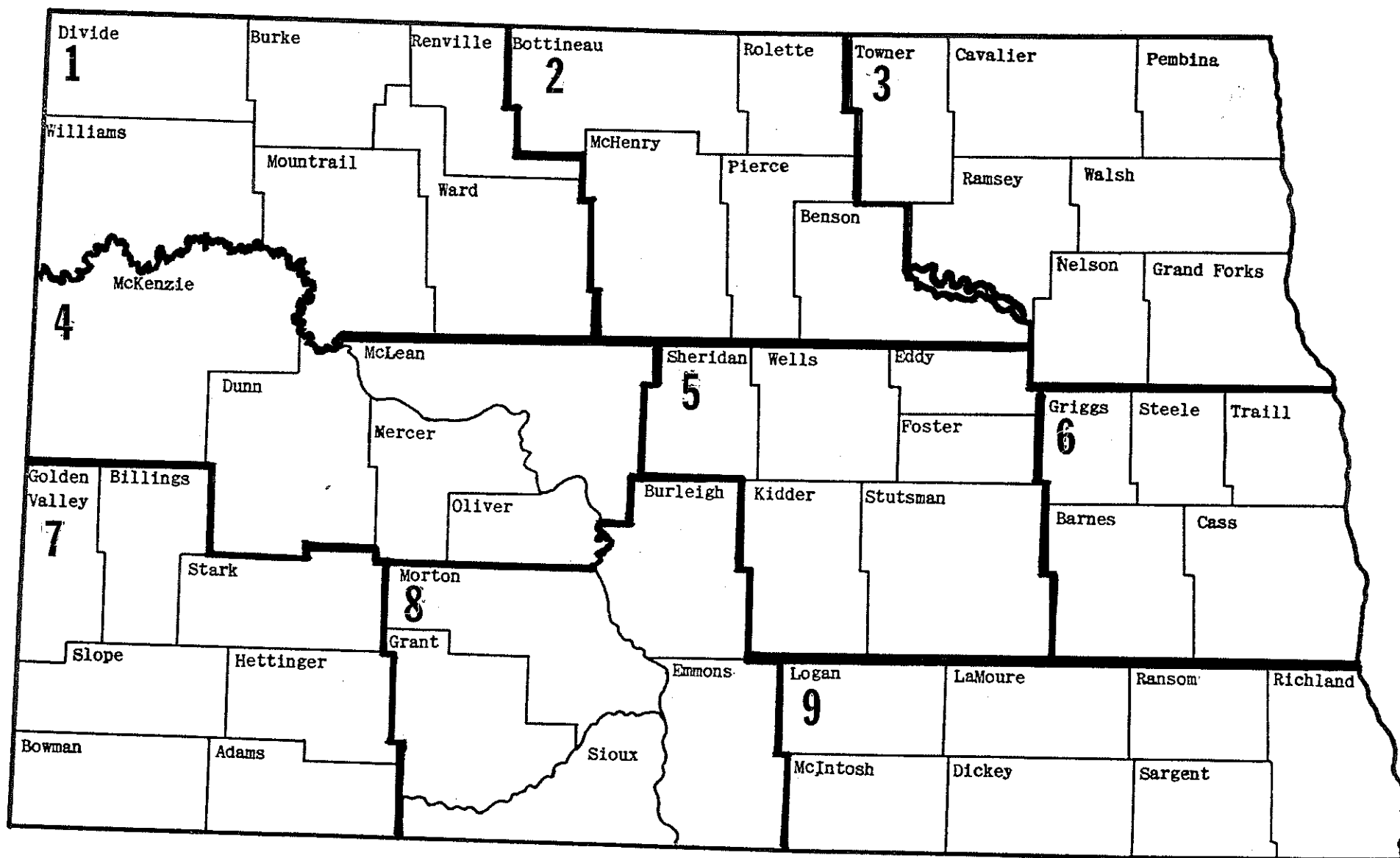
Origin of shipment: The nine crop reporting districts in North Dakota (Figure 1).

Time of shipment: By month, from July, 1980 to June, 1981.

Commodity shipped: Hard red spring wheat, durum, barley, sunflowers, oats, rye, flax and corn.

Source of Data

The data used to analyze the North Dakota grain distribution pattern for the period July, 1980 through June, 1981, 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.



NORTH DAKOTA CROP REPORTING DISTRICTS AND COUNTIES

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, each type of grain, hard red spring wheat, durum, barley, sunflowers, oats, rye, flax and corn, has its own major section. The sections are presented in the order just indicated.

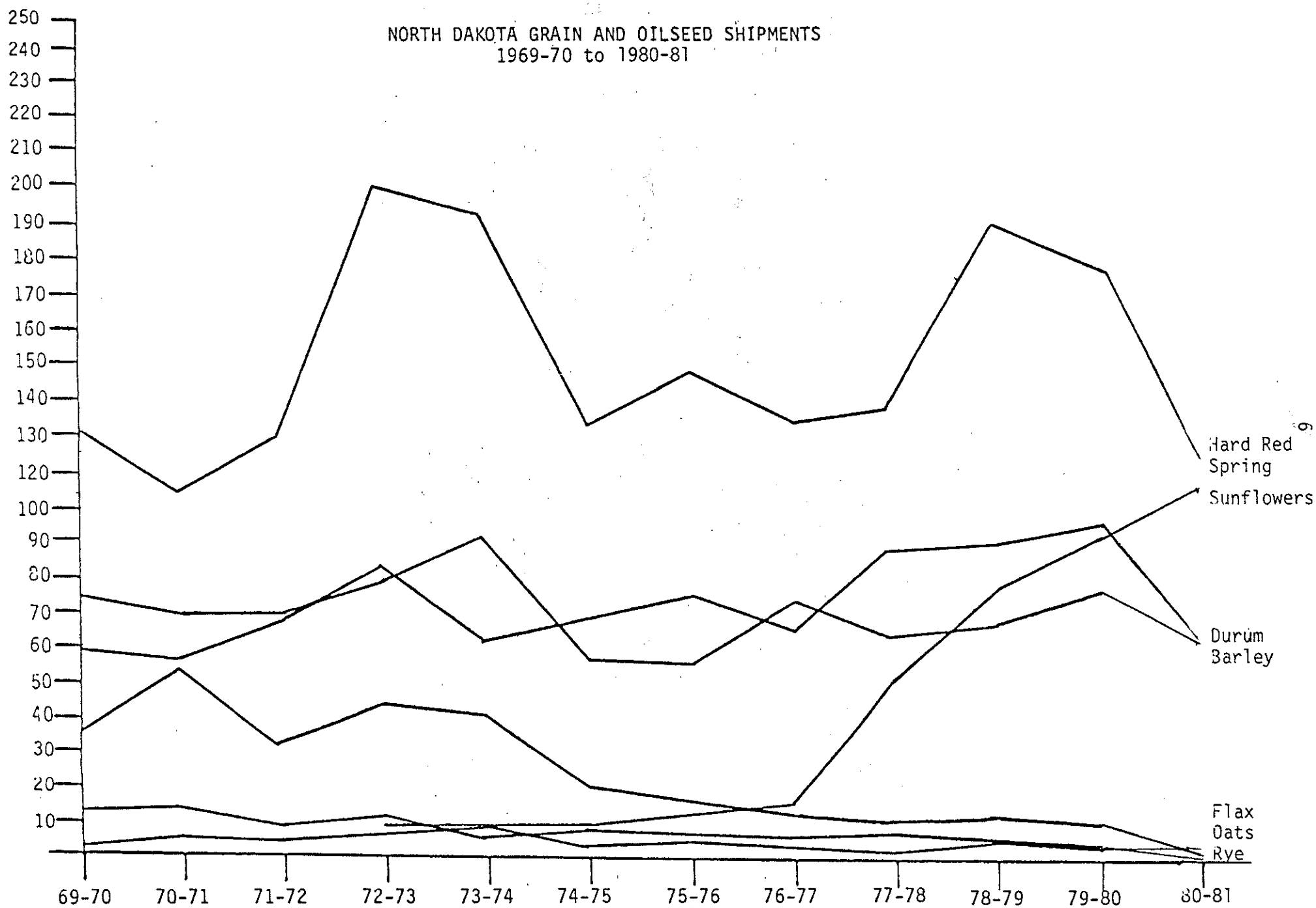
GRAIN AND OILSEED MOVEMENTS

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS^a
1969-70 to 1980-81

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

^aIncludes CCC shipments

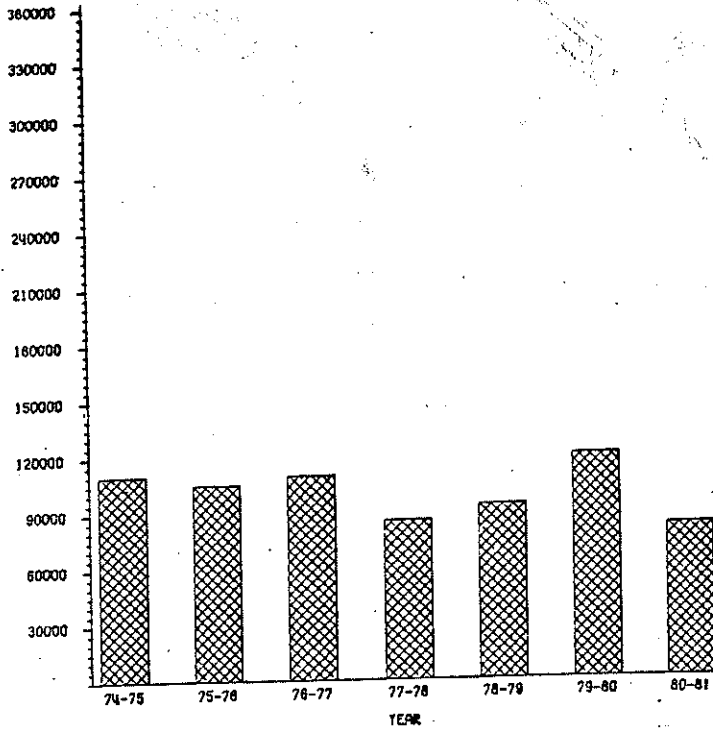
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS 1969-70 to 1980-81



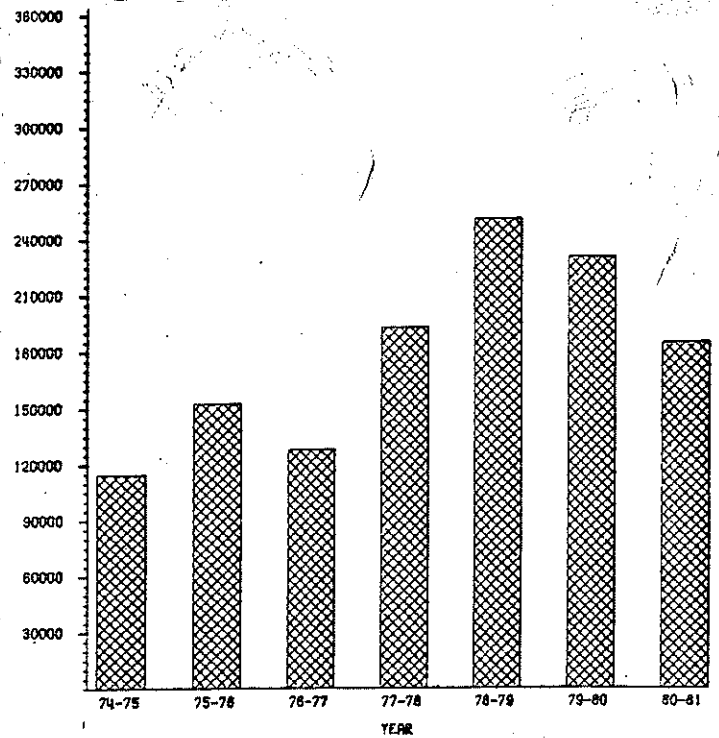
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY DESTINATION

DESTINATION	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
	(thousand bu.)						
MINNEAPOLIS-ST. PAUL	110,117 (38%)	104,900 (33%)	109,620 (36%)	85,231 (24%)	93,353 (20%)	119,711 (25%)	81,487 (20%)
DULUTH-SUPERIOR	114,602 (39%)	152,514 (48%)	128,044 (42%)	192,925 (54%)	250,653 (55%)	230,544 (48%)	184,825 (46%)
WEST	25,433 (9%)	22,031 (7%)	20,823 (7%)	29,031 (8%)	46,413 (10%)	46,954 (10%)	39,975 (10%)
MISCELLANEOUS MARKETS	41,428 (14%)	40,840 (13%)	47,425 (16%)	51,417 (14%)	65,814 (14%)	78,856 (17%)	94,798 (24%)
TOTAL	291,580 (100%)	320,285 (100%)	305,912 (100%)	358,604 (100%)	456,233 (100%)	476,065 (100%)	401,085 (100%)

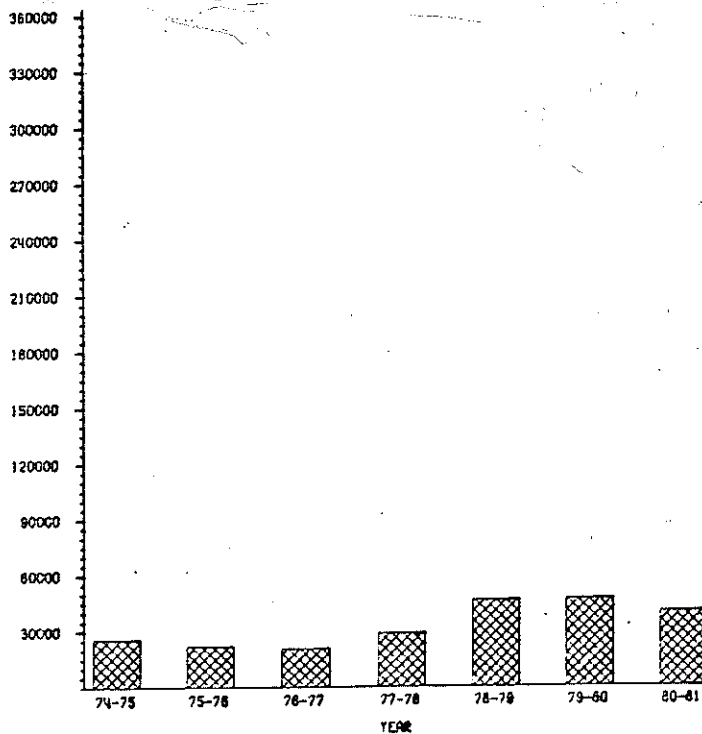
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY DESTINATION
1974-75 to 1980-81
(thousand bu.)



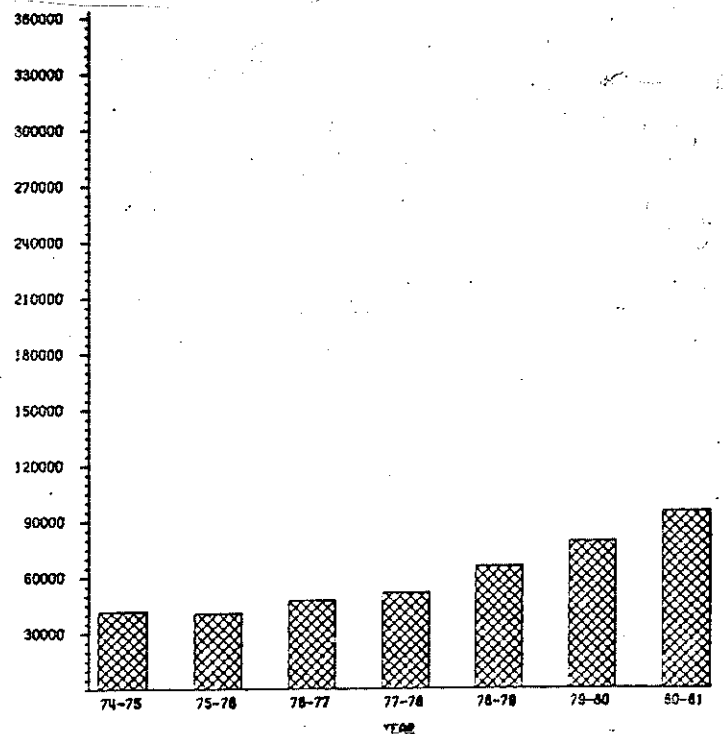
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

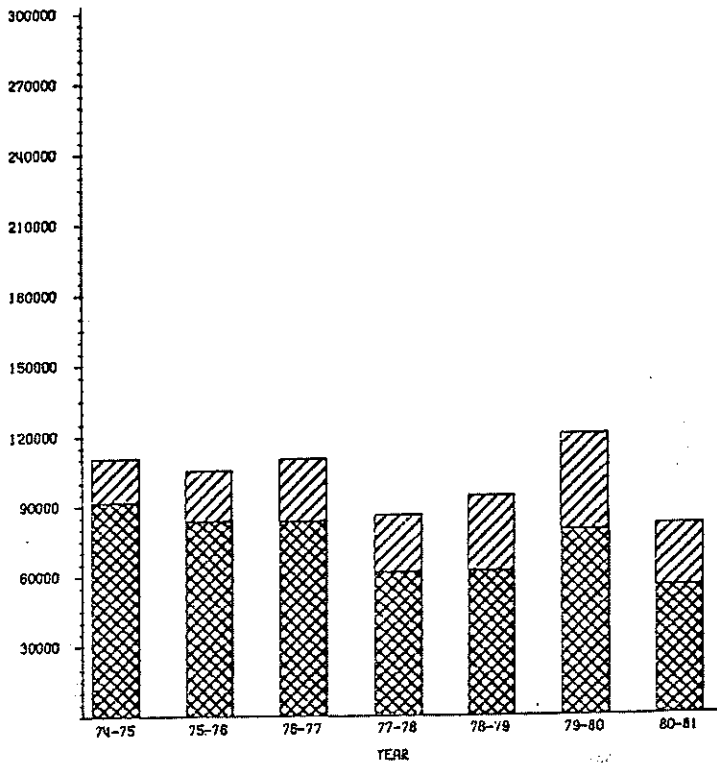


MISC. MARKETS

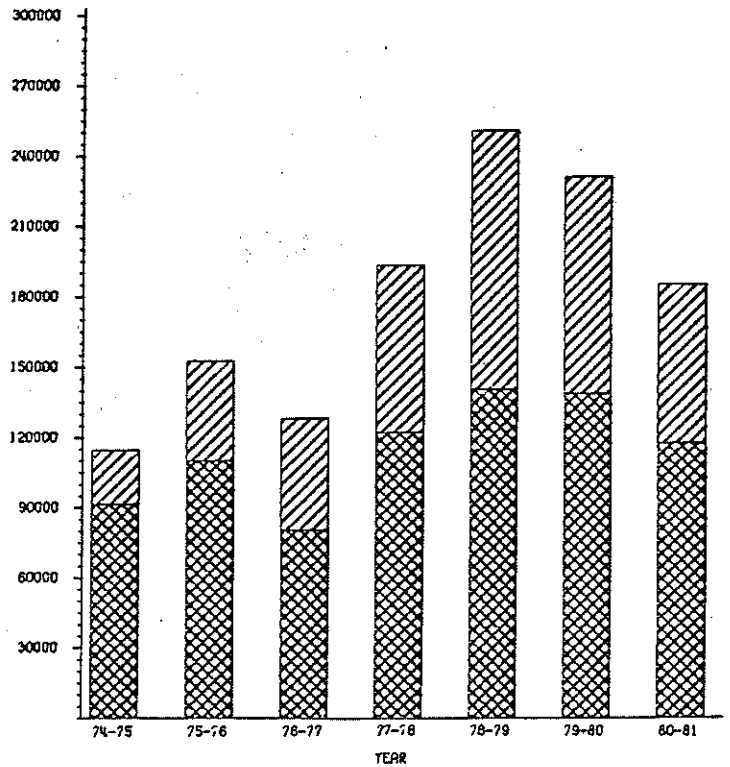
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

DESTINATION	1974-75		1975-76		1976-77		1977-78		1978-79		1979-80		1980-81	
	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK
	(thousand bu.)													
MINN.-ST. PAUL	91,477 (83%)	18,641 (17%)	83,290 (79%)	21,610 (21%)	82,764 (76%)	26,856 (24%)	60,859 (71%)	24,372 (29%)	61,186 (66%)	32,168 (34%)	79,040 (60%)	40,672 (40%)	54,815 (67%)	26,672 (33%)
DULUTH-SUPERIOR	91,417 (78%)	23,185 (22%)	110,012 (72%)	42,502 (28%)	80,207 (63%)	47,837 (37%)	121,899 (63%)	71,025 (37%)	140,112 (56%)	110,541 (44%)	138,313 (66%)	92,225 (34%)	117,168 (63%)	67,657 (37%)
WEST	18,310 (72%)	7,122 (28%)	15,376 (70%)	6,654 (30%)	11,703 (56%)	9,120 (44%)	19,386 (67%)	9,645 (33%)	33,461 (72%)	12,952 (28%)	31,878 (68%)	15,076 (32%)	25,549 (64%)	14,426 (36%)
MISC. MARKETS	28,448 (84%)	12,980 (16%)	27,813 (68%)	13,027 (32%)	30,455 (64%)	16,970 (36%)	33,034 (64%)	18,384 (36%)	36,310 (55%)	29,504 (45%)	45,106 (57%)	33,750 (43%)	54,406 (57%)	40,392 (43%)
TOTAL	229,653 (79%)	61,929 (21%)	236,491 (74%)	83,793 (26%)	205,129 (67%)	100,783 (33%)	235,178 (66%)	123,426 (34%)	271,069 (59%)	185,165 (41%)	294,342 (62%)	181,724 (38%)	251,938 (63%)	149,147 (37%)

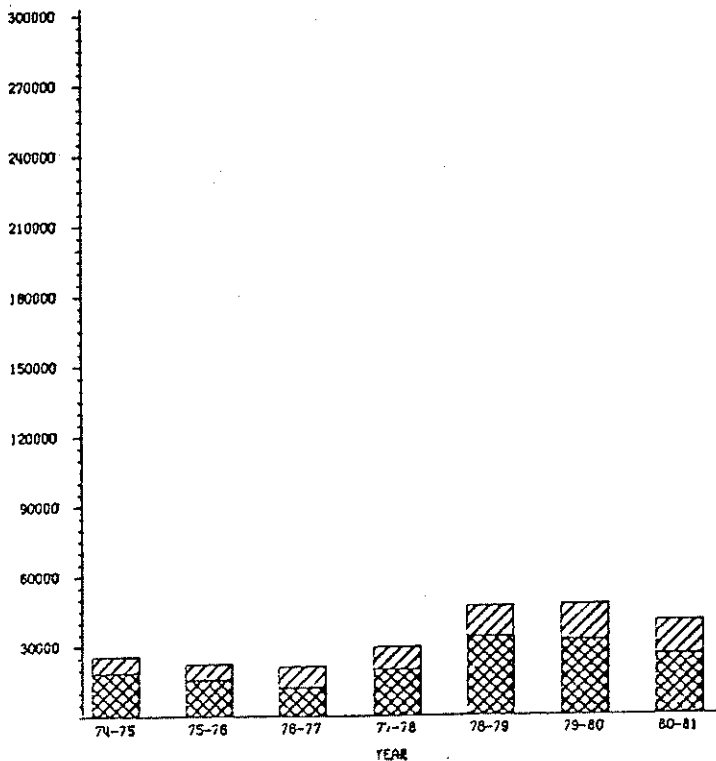
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION
(thousand bu.)



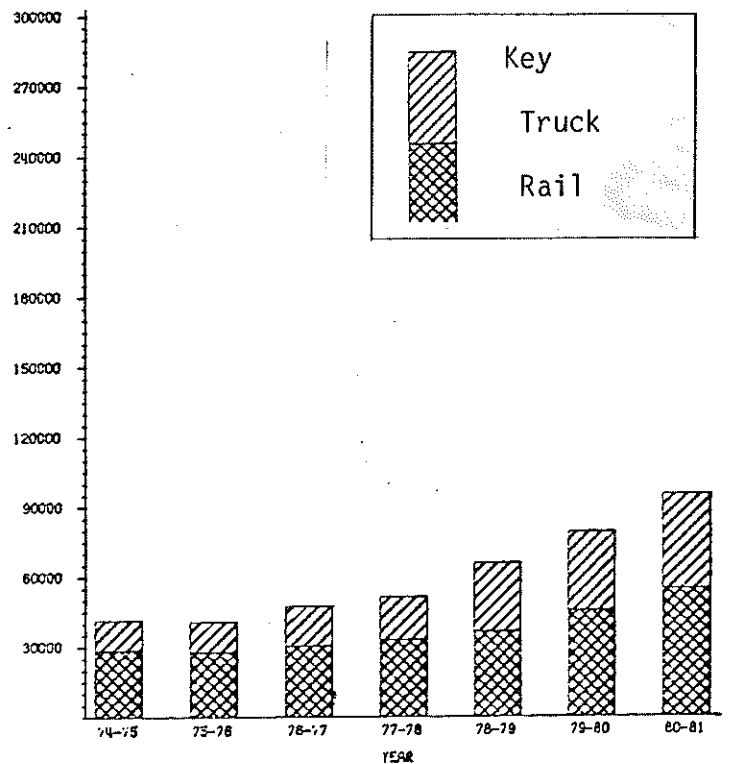
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST



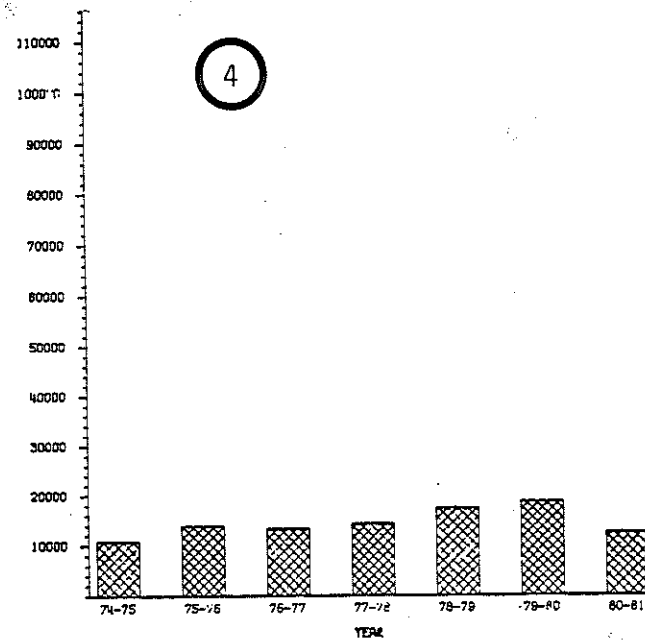
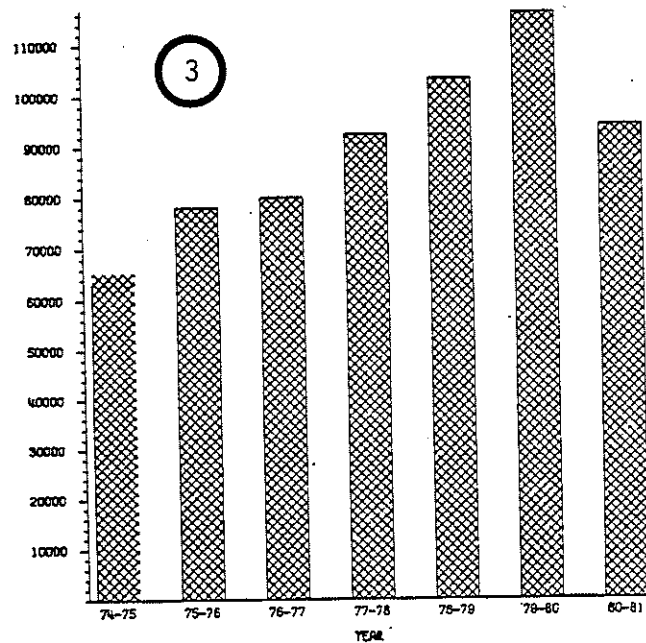
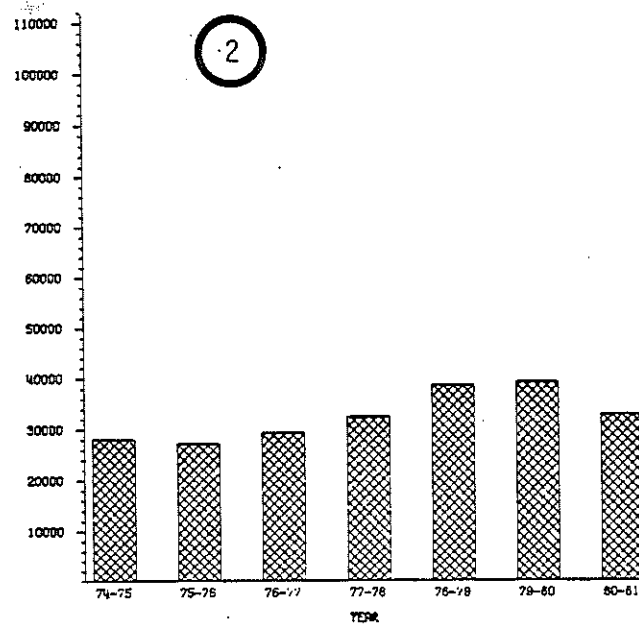
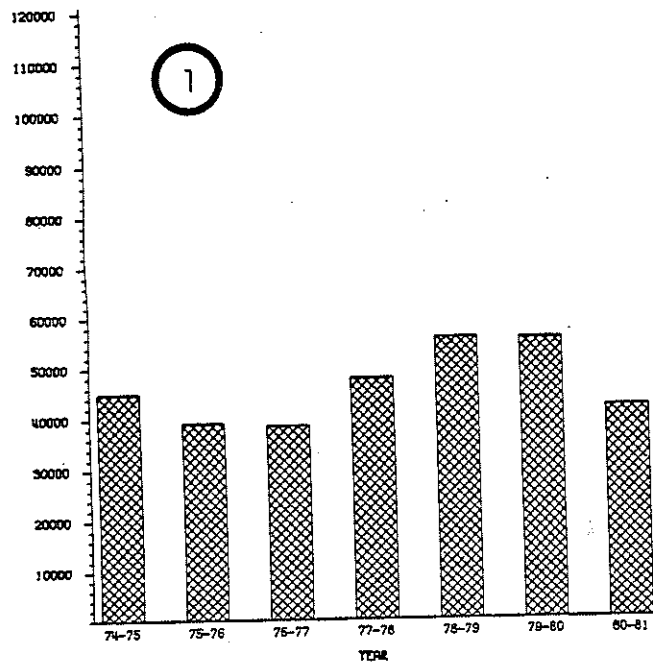
MISC. MARKETS

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

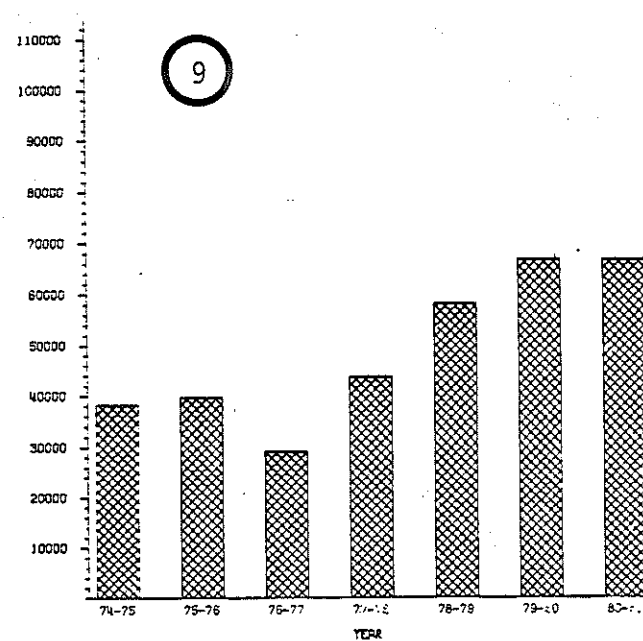
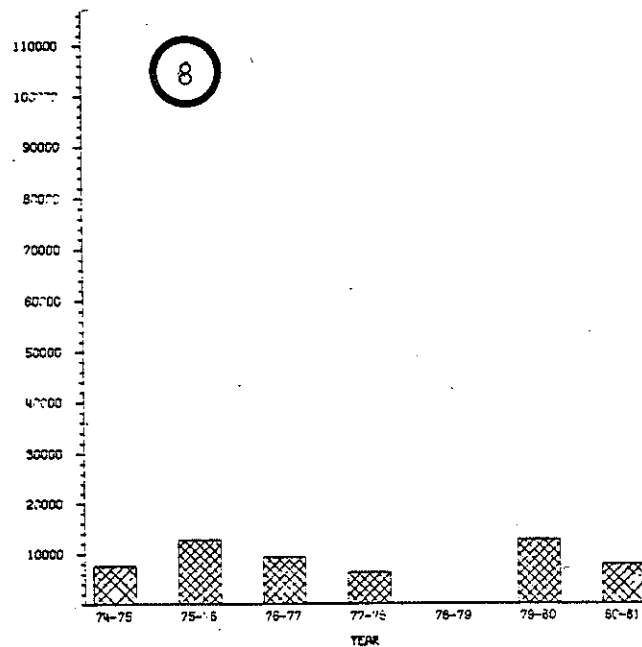
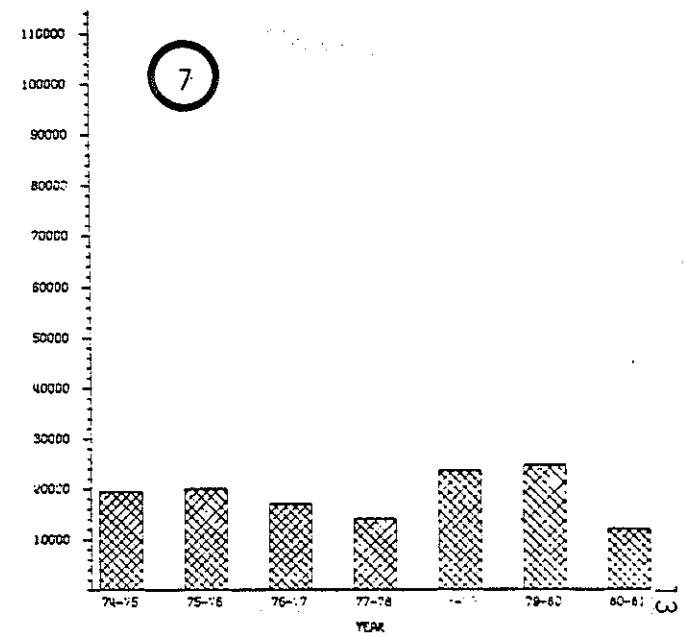
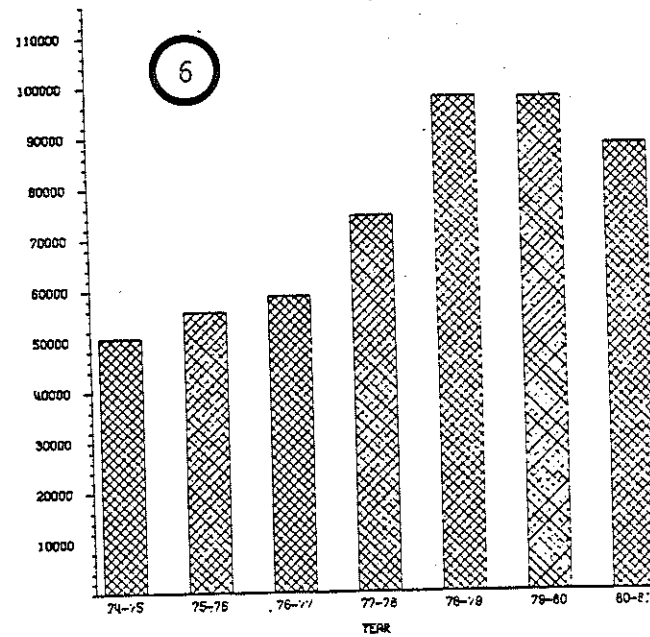
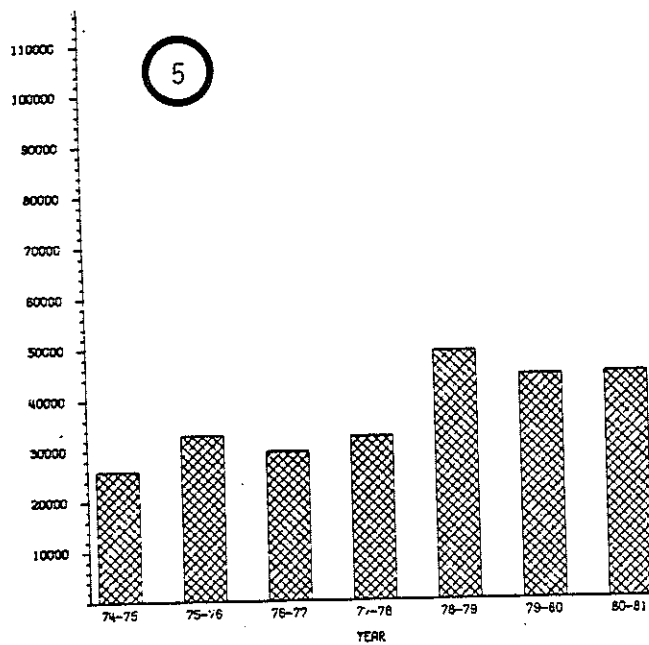
CROP REPORTING DISTRICT	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
(thousand bu.)							
1	44,971 (15%)	39,254 (12%)	38,628 (13%)	47,881 (13%)	55,802 (12%)	55,571 (12%)	41,942 (10%)
2	28,141 (10%)	27,362 (9%)	29,421 (10%)	32,552 (9%)	38,668 (8%)	39,278 (8%)	32,879 (8%)
3	65,398 (22%)	78,193 (24%)	80,085 (26%)	92,607 (26%)	103,393 (23%)	116,150 (24%)	94,203 (24%)
4	10,852 (4%)	13,941 (4%)	13,315 (4%)	14,323 (4%)	17,394 (4%)	18,722 (4%)	12,540 (3%)
5	25,997 (9%)	33,031 (10%)	29,763 (10%)	32,575 (9%)	49,133 (11%)	44,364 (9%)	44,670 (11%)
6	50,683 (17%)	55,875 (17%)	58,924 (19%)	74,423 (21%)	97,722 (21%)	97,513 (20%)	88,147 (22%)
7	19,533 (7%)	20,044 (6%)	17,044 (6%)	14,150 (4%)	23,776 (5%)	24,865 (5%)	12,060 (3%)
8	7,696 (3%)	12,834 (4%)	9,454 (3%)	6,373 (2%)	12,099 (3%)	12,761 (3%)	7,864 (2%)
9	38,311 (13%)	39,748 (12%)	29,280 (10%)	43,721 (12%)	58,249 (13%)	66,843 (14%)	66,779 (17%)
Total	291,582 (100%)	320,282 (100%)	305,914 (100%)	358,605 (100%)	456,236 (100%)	476,067 (100%)	401,085 (100%)

^aIncludes hard red spring, durum, sunflowers, barley, oats, rye, flax, and miscellaneous commodities.

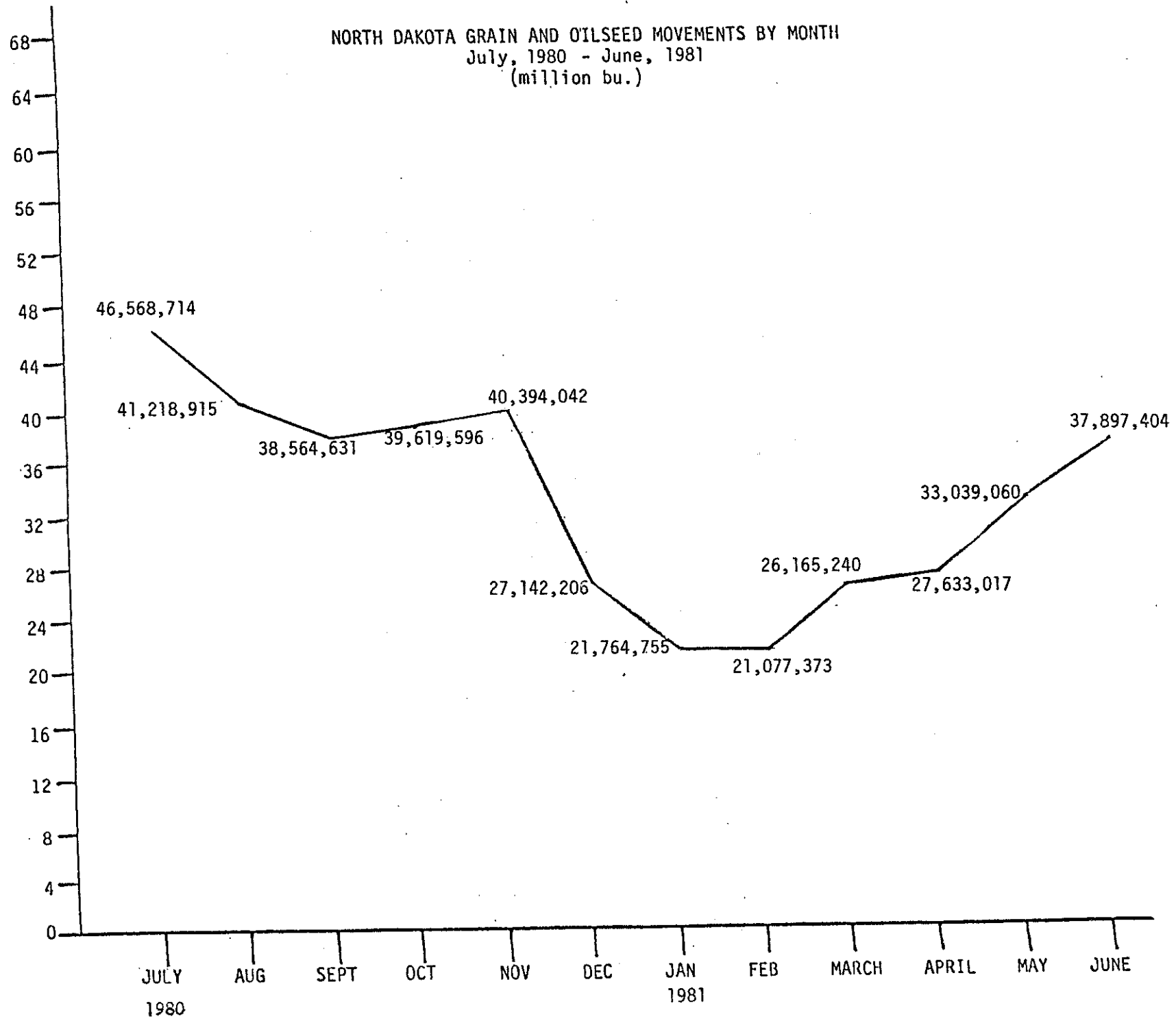
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICTS)
(thousand bu.)



NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICTS)
(thousand bu.)



NORTH DAKOTA GRAIN AND OILSEED MOVEMENTS BY MONTH
July, 1980 - June, 1981
(million bu.)



NORTH DAKOTA GRAIN AND OILSEED MOVEMENT BY MONTH
July, 1980 - June, 1981
(bushels)

MONTH	HRS	Durum	Rye	Flaxseed	Barley	Oats	Sunflowers	Misc.*	Total	Corn
July	12,020,507	7,707,791	433,288	407,732	9,417,915	560,014	13,987,386	2,034,081	46,568,714	
August	14,470,991	8,425,245	278,679	404,184	4,808,575	284,900	11,139,892	1,406,449	41,218,915	
September	15,298,178	7,864,794	231,024	270,140	5,382,270	248,270	7,126,240	2,143,715	38,564,631	
October	12,908,844	6,340,851	128,993	357,737	5,589,476	194,990	10,845,471	3,253,234	39,619,596	
November	12,345,104	5,574,714	69,356	766,927	6,980,402	237,894	11,875,342	2,544,302	40,394,042	
December	6,704,294	2,685,780	142,160	621,038	4,305,143	286,725	9,851,425	2,545,642	27,142,206	
January	6,787,338	3,639,093	131,114	256,369	3,077,691	246,354	5,371,997	2,254,799	21,764,755	
February	5,835,759	3,435,492	152,148	159,638	4,180,434	266,273	5,285,074	1,762,555	21,077,373	
March	7,705,952	4,826,502	138,247	216,246	4,771,122	289,152	6,021,680	2,196,339	26,165,240	146,100
April	9,648,917	4,033,613	76,484	145,309	3,938,327	251,802	7,866,091	1,672,474	27,633,017	1,157,760
May	8,995,120	3,975,310	112,207	203,420	4,488,410	239,857	13,701,754	1,322,982	33,039,060	849,318
June	13,394,539	4,686,657	125,515	367,445	5,732,293	408,213	11,793,943	1,391,799	37,897,404	1,037,153
Total	126,115,543	63,192,842	2,019,215	4,176,185	62,672,058	3,514,444	114,866,295	24,528,371	401,084,953	13,941,156 ¹

*Corn totals are included in misc.

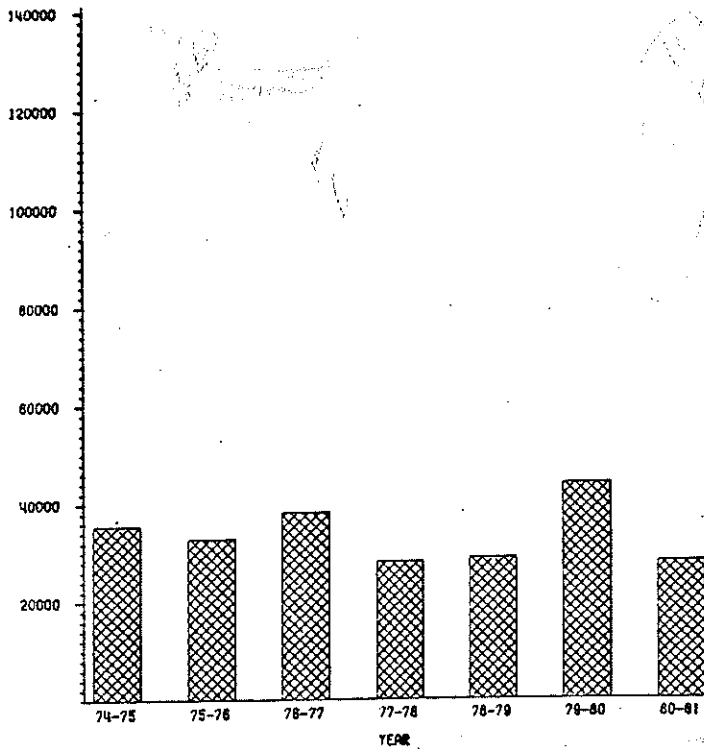
¹Total for year.

HARD RED SPRING WHEAT MOVEMENTS

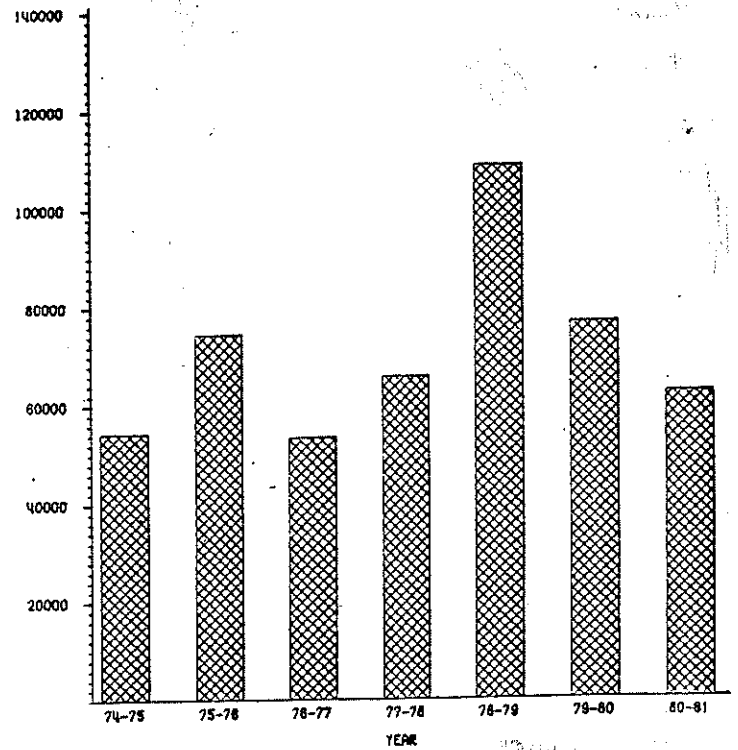
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION

DESTINATION	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
	(thousand bu.)						
MINNEAPOLIS-ST. PAUL	35,485 (29%)	32,855 (24%)	38,230 (31%)	28,199 (22%)	28,846 (16%)	44,031 (26%)	27,981 (22%)
DULUTH-SUPERIOR	54,419 (44%)	74,467 (53%)	53,419 (43%)	65,832 (51%)	108,717 (59%)	76,887 (45%)	62,608 (50%)
WEST	17,713 (14%)	17,788 (13%)	16,675 (13%)	21,502 (17%)	34,818 (19%)	31,377 (19%)	23,074 (18%)
MISCELLANEOUS MARKETS	15,317 (12%)	14,253 (10%)	15,651 (13%)	12,420 (10%)	12,542 (7%)	17,278 (10%)	12,453 (10%)
TOTAL	122,934 (100%)	139,363 (100%)	123,975 (100%)	127,953 (100%)	184,923 (100%)	169,573 (100%)	126,116 (100%)

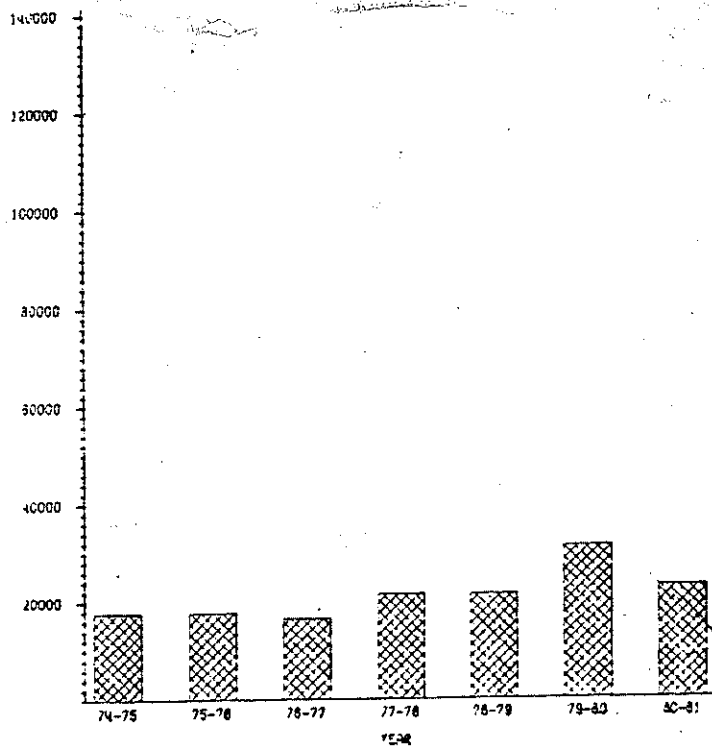
NORTH DAKOTA HARD RED SPRING WHEAT BY DESTINATION (thousand bu.)



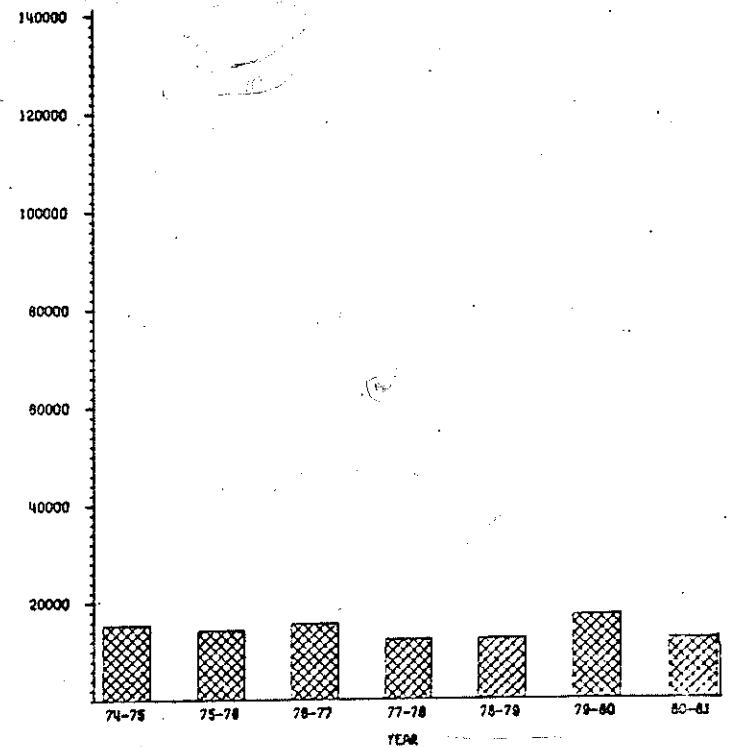
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

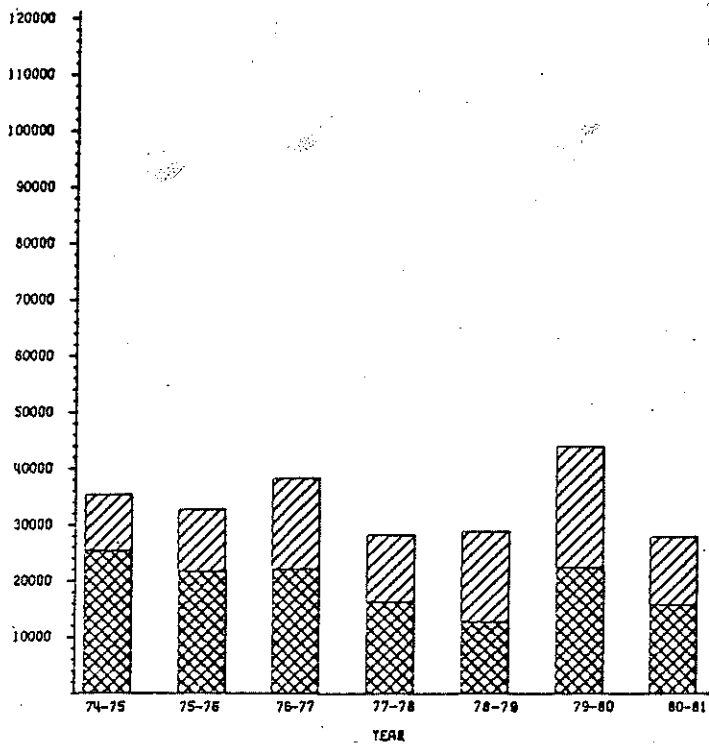


MISC. MARKETS

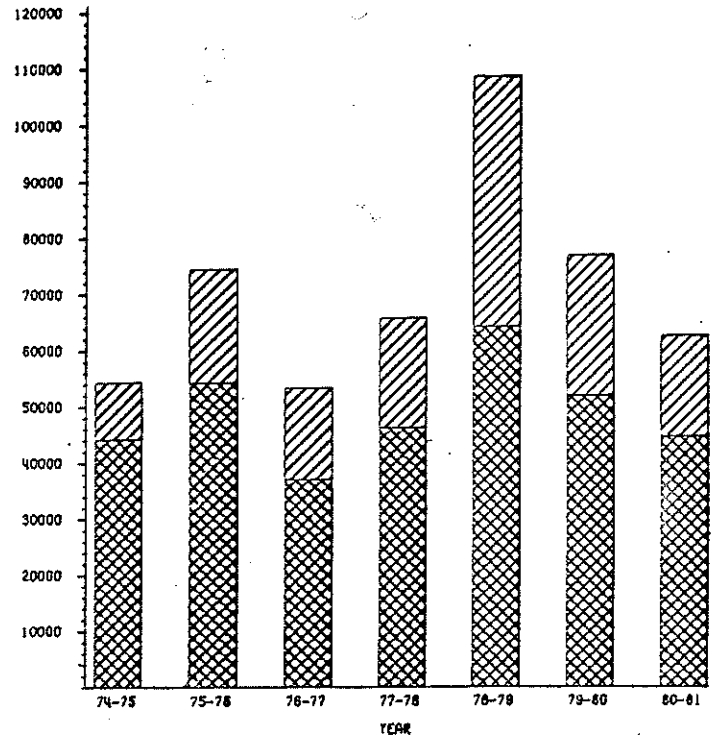
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

DESTINATION	1974-75		1975-76		1976-77		1977-78		1978-79		1979-80		1980-81	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)														
MINN.-ST. PAUL	25,518 (72%)	9,967 (28%)	21,832 (66%)	11,023 (34%)	22,206 (58%)	16,024 (42%)	16,211 (57%)	11,988 (43%)	12,762 (44%)	16,084 (56%)	22,476 (51%)	21,555 (49%)	15,942 (57%)	12,039 (43%)
DULUTH-SUPERIOR	44,216 (81%)	10,203 (19%)	54,310 (73%)	20,157 (27%)	37,140 (70%)	16,280 (30%)	46,283 (70%)	19,548 (30%)	64,230 (59%)	44,487 (41%)	51,970 (67%)	24,917 (33%)	44,702 (71%)	17,906 (29%)
WEST	15,566 (88%)	2,147 (12%)	14,261 (80%)	3,527 (20%)	10,629 (64%)	6,047 (36%)	14,630 (68%)	6,873 (32%)	24,389 (70%)	10,429 (30%)	19,337 (62%)	12,040 (38%)	12,444 (54%)	10,630 (46%)
MISC. MARKETS	12,184 (80%)	3,132 (20%)	11,421 (80%)	2,832 (20%)	12,249 (78%)	3,402 (22%)	9,385 (76%)	3,035 (24%)	7,429 (59%)	5,114 (41%)	12,481 (72%)	4,796 (28%)	9,670 (78%)	2,783 (22%)
TOTAL	97,484 (79%)	25,449 (21%)	101,824 (73%)	37,539 (27%)	82,224 (66%)	41,753 (33%)	86,509 (68%)	41,444 (32%)	108,810 (59%)	76,114 (41%)	106,265 (63%)	63,308 (37%)	82,758 (66%)	43,358 (34%)

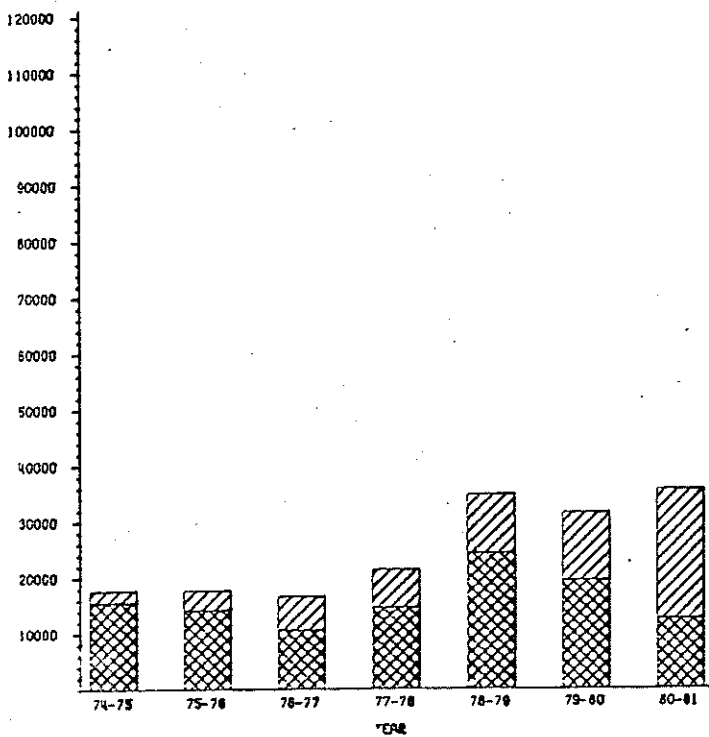
NORTH DAKOTA HARD RED SPRING WHEAT BY RAIL AND TRUCK AND DESTINATION (thousand bu.)



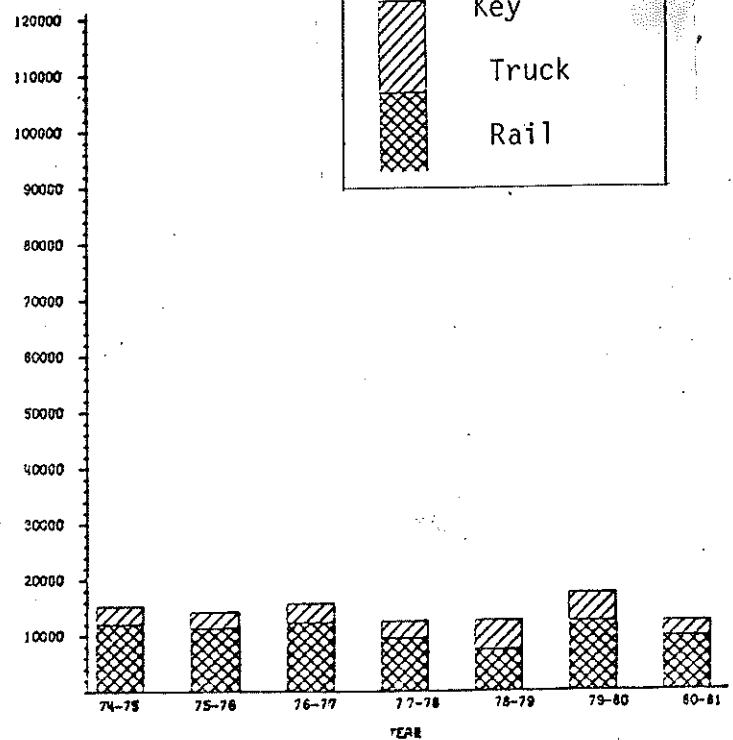
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

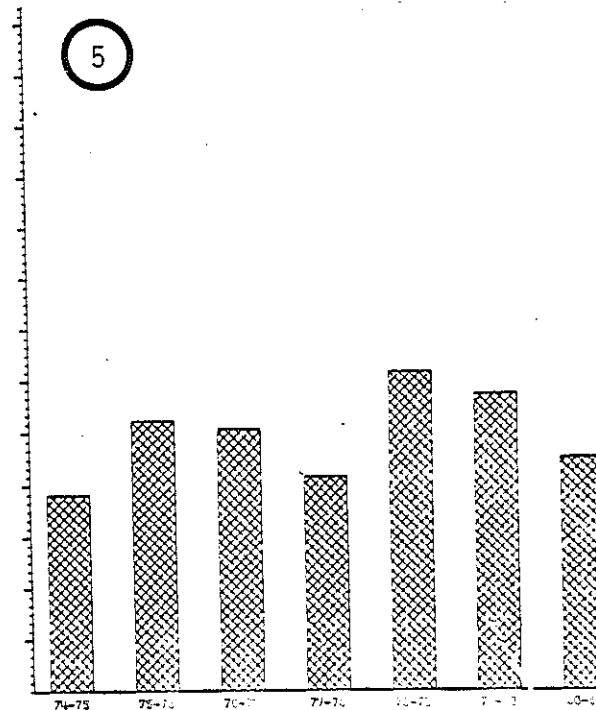
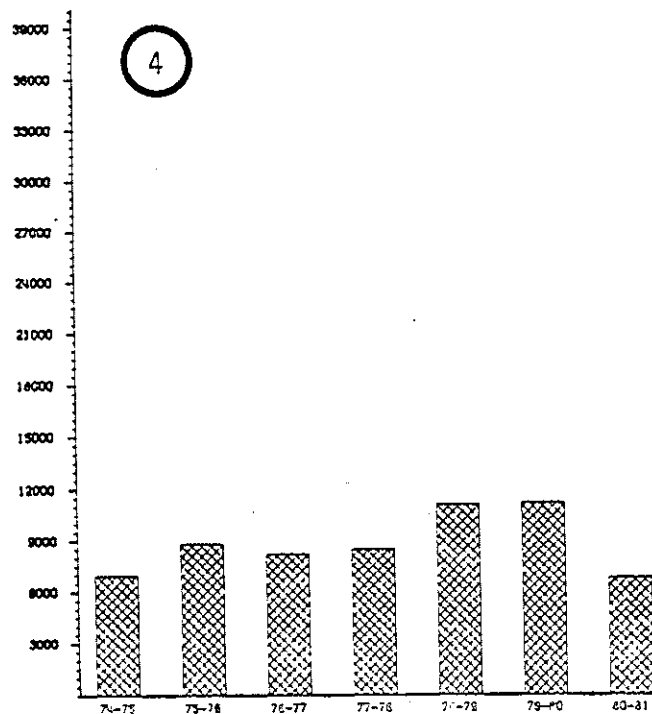
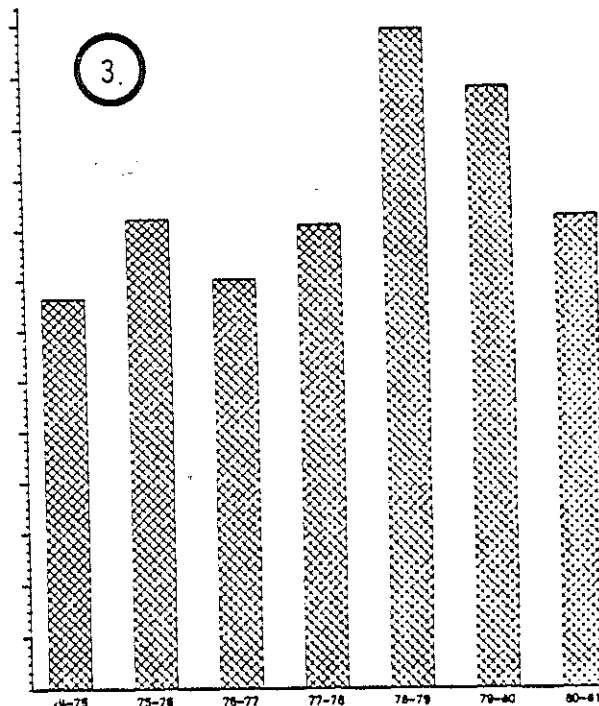
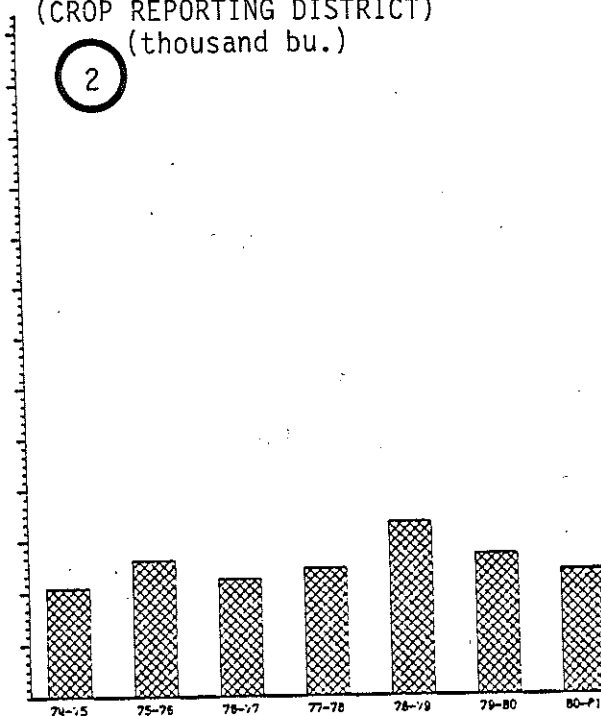
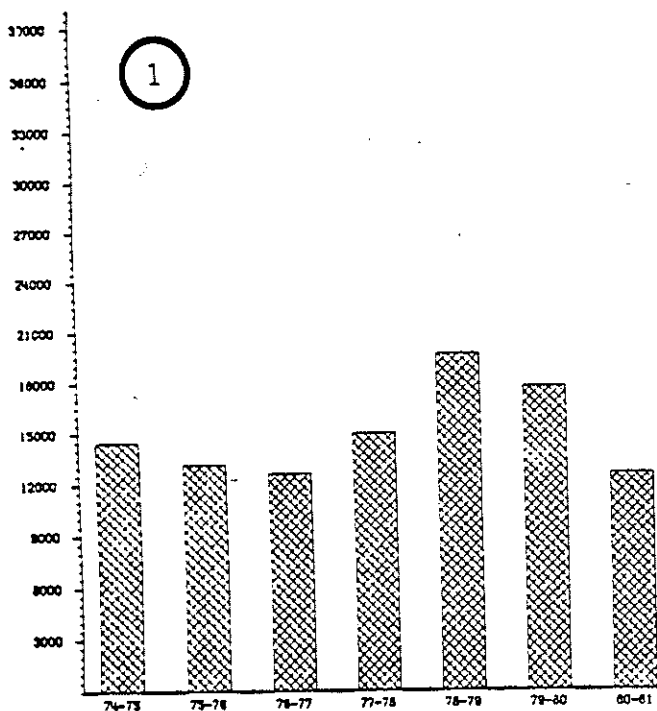


MISC. MARKETS

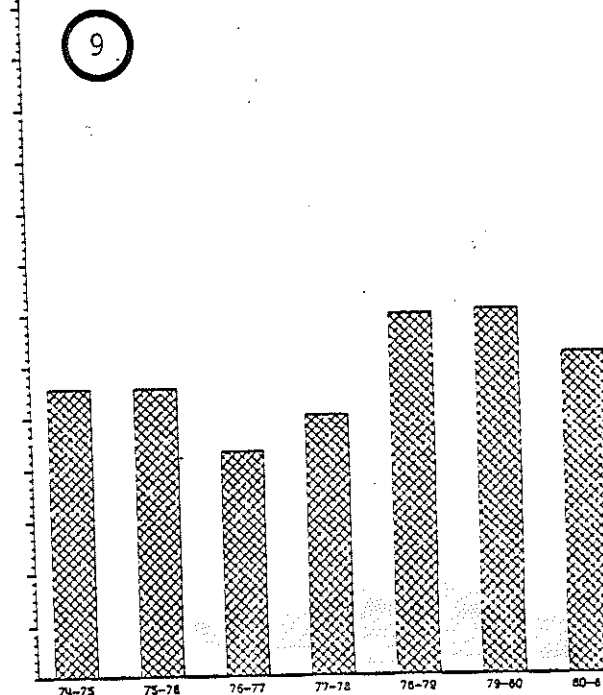
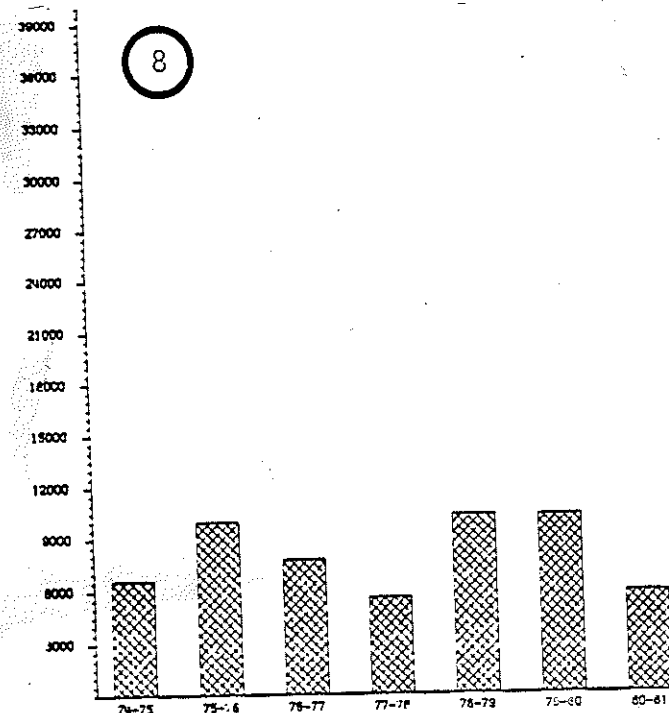
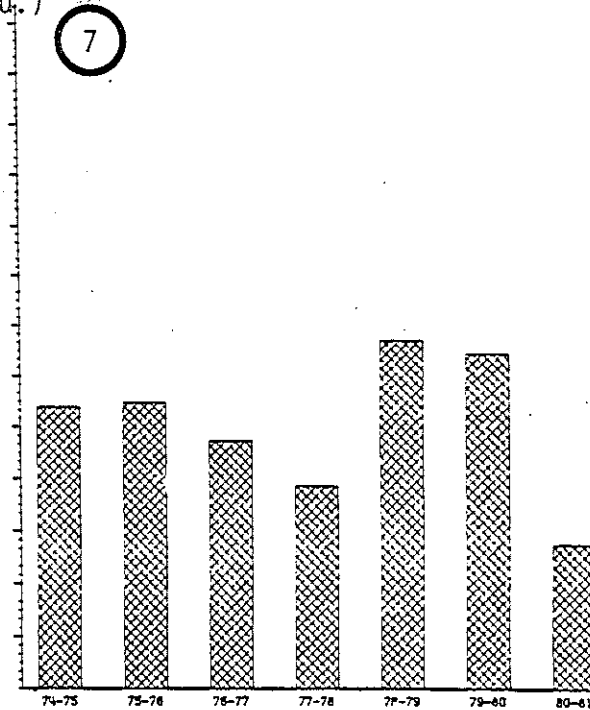
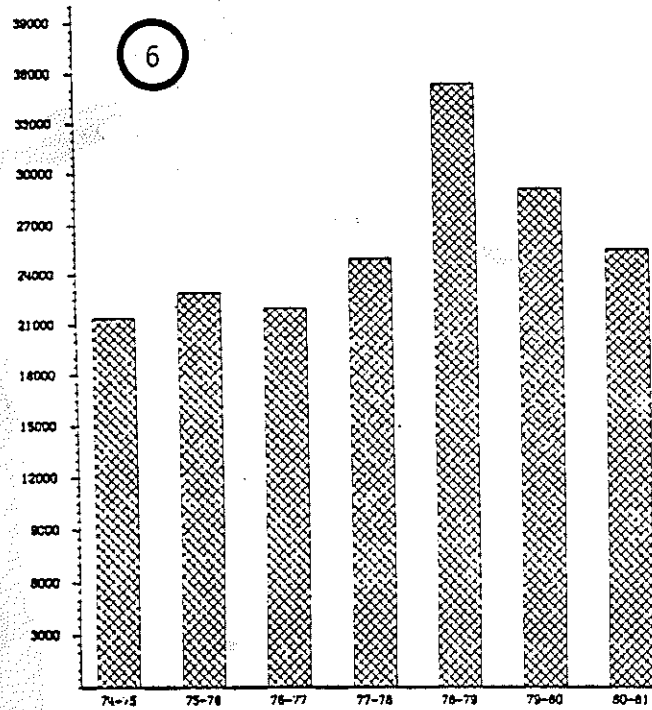
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

CROP REPORTING DISTRICT	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
(thousand bu.)							
1	14,472	13,179	12,657	15,009	19,640	17,678	12,552
2	6,279	7,872	6,807	7,370	10,028	8,124	7,182
3	22,893	27,698	24,053	27,331	38,757	35,407	27,836
4	6,955	8,821	8,209	8,477	11,116	11,230	6,793
5	11,473	15,695	15,253	12,521	18,546	17,253	13,584
6	21,393	22,962	22,000	25,013	35,425	29,088	25,503
7	16,138	16,422	14,182	11,563	20,117	19,327	8,241
8	6,609	9,993	7,782	5,567	10,317	10,284	5,832
9	16,720	16,720	13,033	15,103	20,977	21,182	18,593
TOTAL	122,932	139,362	123,976	127,954	184,923	169,573	126,116

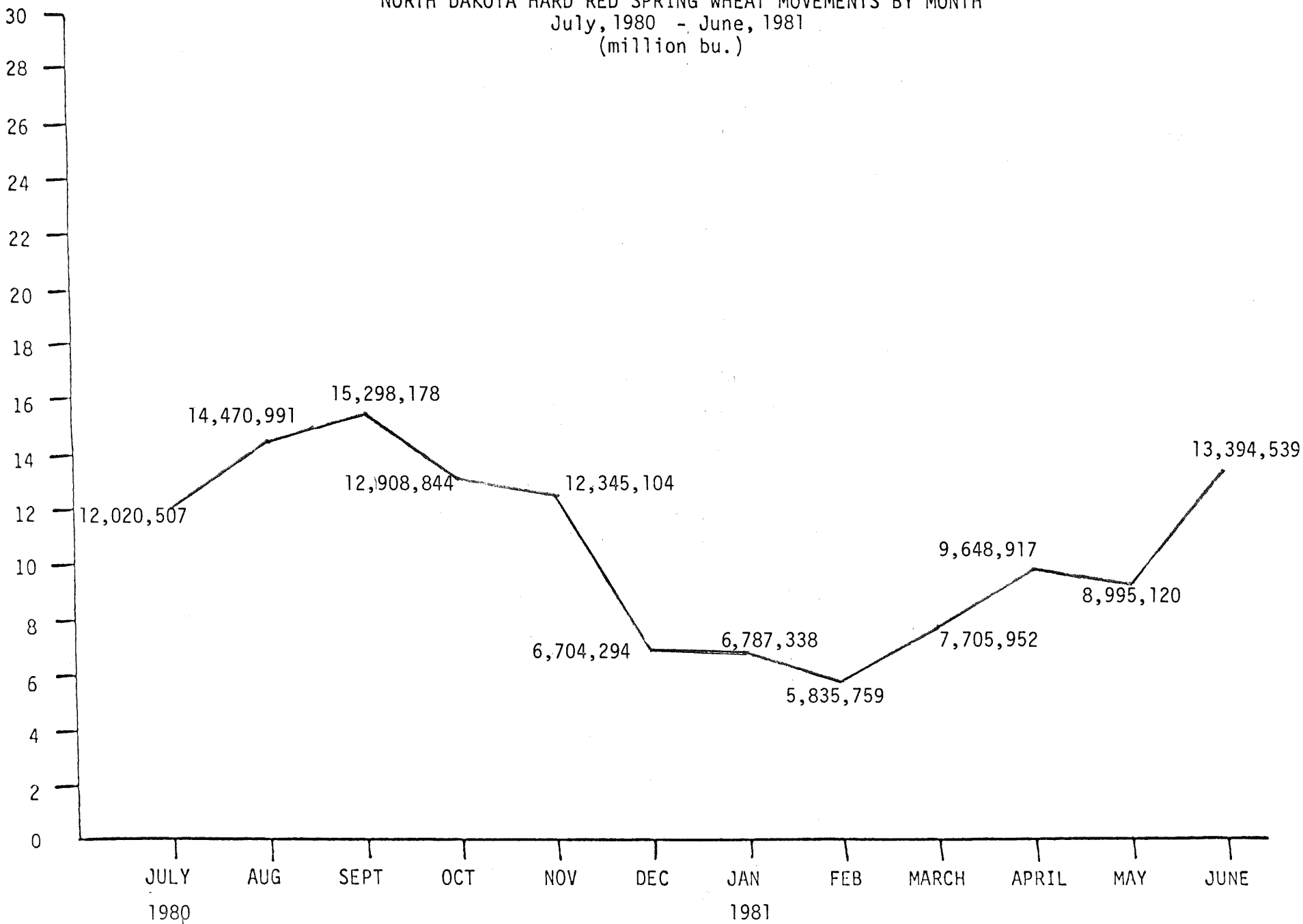
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)
(thousand bu.)



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



NORTH DAKOTA HARD RED SPRING WHEAT MOVEMENTS BY MONTH
July, 1980 - June, 1981
(million bu.)

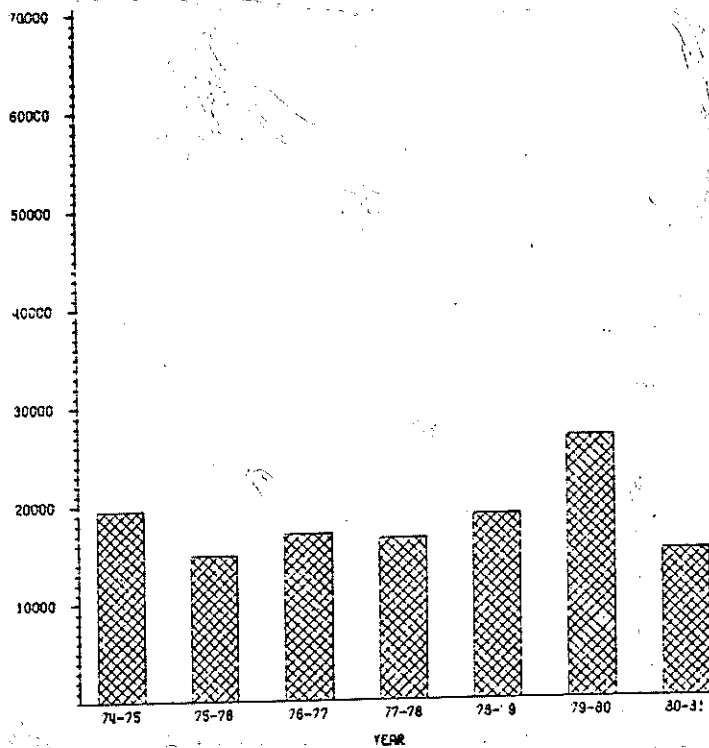


DURUM WHEAT MOVEMENTS

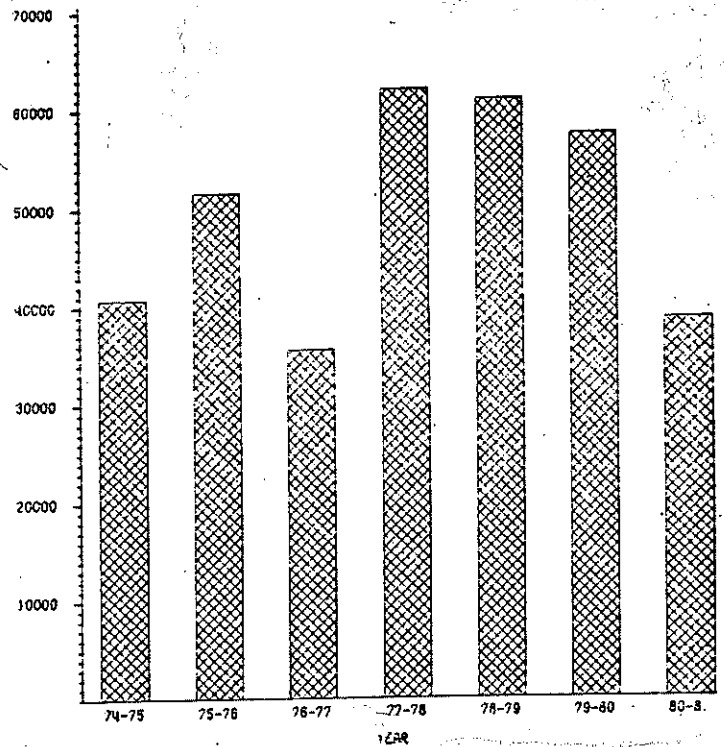
NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION

DESTINATION	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
	(thousand bu.)						
MINNEAPOLIS-ST. PAUL	19,455 (28%)	14,905 (20%)	17,024 (26%)	16,478 (19%)	18,797 (21%)	26,712 (28%)	15,046 (24%)
DULUTH-SUPERIOR	40,728 (59%)	51,553 (69%)	35,537 (55%)	61,990 (70%)	60,973 (69%)	57,379 (61%)	38,502 (61%)
WEST	847 (1%)	434 (1%)	1,636 (3%)	1,339 (2%)	1,545 (2%)	1,506 (2%)	483 (1%)
MISCELLANEOUS MARKETS	7,751 (11%)	7,925 (11%)	10,827 (17%)	8,559 (10%)	7,345 (8%)	8,985 (9%)	9,160 (14%)
TOTAL	68,781 (100%)	74,817 (100%)	65,024 (100%)	88,366 (100%)	88,660 (100%)	94,582 (100%)	63,191 (100%)

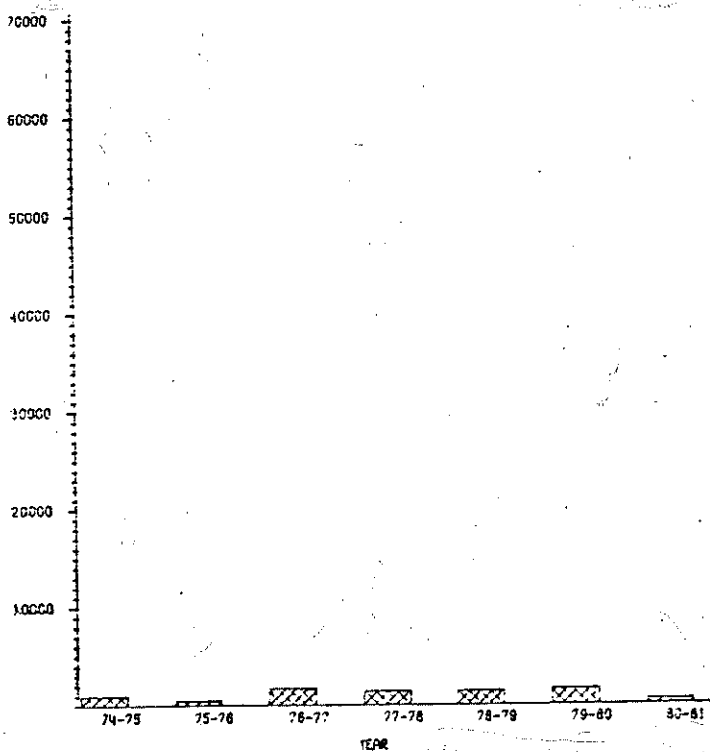
NORTH DAKOTA DURUM SHIPMENTS BY DESTINATION (thousand bu.)



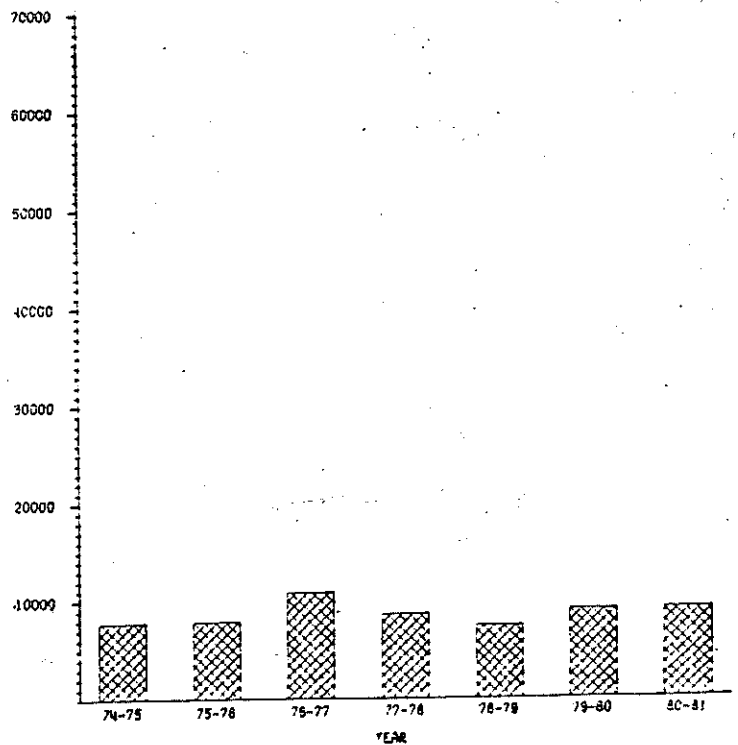
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

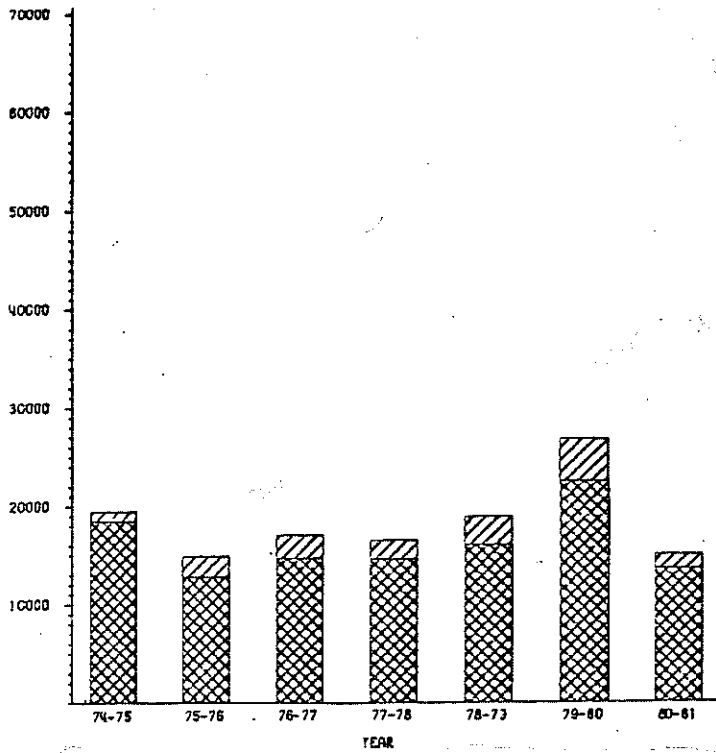


MISC. MARKETS

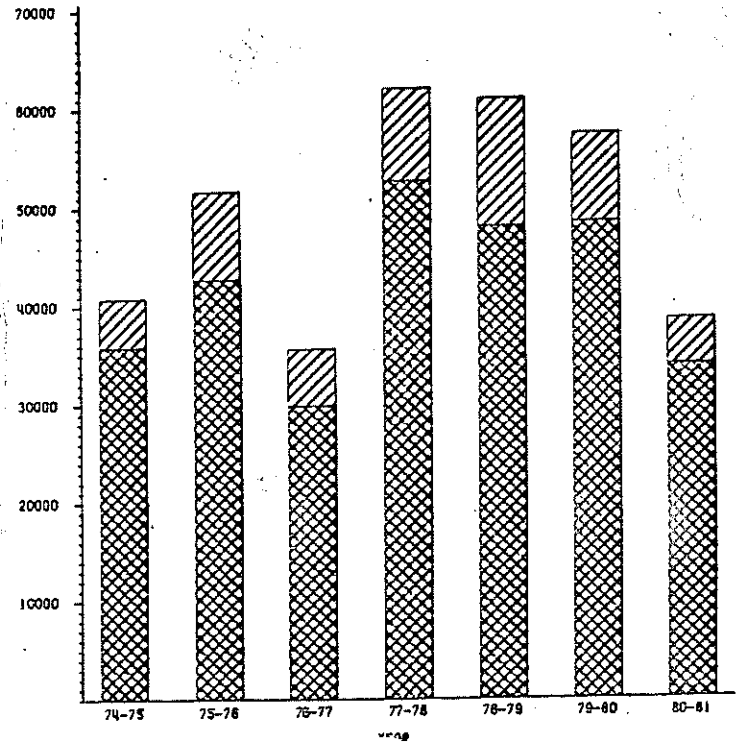
NORTH DAKOTA DURUM SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

DESTINATION	1974-75		1975-76		1976-77		1977-78		1978-79		1979-80		1980-81	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)														
MINN.-ST. PAUL	18,489 (95%)	966 (5%)	12,790 (86%)	2,115 (14%)	14,664 (86%)	2,360 (14%)	14,576 (88%)	1,902 (12%)	15,950 (85%)	2,847 (15%)	22,408 (81%)	4,304 (19%)	13,599 (90%)	1,447 (10%)
DULUTH-SUPERIOR	35,770 (88%)	4,957 (12%)	42,620 (83%)	8,933 (17%)	29,747 (84%)	5,790 (16%)	52,552 (85%)	9,438 (15%)	47,950 (79%)	13,023 (21%)	48,415 (84%)	8,964 (16%)	33,852 (88%)	4,650 (12%)
WEST	608 (72%)	239 (28%)	263 (61%)	171 (39%)	481 (29%)	1,155 (71%)	871 (65%)	468 (35%)	1,341 (87%)	203 (13%)	1,254 (83%)	252 (17%)	353 (73%)	130 (27%)
MISC. MARKETS	7,505 (97%)	246 (3%)	7,184 (91%)	741 (9%)	9,681 (89%)	1,147 (11%)	7,419 (87%)	1,139 (13%)	5,797 (79%)	1,548 (21%)	7,178 (80%)	1,807 (20%)	7,834 (86%)	1,326 (14%)
TOTAL	62,372 (91%)	6,408 (9%)	62,857 (84%)	11,960 (16%)	54,573 (84%)	10,452 (16%)	75,418 (85%)	12,947 (15%)	71,038 (80%)	17,621 (20%)	79,255 (84%)	15,327 (16%)	55,638 (88%)	7,553 (12%)

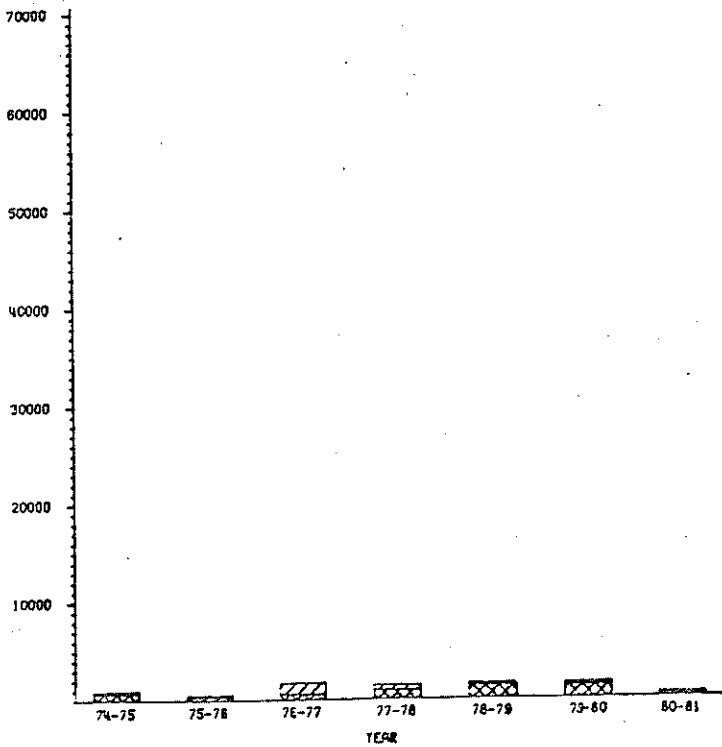
NORTH DAKOTA DURUM SHIPMENTS BY RAIL AND TRUCK AND DESTINATION (thousand bu.)



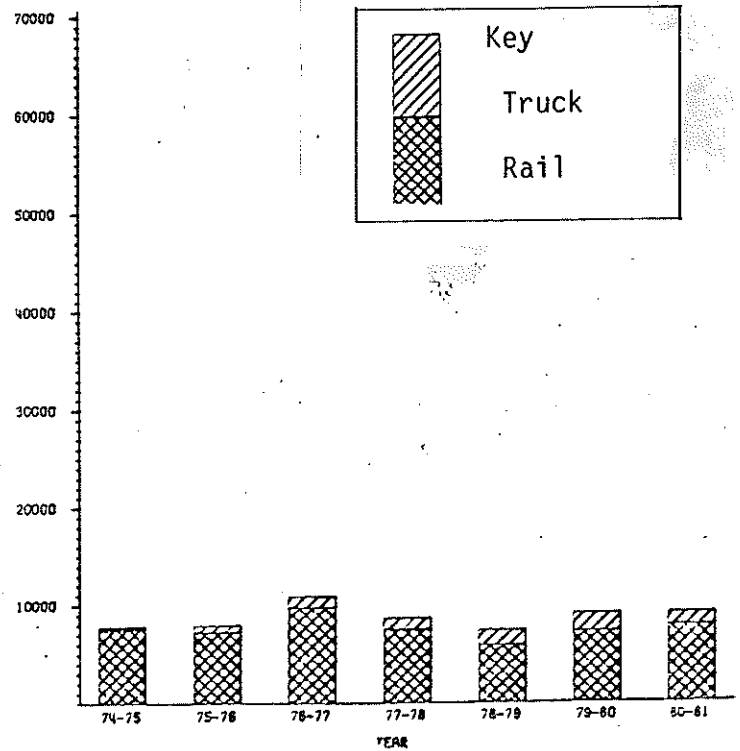
MINNEAPOLIS - ST. PAUL



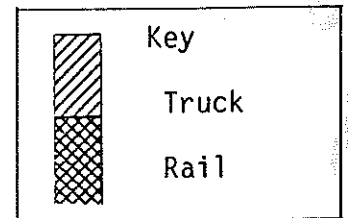
DULUTH - SUPERIOR



WEST



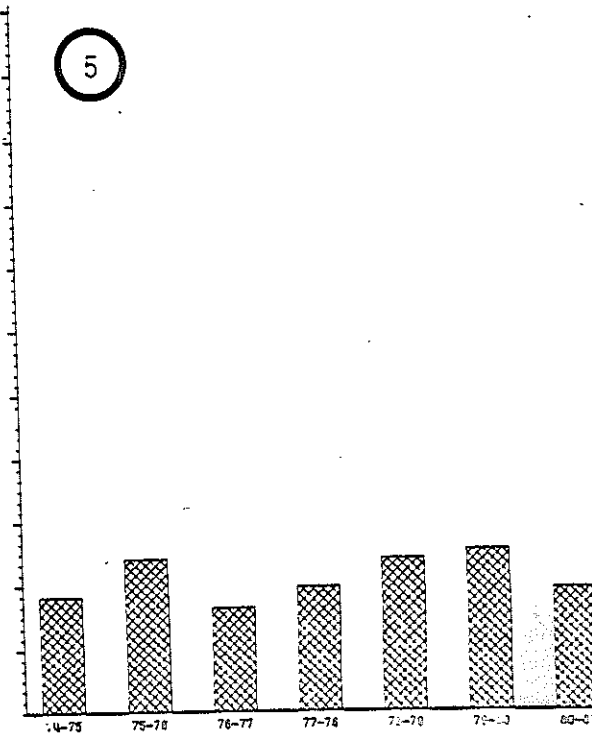
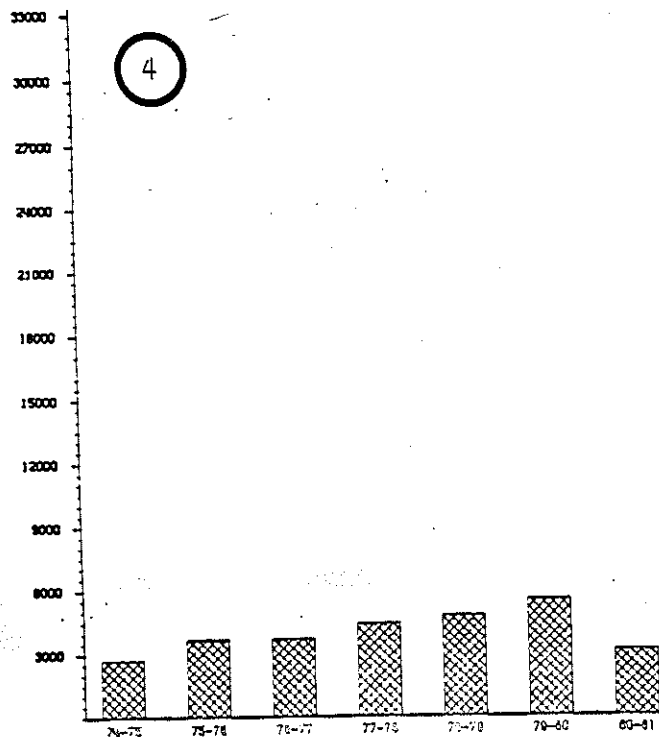
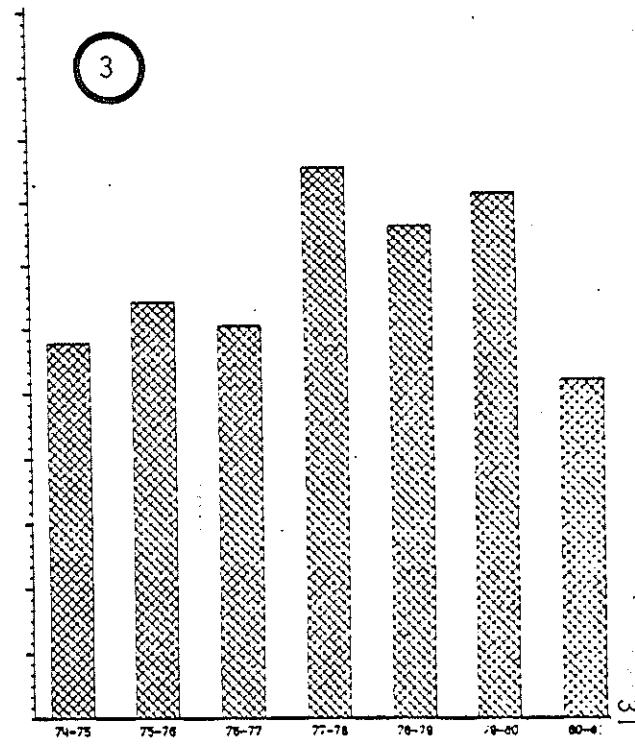
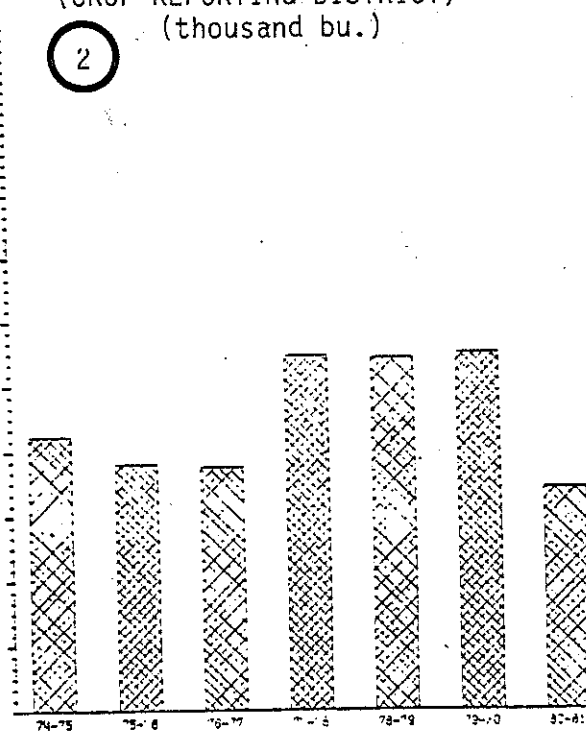
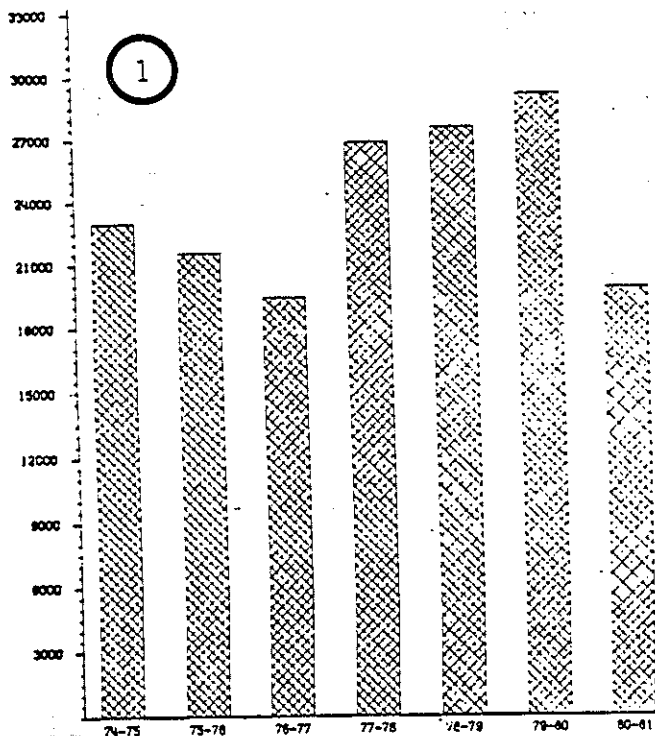
MISC. MARKETS



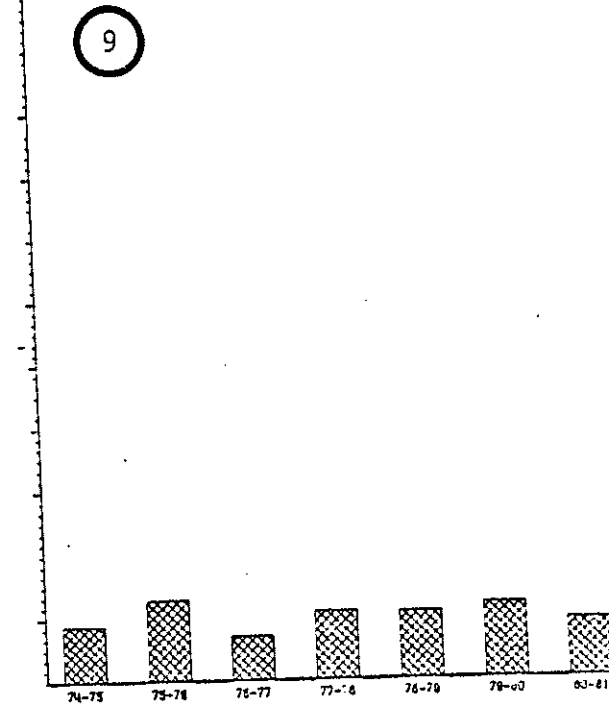
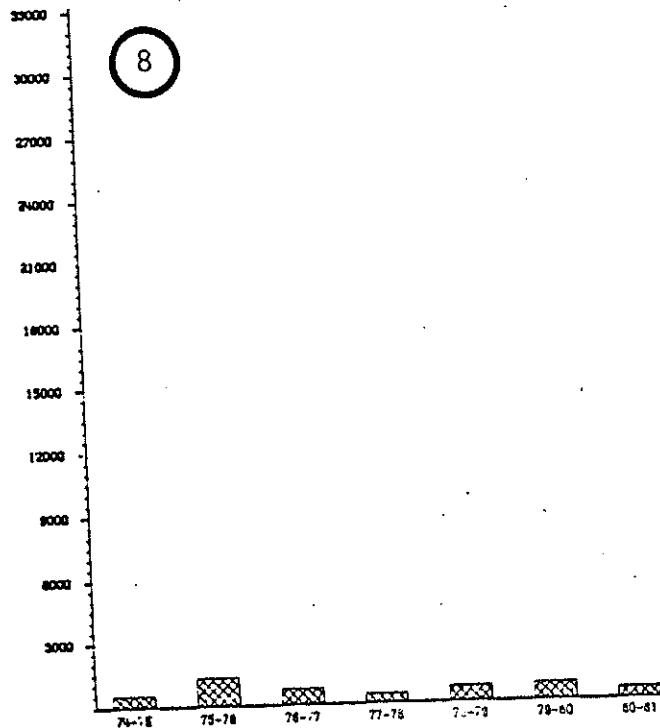
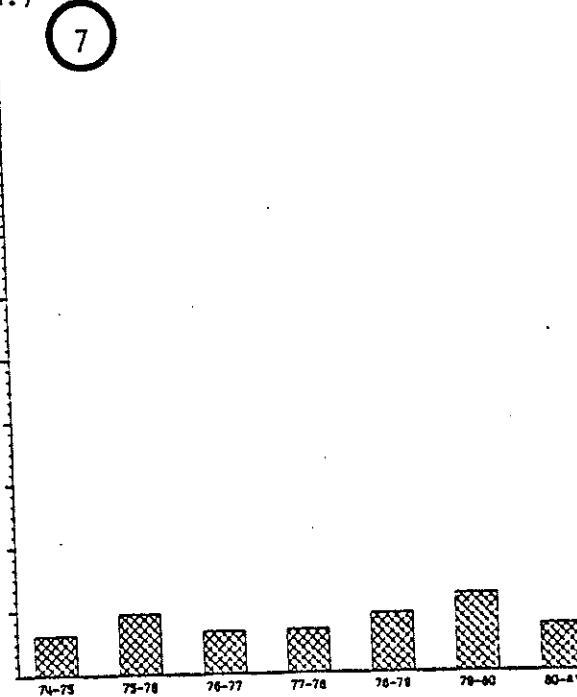
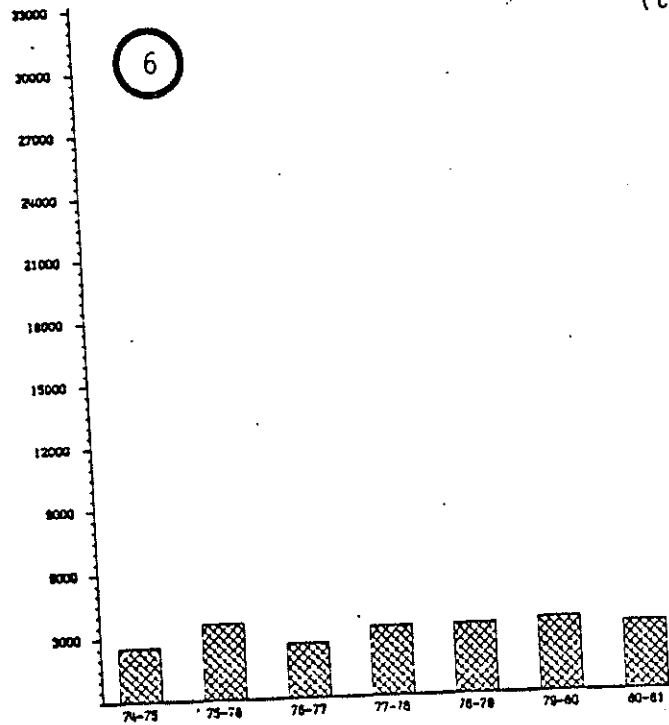
NORTH DAKOTA DURUM SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

CROP REPORTING DISTRICT	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
	(thousand bu.)						
1	22,973	21,573	19,420	26,813	27,496	29,060	19,774
2	12,685	11,404	11,279	16,378	16,256	16,472	10,223
3	17,326	19,272	18,168	25,707	22,902	24,453	15,644
4	2,717	3,696	3,728	4,449	4,808	5,512	3,129
5	5,466	7,270	4,960	5,945	7,269	7,670	5,817
6	2,555	3,558	2,573	3,269	3,251	3,432	3,150
7	1,871	2,844	2,013	2,071	2,755	3,619	2,177
8	543	1,331	760	469	728	800	503
9	2,642	3,870	2,123	3,266	3,197	3,565	2,774
TOTAL	68,778	74,818	65,024	88,367	88,662	94,583	63,191

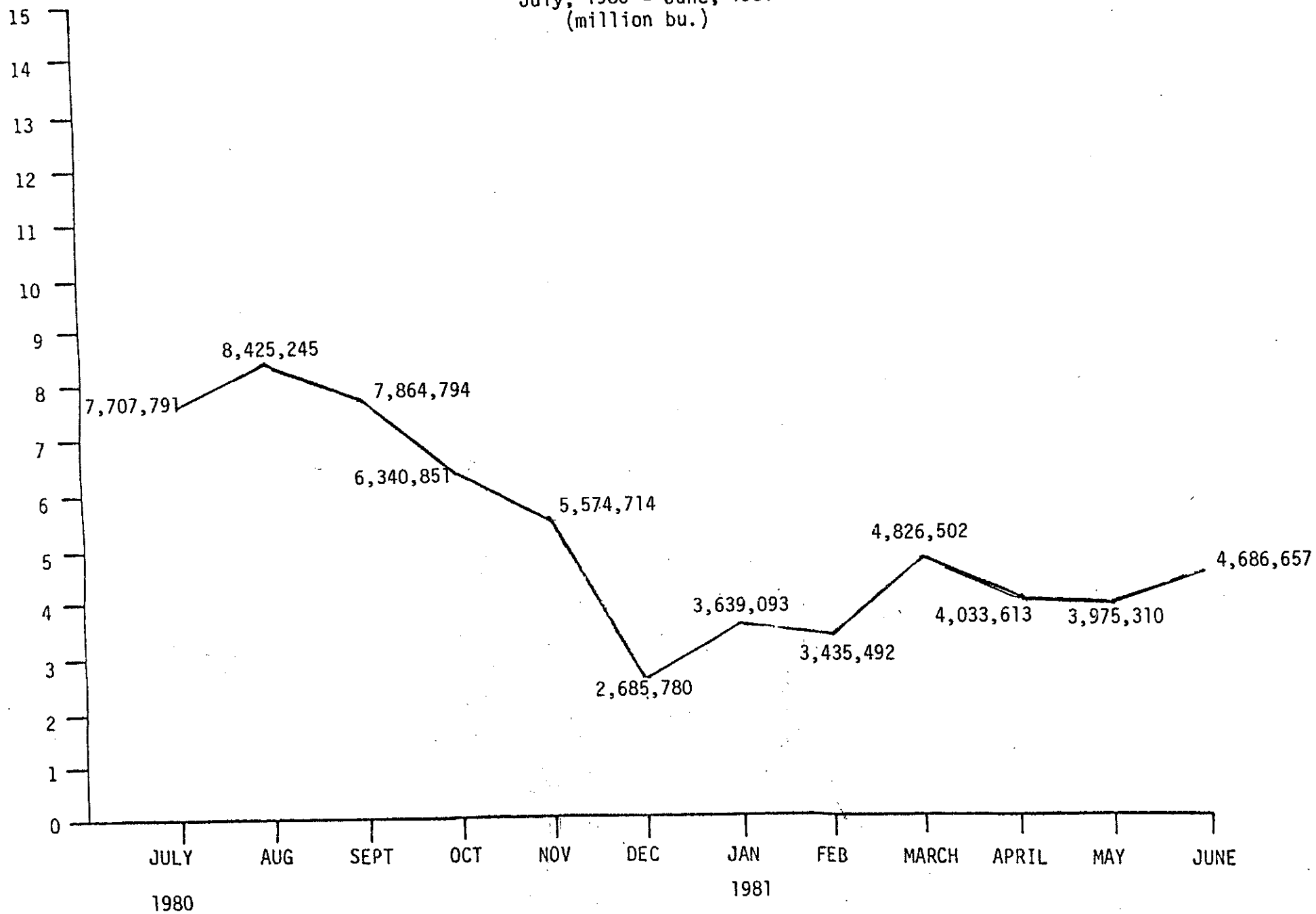
NORTH DAKOTA DURUM SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)
(thousand bu.)



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



NORTH DAKOTA DURUM SHIPMENTS BY MONTH
July, 1980 - June, 1981
(million bu.)

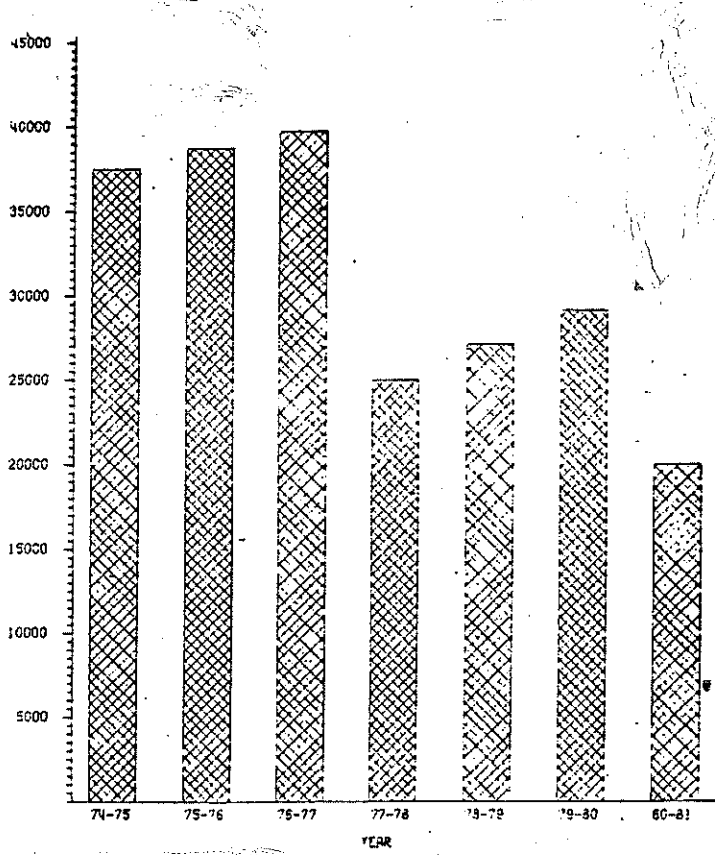


BARLEY MOVEMENTS

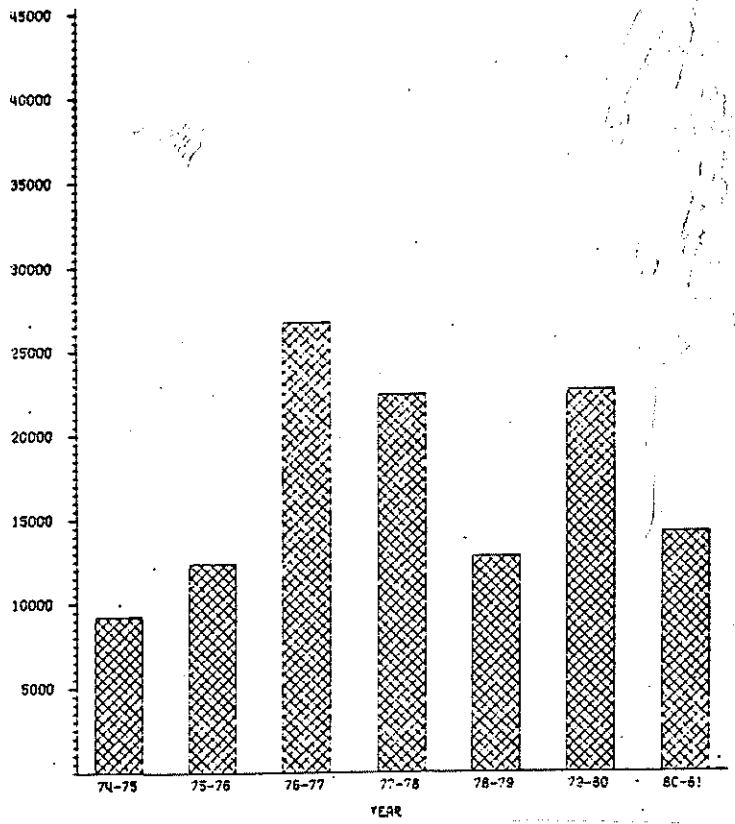
NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION

DESTINATION	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
(thousand bu.)							
MINNEAPOLIS-ST. PAUL	37,461 (66%)	38,710 (69%)	39,728 (54%)	25,006 (40%)	27,092 (39%)	29,169 (37%)	20,034 (32%)
DULUTH-SUPERIOR	9,204 (16%)	12,346 (22%)	26,672 (36%)	22,394 (35%)	12,786 (18%)	22,643 (29%)	14,214 (23%)
WEST	1,652 (3%)	893 (2%)	126 (1%)	792 (1%)	1,204 (2%)	753 (1%)	2,147 (3%)
MISCELLANEOUS MARKETS	8,360 (15%)	4,405 (8%)	6,788 (9%)	14,923 (24%)	28,566 (41%)	26,056 (33%)	26,277 (42%)
TOTAL	56,677 (100%)	56,354 (100%)	73,314 (100%)	63,115 (100%)	69,648 (100%)	78,621 (100%)	62,672 (100%)

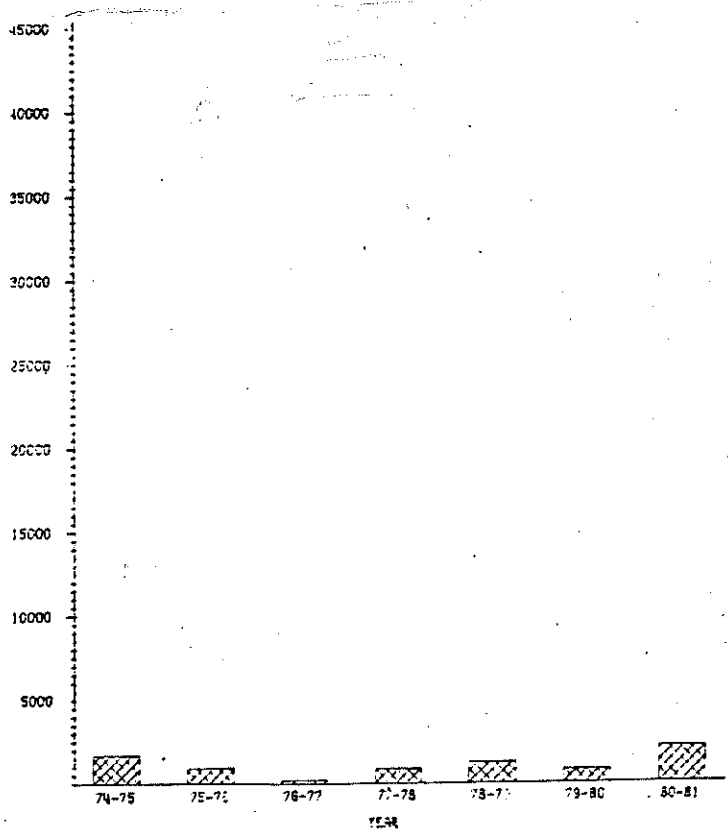
NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION
(thousand bu.)



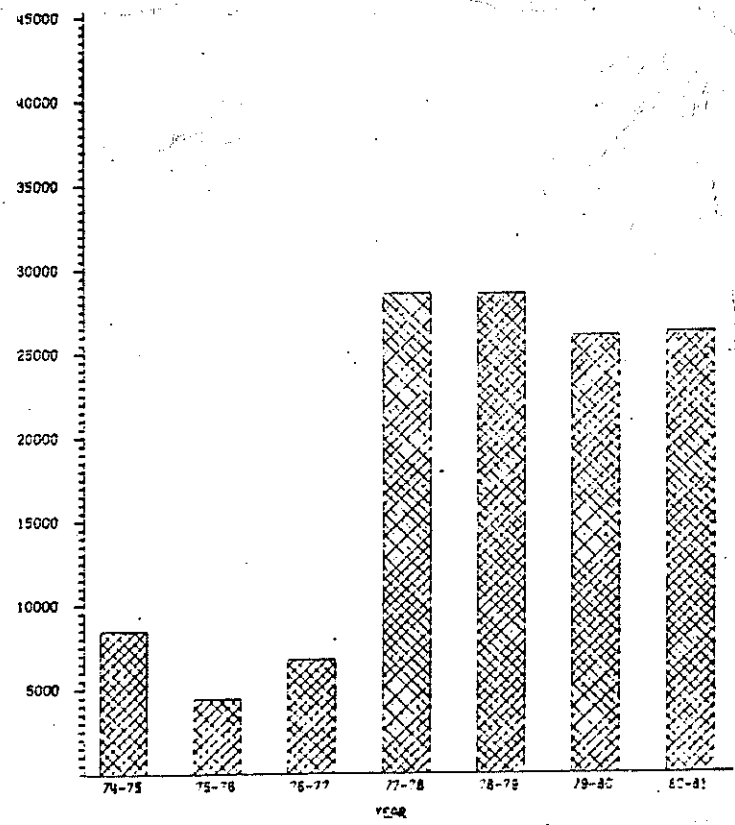
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

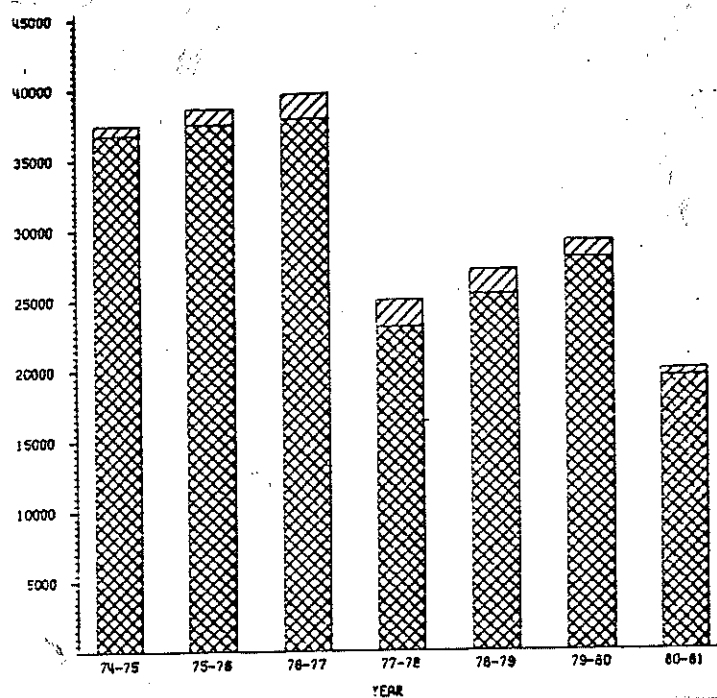


MISC. MARKETS

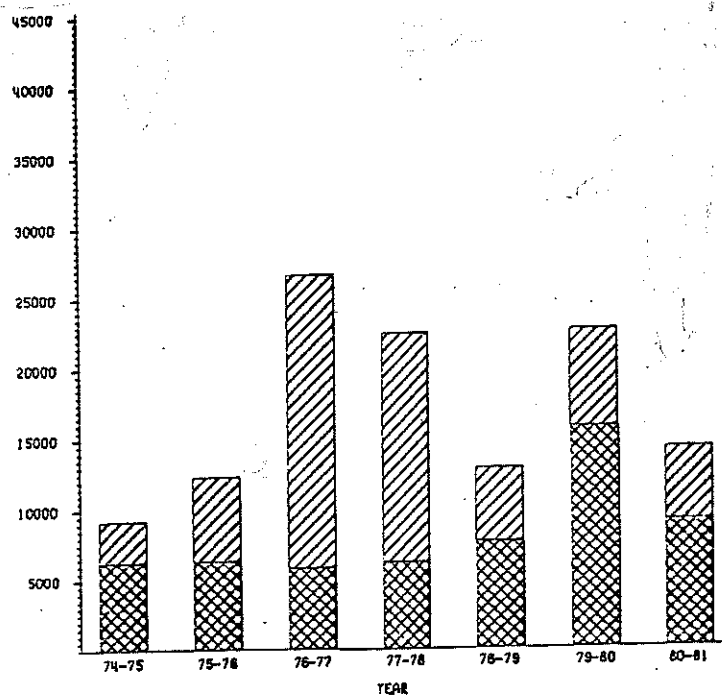
NORTH DAKOTA BARLEY SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

DESTINATION	1974-75		1975-76		1976-77		1977-78		1978-79		1979-80		1980-81	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)														
MINN.-ST. PAUL	36,783 (98%)	678 (2%)	37,566 (97%)	1,144 (3%)	37,974 (96%)	1,753 (4%)	23,111 (92%)	1,895 (8%)	25,414 (94%)	1,678 (6%)	27,963 (96%)	1,206 (4%)	19,535 (98%)	499 (2%)
DULUTH-SUPERIOR	6,235 (68%)	2,969 (32%)	6,331 (51%)	6,015 (49%)	5,792 (22%)	20,880 (78%)	6,145 (27%)	16,249 (73%)	7,578 (59%)	5,210 (41%)	15,697 (69%)	6,945 (31%)	9,025 (63%)	5,189 (37%)
WEST	646 (39%)	1,006 (61%)	128 (14%)	765 (86%)	74 (58%)	52 (42%)	323 (41%)	469 (59%)	677 (56%)	527 (44%)	301 (40%)	452 (60%)	92 (4%)	2,055 (96%)
MISC. MARKETS	5,607 (67%)	2,753 (33%)	3,411 (77%)	994 (23%)	4,329 (64%)	2,459 (36%)	11,583 (78%)	3,340 (22%)	18,656 (65%)	9,910 (35%)	17,728 (68%)	8,328 (32%)	19,133 (73%)	7,144 (27%)
TOTAL	49,271 (87%)	7,406 (13%)	47,436 (84%)	8,918 (16%)	48,169 (66%)	25,144 (34%)	41,162 (65%)	21,953 (35%)	52,325 (75%)	17,325 (25%)	61,689 (79%)	16,931 (21%)	47,785 (76%)	14,887 (24%)

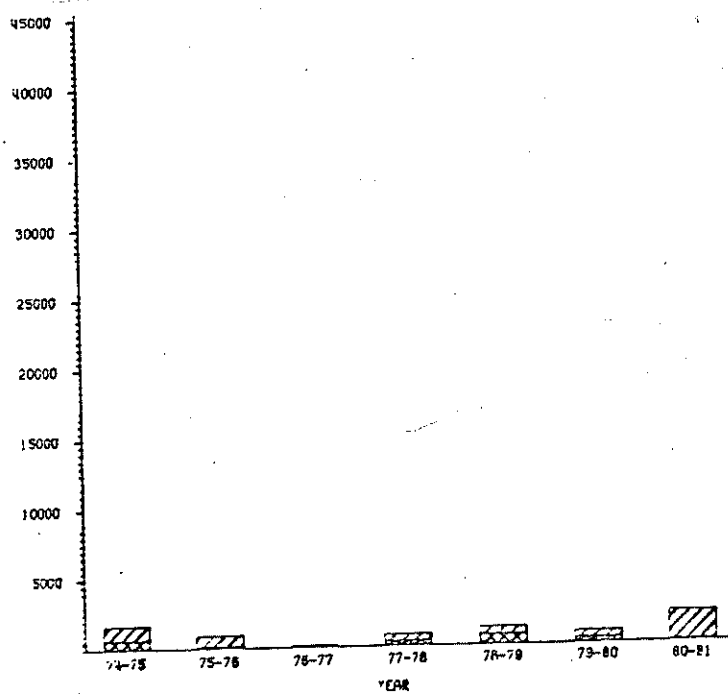
NORTH DAKOTA BARLEY SHIPMENTS BY RAIL AND TRUCK AND DESTINATION (thousand bu.)



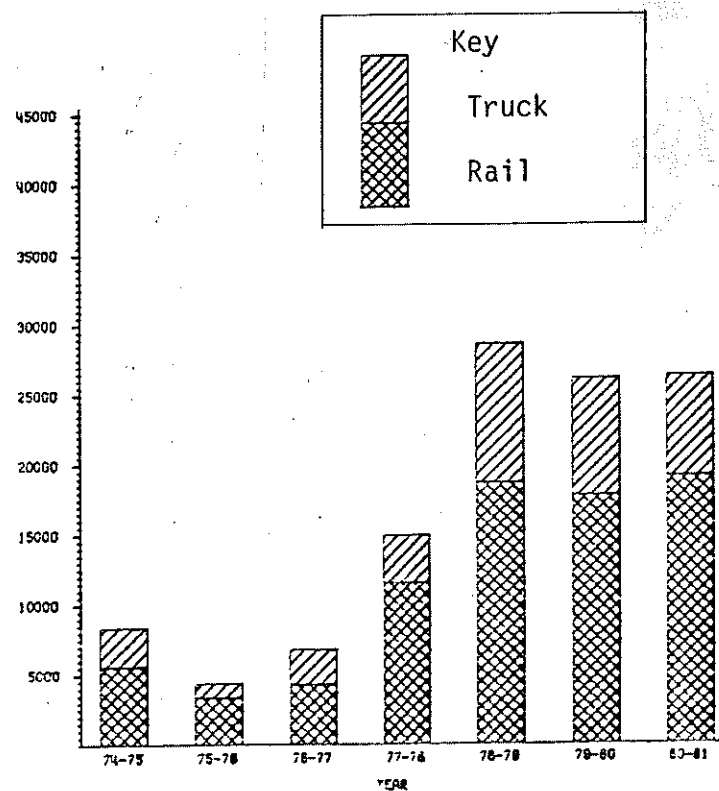
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST



MISC. MARKETS

Key

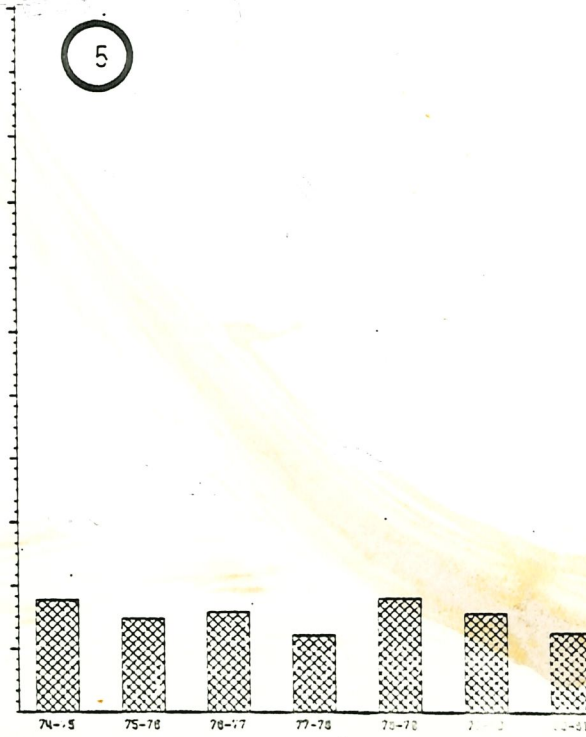
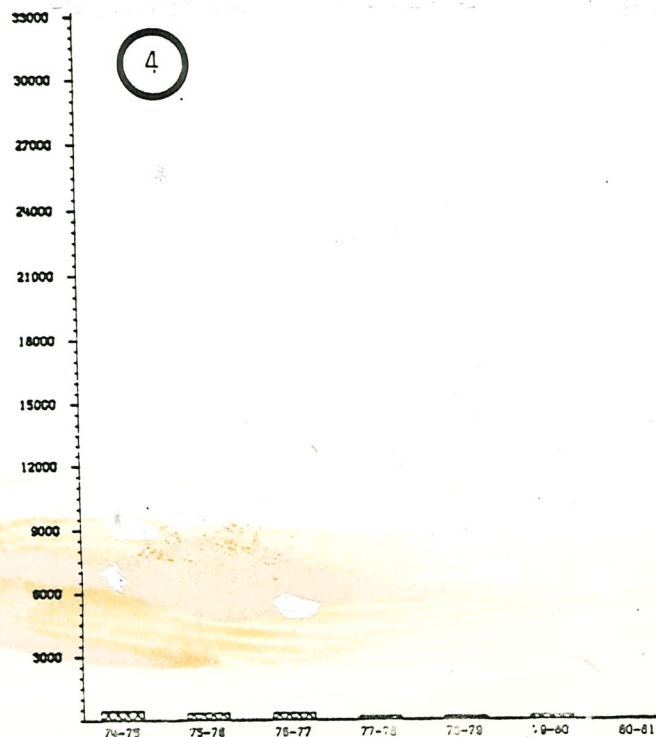
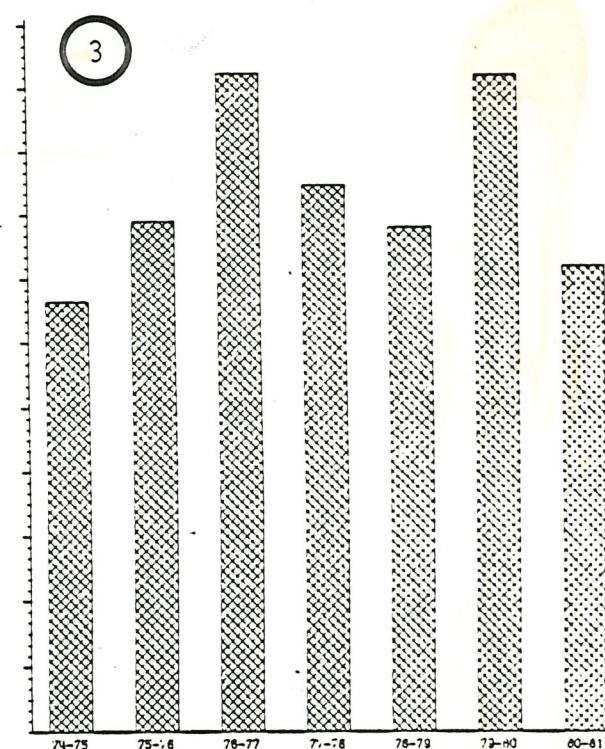
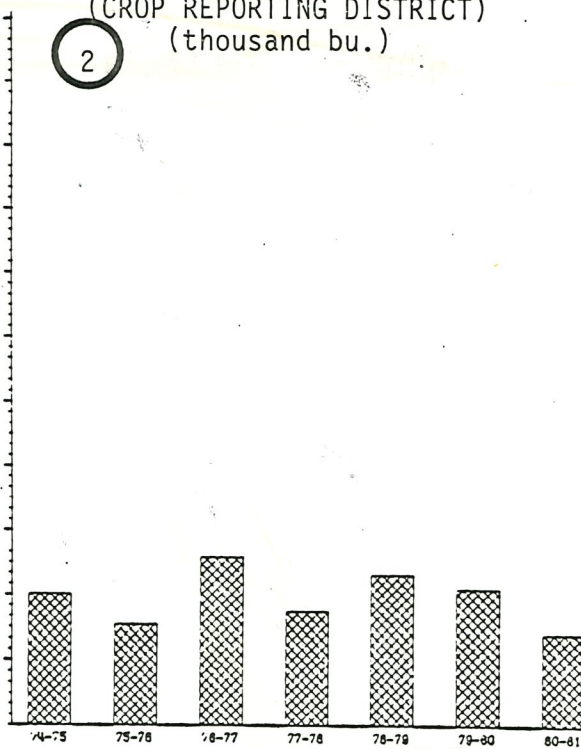
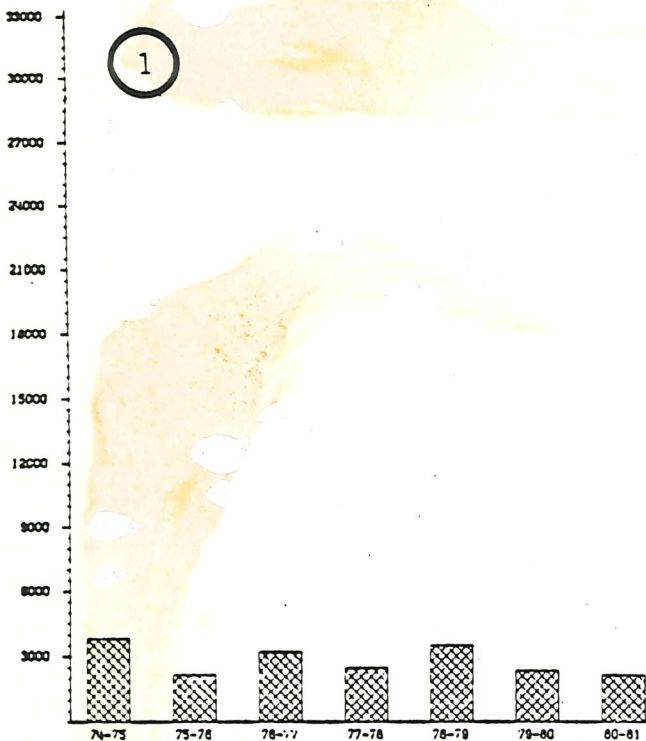
Truck

Rail

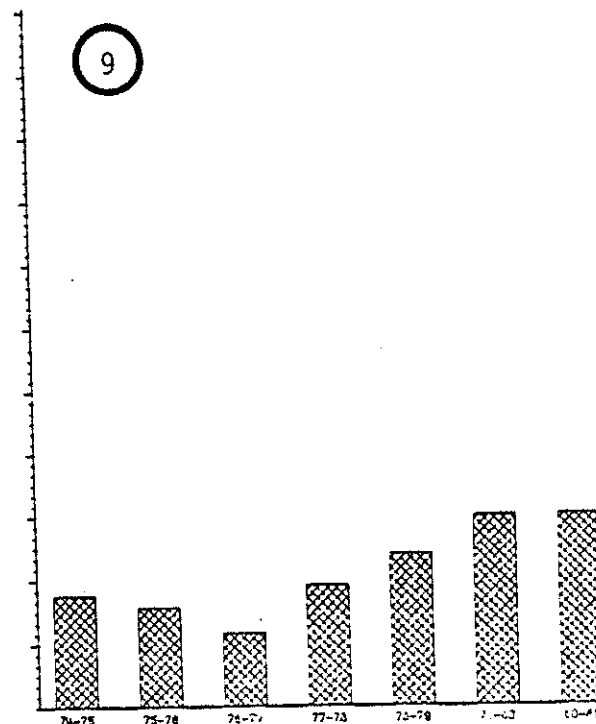
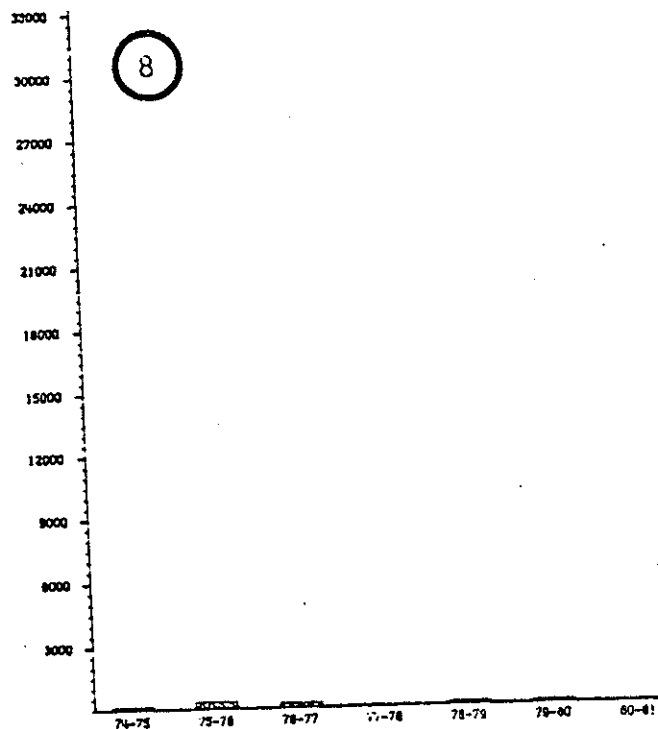
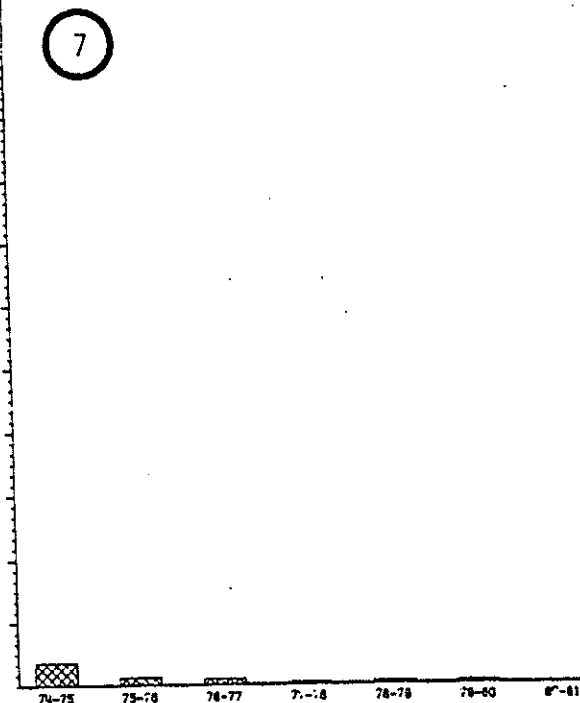
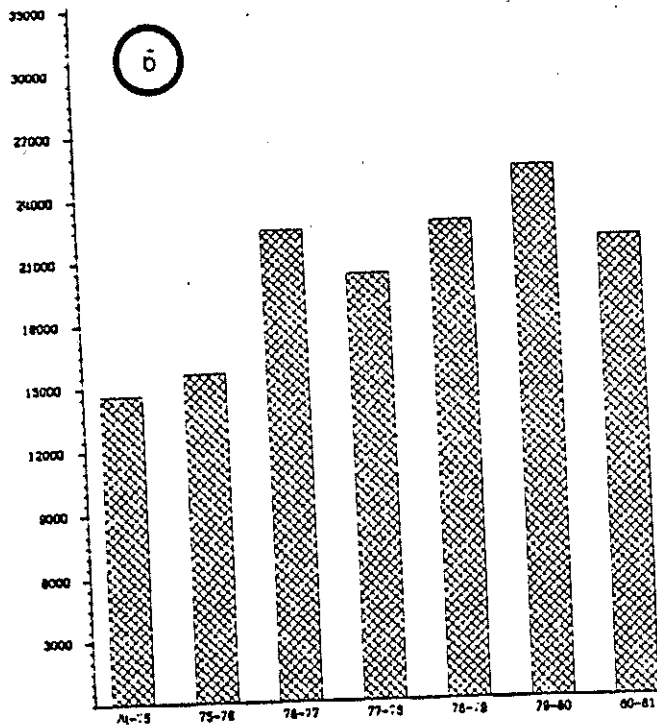
NORTH DAKOTA BARLEY SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

CROP REPORTING DISTRICT	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
(thousand bu.)							
1	3,813	2,183	3,229	2,502	3,515	2,355	2,162
2	6,023	4,621	7,761	5,220	6,930	6,267	4,217
3	19,947	23,698	30,727	25,417	23,449	30,625	21,561
4	462	339	345	175	164	214	56
5	5,321	4,439	4,773	3,682	5,423	4,697	3,782
6	14,602	15,619	22,440	20,258	22,739	25,247	21,812
7	1,075	386	300	94	120	130	13
8	136	342	237	20	122	106	21
9	5,294	4,728	3,501	5,747	7,185	8,980	9,049
TOTAL	56,673	56,355	73,313	63,115	69,647	78,621	62,673

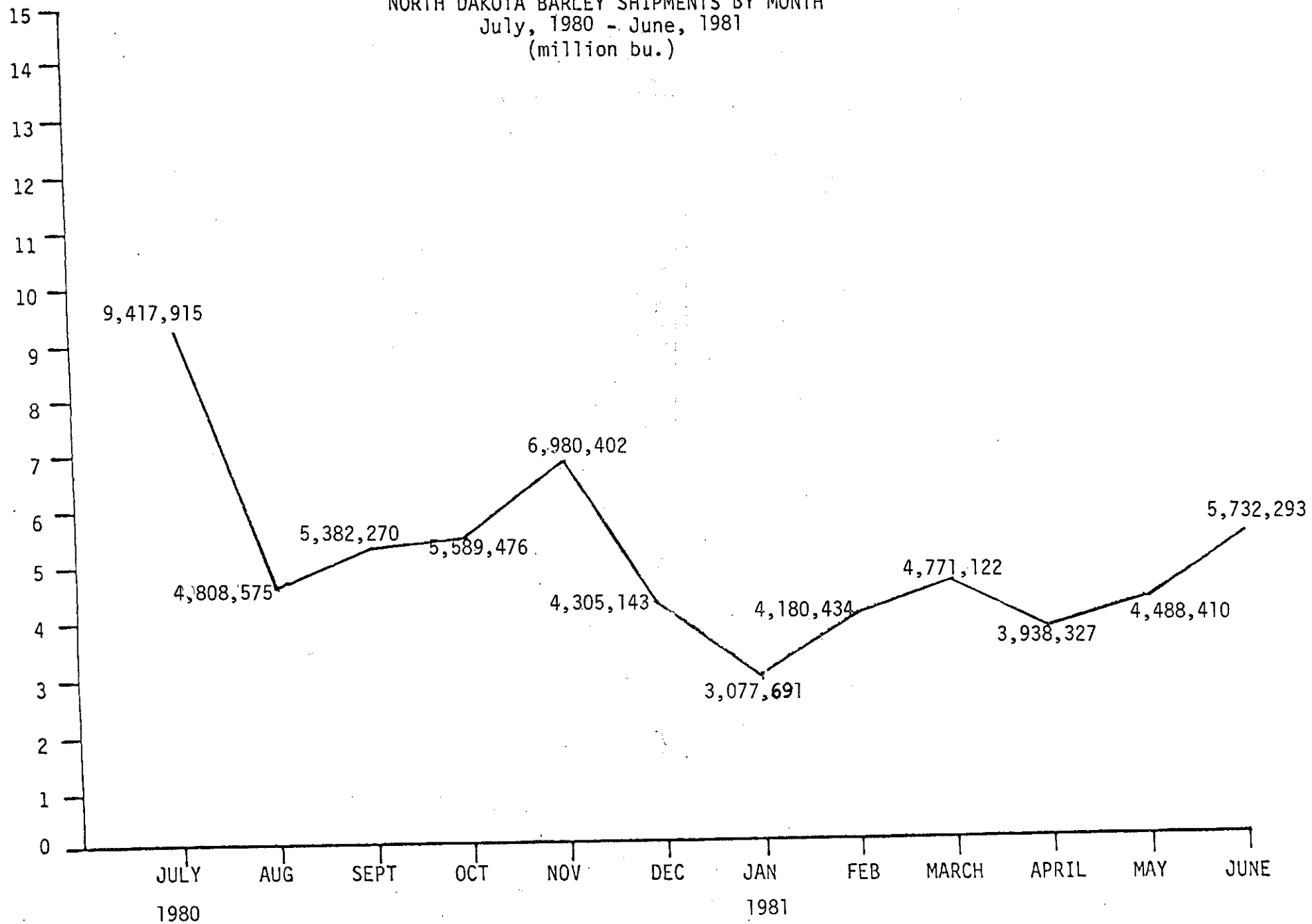
NORTH DAKOTA BARLEY SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)
(thousand bu.)



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



NORTH DAKOTA BARLEY SHIPMENTS BY MONTH
July, 1980 - June, 1981
(million bu.)

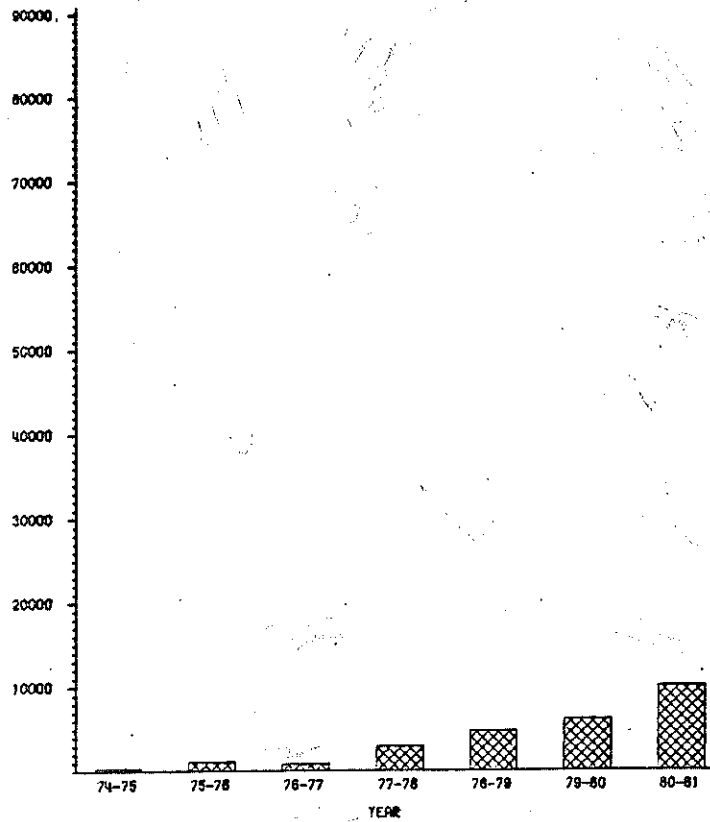


SUNFLOWER SEED MOVEMENTS

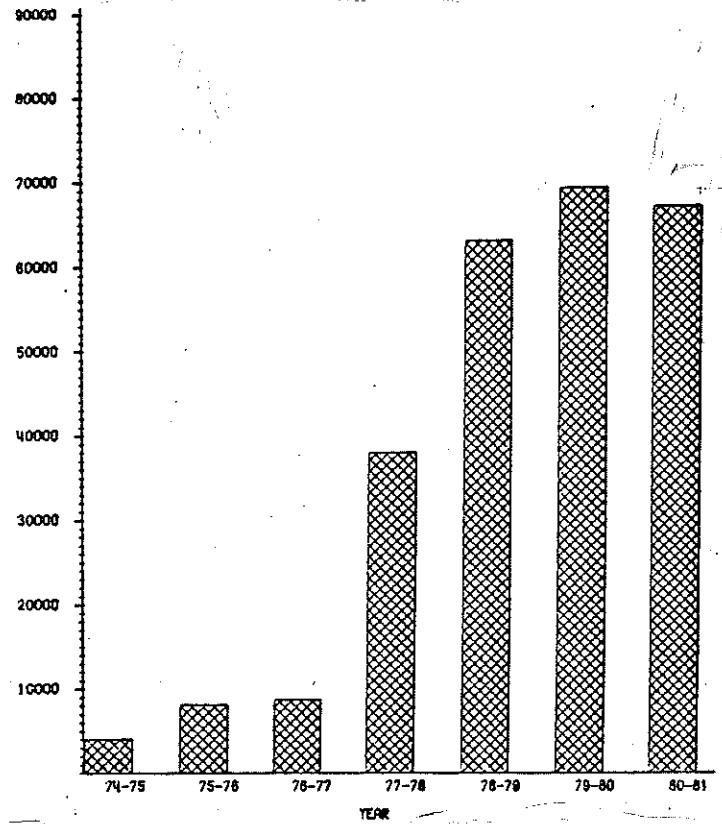
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY DESTINATION

DESTINATION	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
	(thousand bu.)						
MINNEAPOLIS-ST. PAUL	401 (4%)	1,158 (8%)	863 (6%)	2,992 (6%)	4,790 (6%)	6,154 (6%)	10,167 (9%)
DULUTH-SUPERIOR	3,932 (44%)	8,083 (56%)	8,693 (56%)	38,019 (74%)	63,178 (80%)	69,422 (72%)	67,277 (59%)
OTHER MINNESOTA	1,075 (12%)	1,147 (8%)	1,369 (9%)	3,220 (6%)	5,608 (7%)	8,215 (9%)	8,398 (7%)
MISC. MARKETS	3,605 (40%)	4,166 (27%)	4,697 (30%)	7,047 (14%)	5,677 (7%)	12,149 (13%)	29,024 (25%)
TOTAL	9,013 (100%)	14,554 (100%)	15,622 (100%)	51,278 (100%)	79,253 (100%)	95,940 (100%)	114,866 (100%)

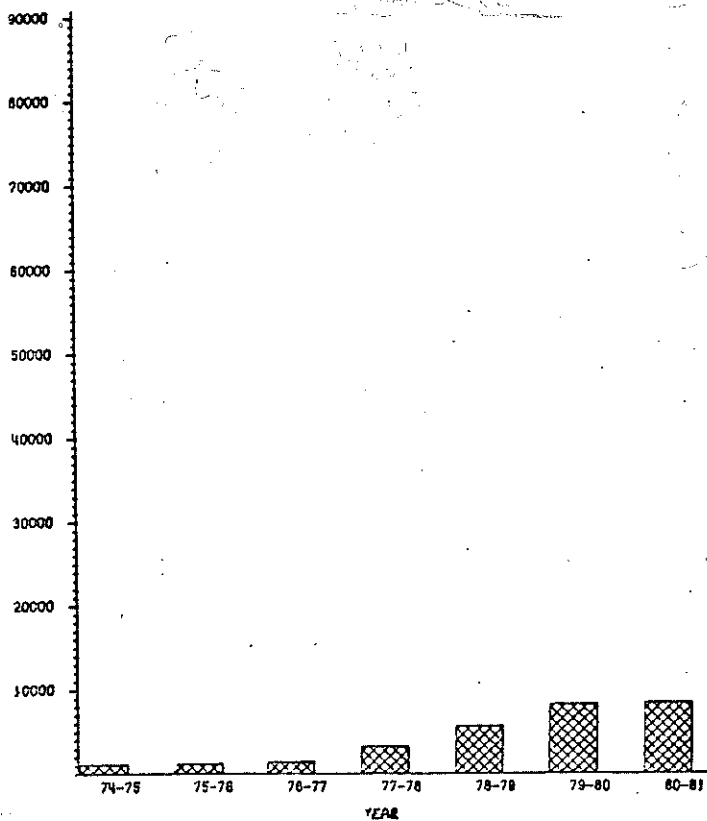
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY DESTINATION (thousand bu.)



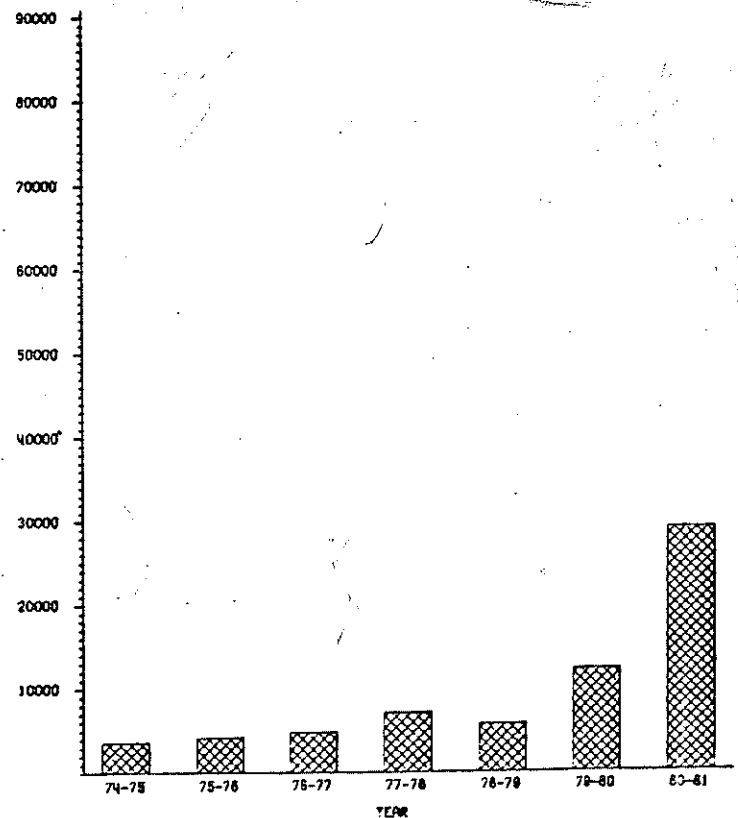
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



OTHER MINNESOTA

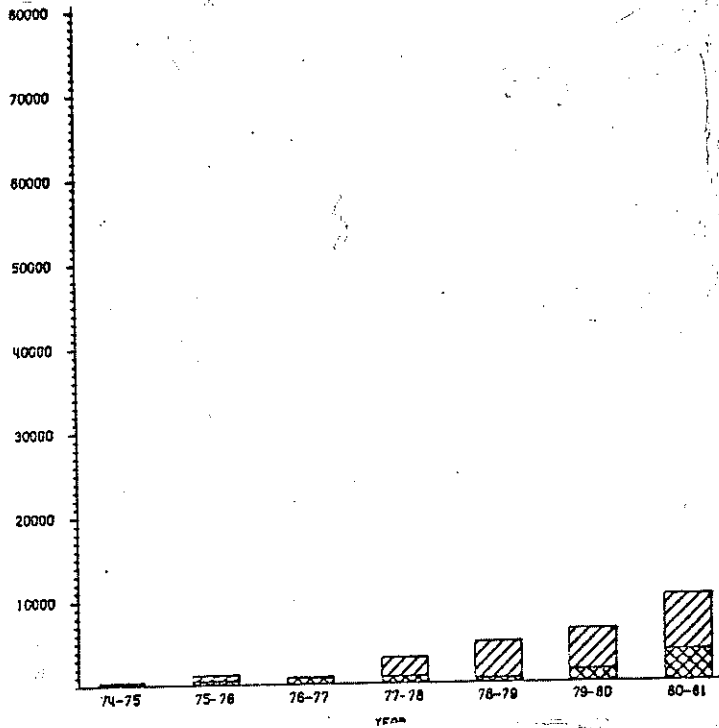


MISC. MARKETS

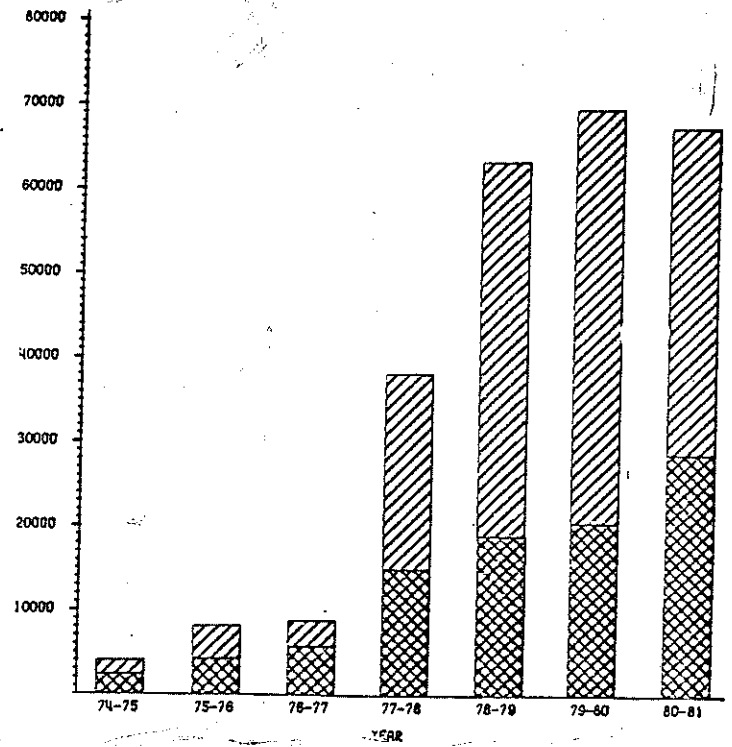
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

DESTINATION	1974-75		1975-76		1976-77		1977-78		1978-79		1979-80		1980-81	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)														
MINNEAPOLIS-ST. PAUL	190 (47%)	211 (53%)	510 (44%)	647 (56%)	700 (81%)	163 (19%)	770 (26%)	2,223 (74%)	489 (10%)	4,301 (90%)	1,395 (23%)	4,759 (77%)	3,621 (36%)	6,545 (64%)
DULUTH-SUPERIOR	2,271 (58%)	1,661 (42%)	4,155 (51%)	3,928 (49%)	5,598 (64%)	3,095 (36%)	14,820 (39%)	23,199 (61%)	18,830 (30%)	44,348 (70%)	20,419 (29%)	49,003 (71%)	28,607 (43%)	38,670 (57%)
OTHER MINNESOTA	232 (22%)	843 (78%)	279 (24%)	868 (76%)	256 (19%)	1,114 (81%)	367 (11%)	2,853 (89%)	465 (8%)	5,143 (92%)	144 (2%)	8,070 (98%)	357 (4%)	8,041 (96%)
MISC. MARKETS	1,646 (46%)	1,959 (54%)	1,947 (47%)	2,220 (53%)	1,966 (42%)	2,730 (58%)	2,614 (42%)	4,433 (58%)	1,708 (30%)	3,969 (70%)	5,329 (44%)	6,822 (56%)	13,165 (45%)	15,859 (55%)
TOTAL	4,339 (48%)	4,674 (52%)	6,891 (47%)	7,663 (53%)	8,520 (55%)	7,102 (45%)	18,571 (37%)	32,708 (63%)	21,492 (27%)	57,761 (73%)	27,287 (28%)	68,654 (72%)	45,750 (40%)	69,116 (60%)

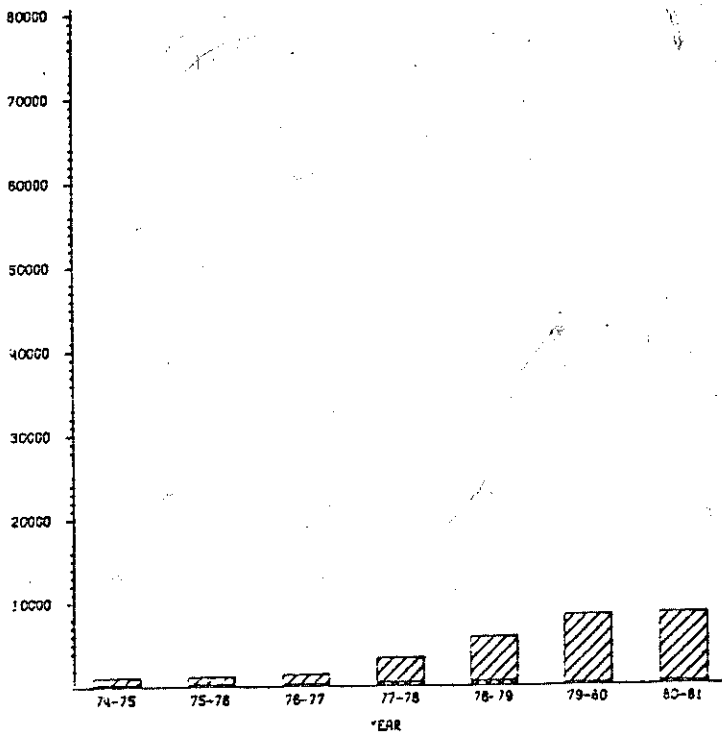
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION (thousand bu.)



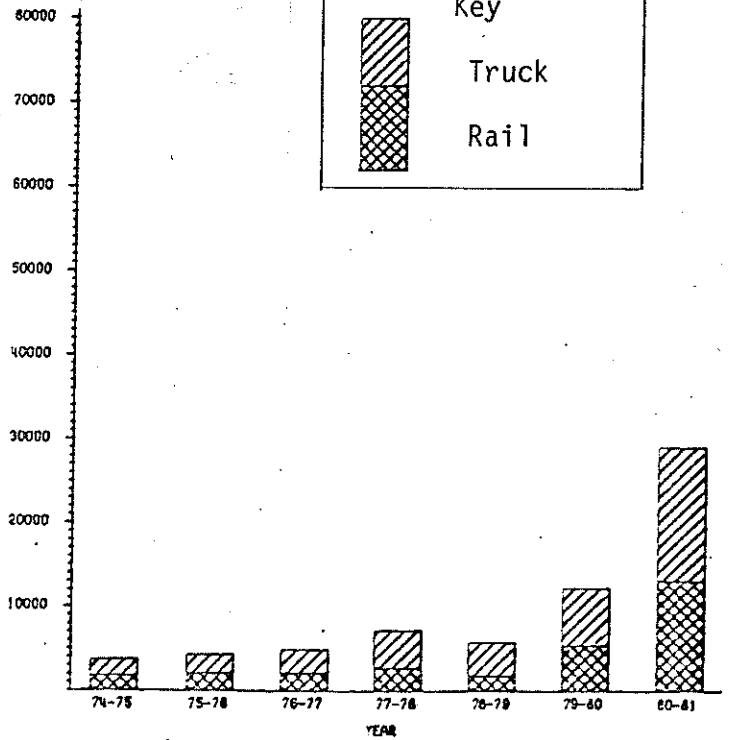
MINNEAPOLIS - ST. PAUL



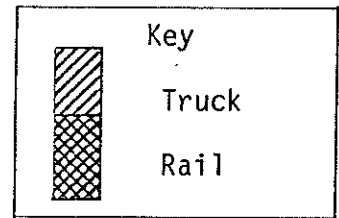
DULUTH - SUPERIOR



WEST



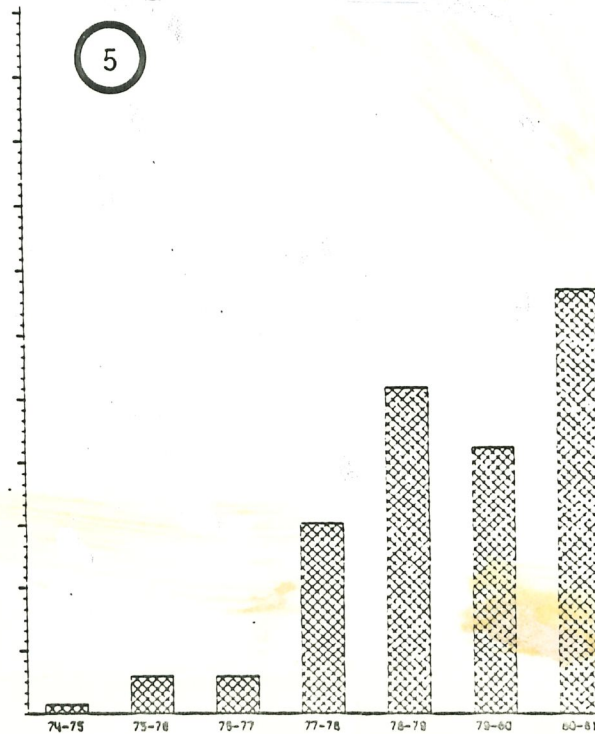
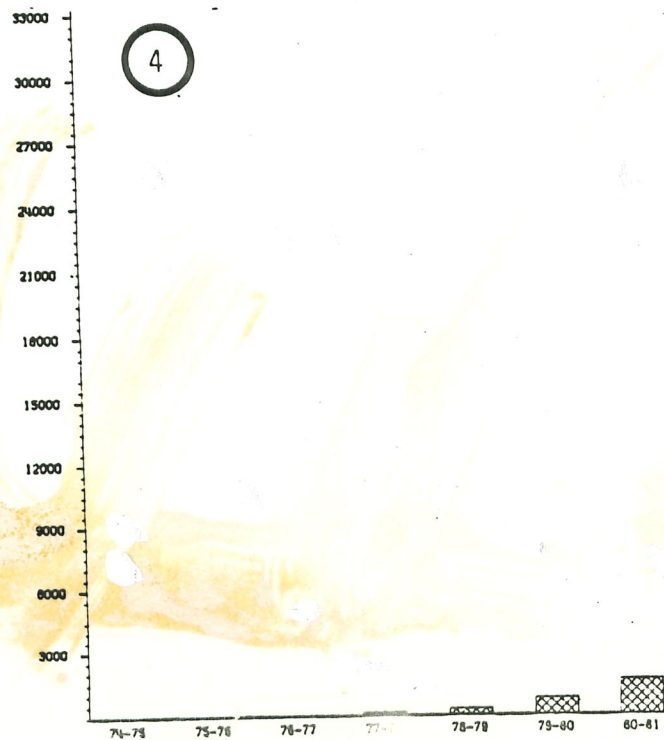
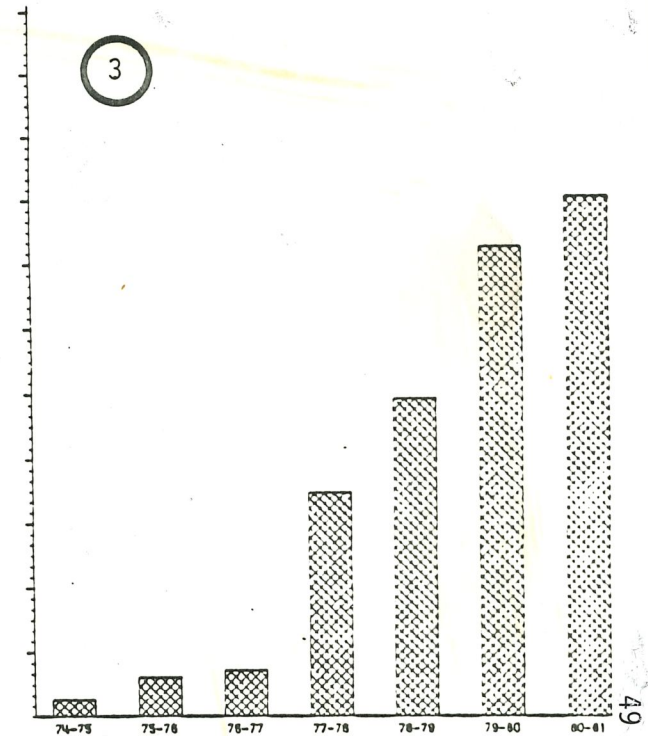
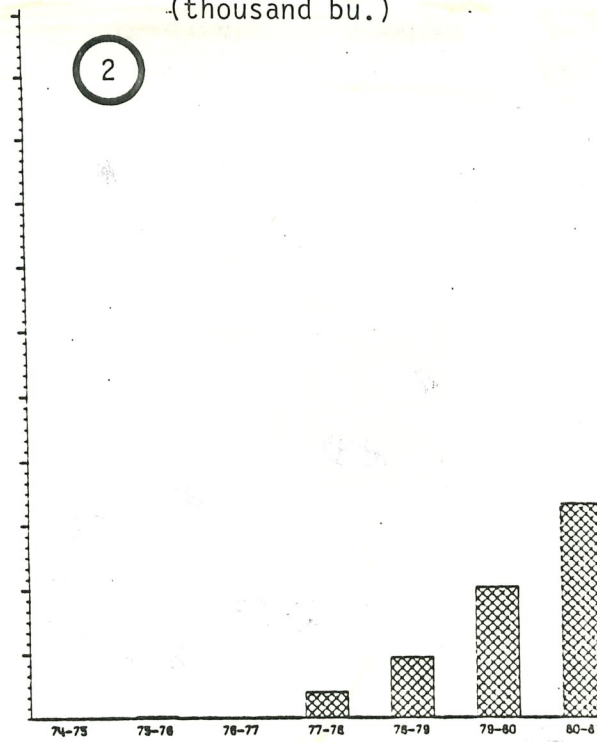
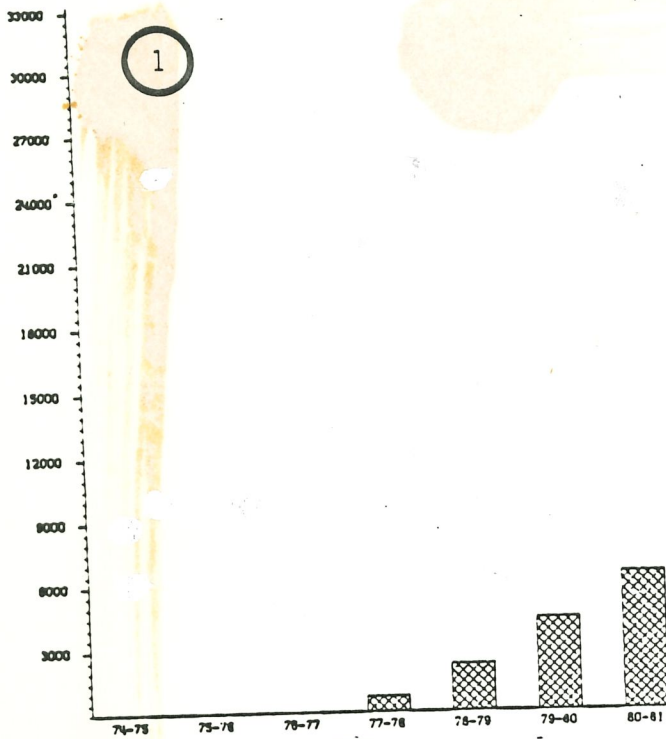
MISC. MARKETS



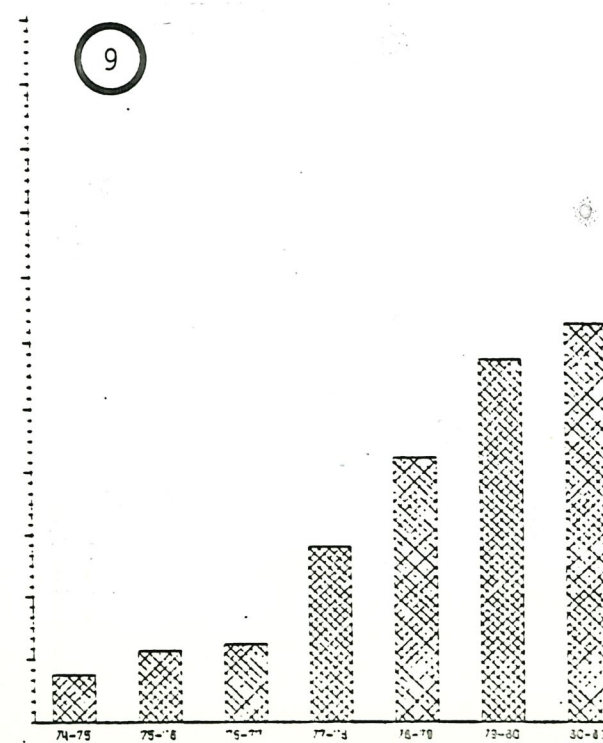
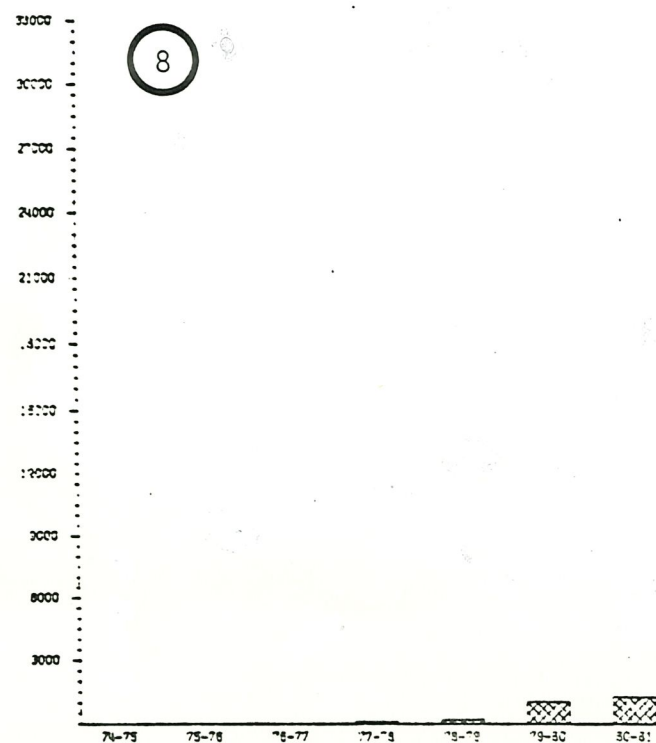
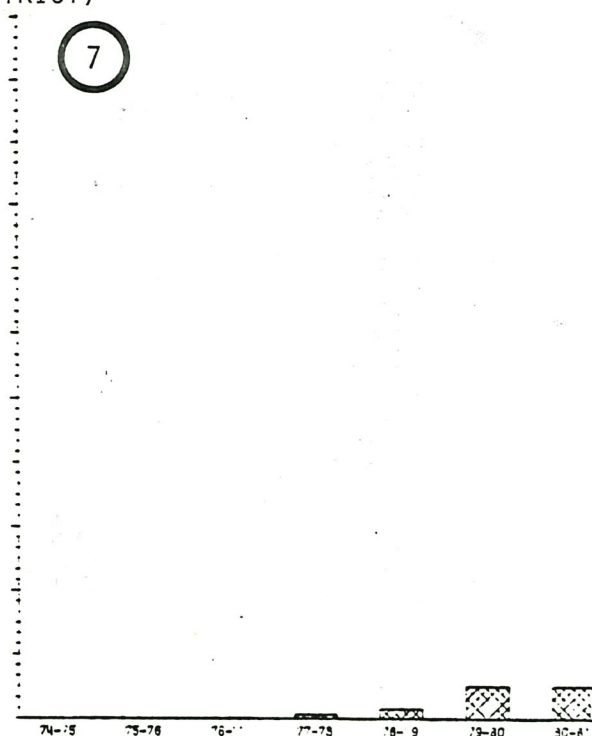
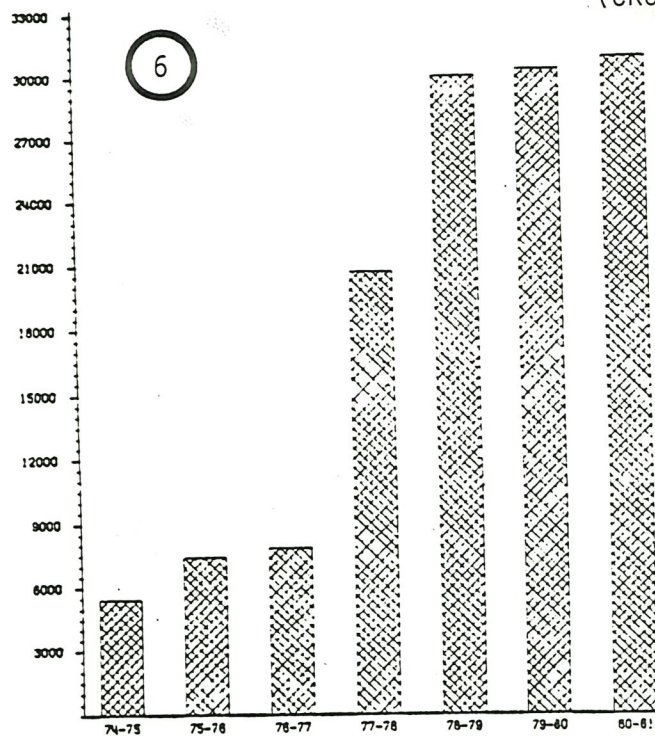
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)

CROP REPORTING DISTRICT	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
(thousand bu.)							
1	15	0	7	771	2,233	4,317	6,422
2	2	71	26	1,267	2,839	6,101	9,970
3	791	1,853	2,184	10,469	14,803	21,814	24,165
4	4	9	20	179	336	819	1,668
5	470	1,772	1,788	9,087	15,560	12,706	20,114
6	5,464	7,441	7,861	20,710	30,050	30,333	30,871
7	0	2	25	225	485	1,550	1,528
8	0	7	0	129	225	1,045	1,256
9	2,267	3,399	3,711	8,442	12,722	17,254	18,872
TOTAL	9,013	14,554	15,622	51,279	79,253	95,939	114,866

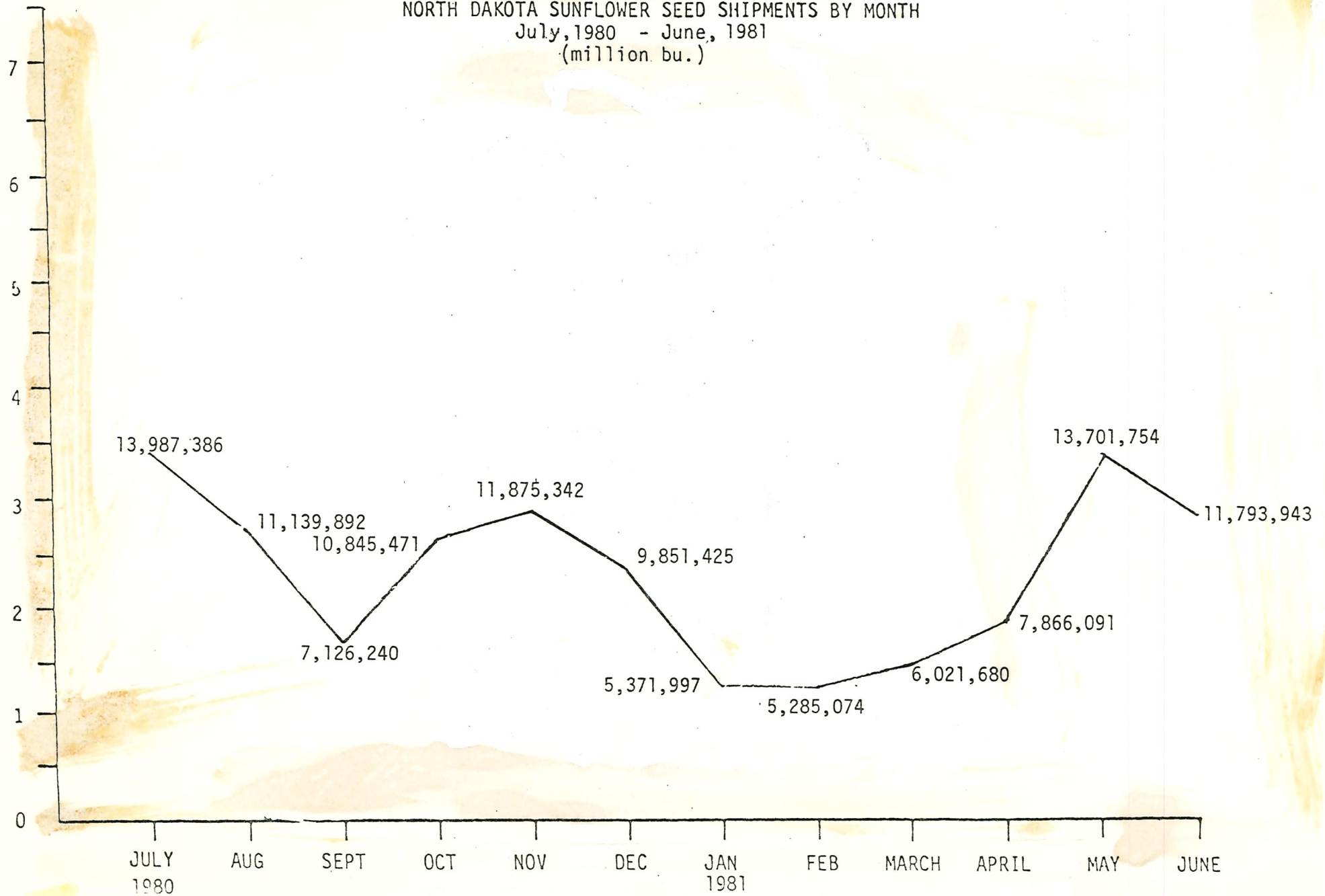
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)
(thousand bu.)



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



NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY MONTH
July, 1980 - June, 1981
(million bu.)

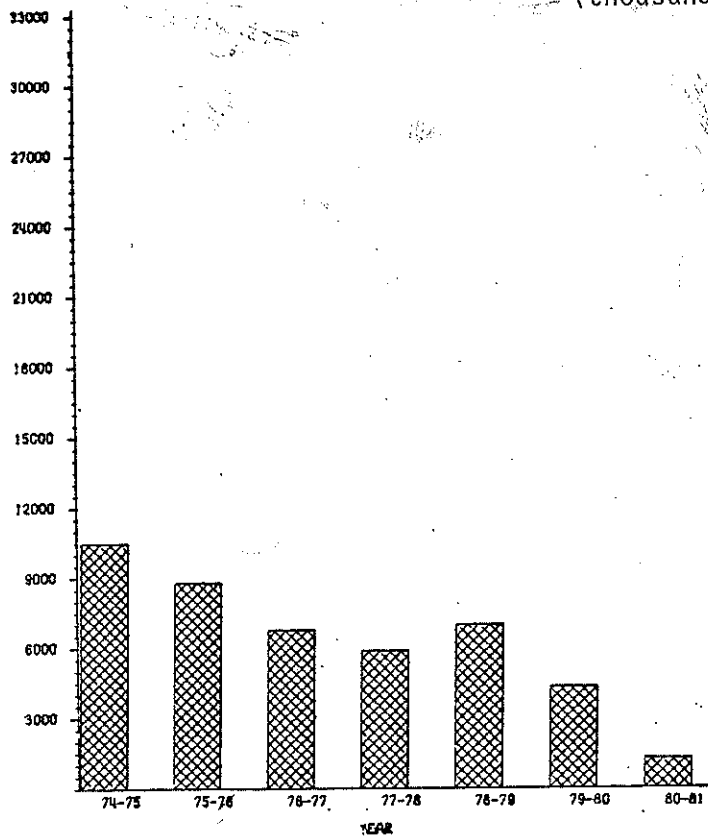


OATS MOVEMENTS

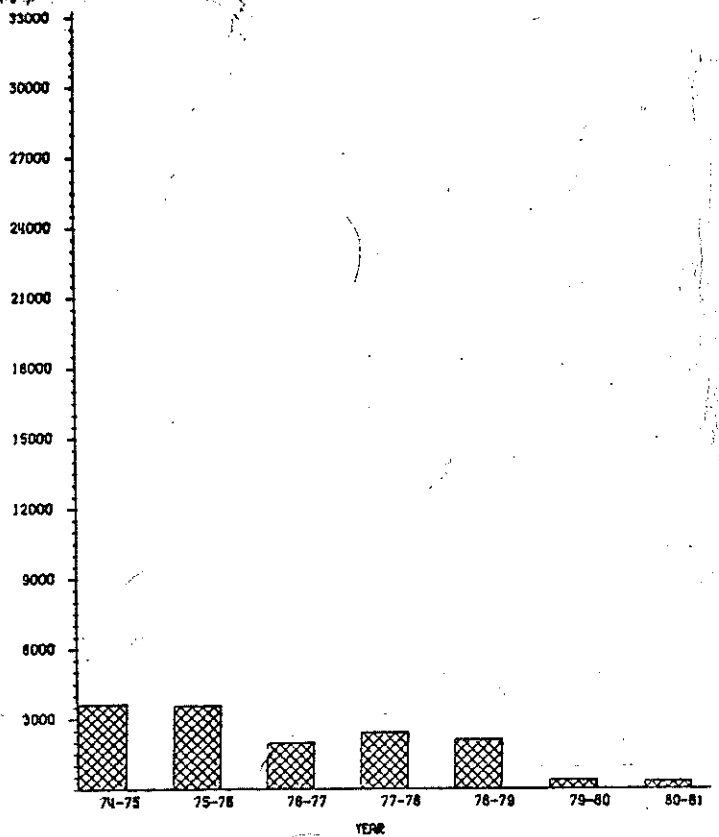
NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION

DESTINATION	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
	(thousand bu.)						
MINNEAPOLIS-ST. PAUL	10,439 (54%)	8,779 (58%)	6,769 (56%)	5,860 (56%)	6,969 (58%)	4,298 (54%)	1,269 (36%)
DULUTH-SUPERIOR	3,572 (19%)	3,531 (23%)	1,932 (16%)	2,385 (23%)	2,078 (17%)	346 (4%)	299 (8%)
WEST	3,446 (18%)	1,458 (10%)	1,427 (12%)	851 (8%)	1,200 (10%)	1,580 (20%)	936 (27%)
MISCELLANEOUS MARKETS	1,825 (9%)	1,334 (9%)	2,031 (17%)	1,396 (13%)	1,839 (15%)	1,735 (22%)	1,011 (29%)
TOTAL	19,282 (100%)	15,102 (100%)	12,159 (100%)	10,492 (100%)	12,086 (100%)	7,959 (100%)	3,515 (100%)

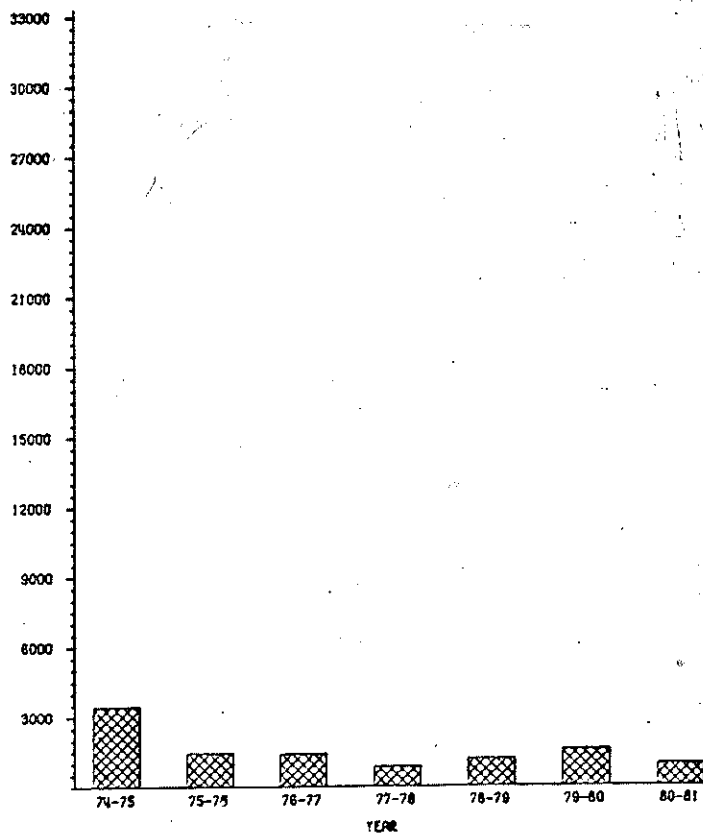
NORTH DAKOTA OATS SHIPMENTS BY DESTINATION (thousand bu.)



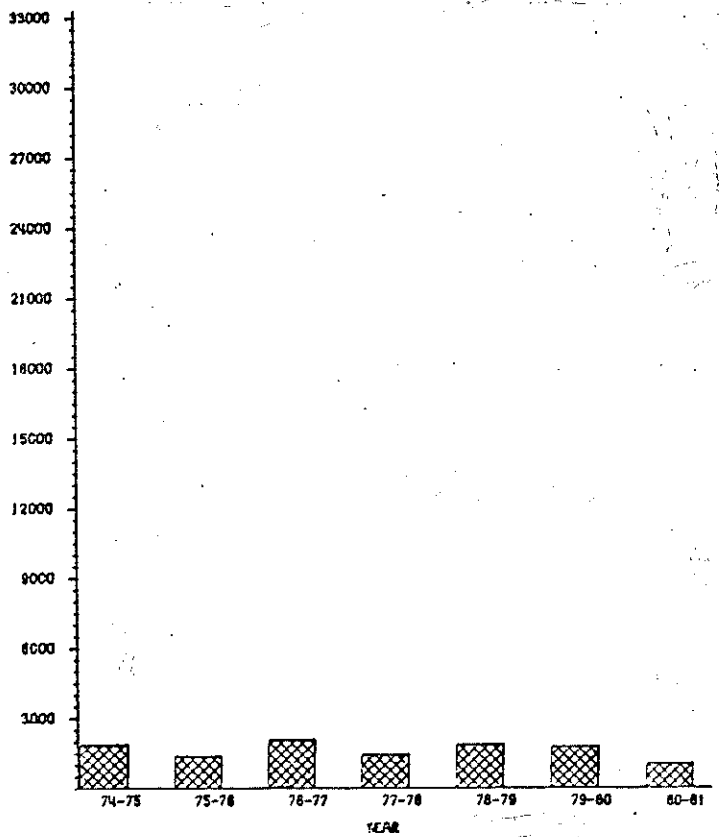
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

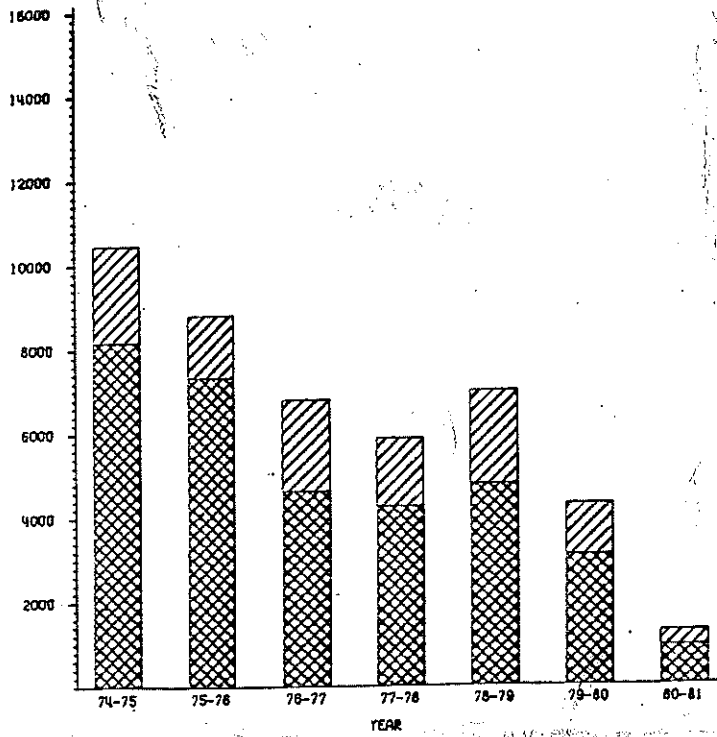


MISC. MARKETS

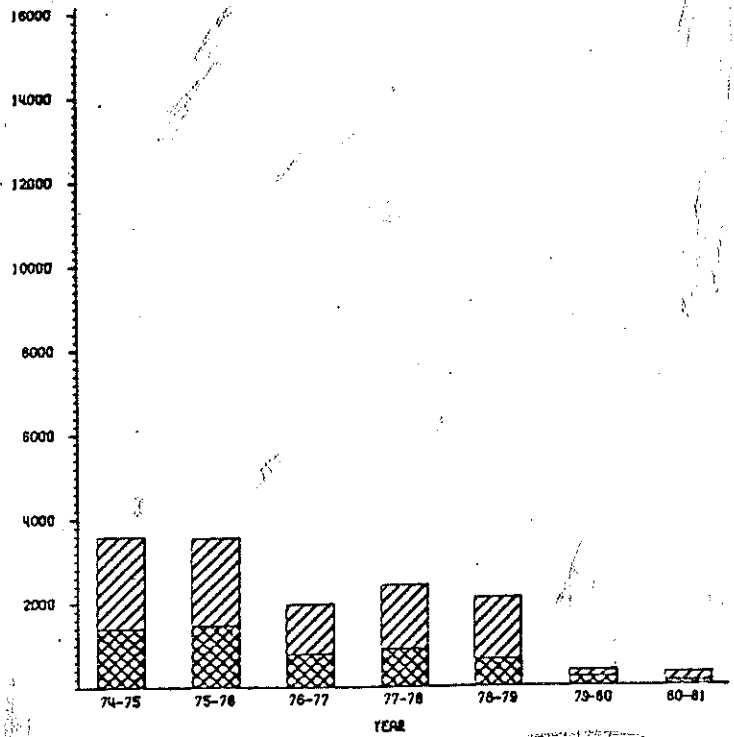
NORTH DAKOTA OATS SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

DESTINATION	1974-75		1975-76		1976-77		1977-78		1978-79		1979-80		1980-81	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)														
MINN.-ST. PAUL	8,148 (78%)	2,291 (22%)	7,300 (83%)	1,479 (17%)	4,602 (68%)	2,166 (32%)	4,244 (72%)	1,616 (28%)	4,767 (68%)	2,202 (32%)	3,077 (72%)	1,220 (28%)	913 (72%)	356 (28%)
DULUTH-SUPERIOR	1,373 (38%)	2,199 (62%)	1,442 (41%)	2,090 (59%)	761 (39%)	1,171 (61%)	869 (36%)	1,516 (64%)	623 (30%)	1,455 (70%)	184 (53%)	162 (47%)	99 (33%)	200 (67%)
WEST	319 (9%)	3,127 (91%)	92 (6%)	1,366 (94%)	121 (8%)	1,306 (92%)	12 (1%)	839 (99%)	185 (16%)	1,016 (84%)	91 (5%)	1,489 (95%)	11 (1%)	925 (99%)
MISC. MARKETS	316 (17%)	1,509 (83%)	304 (23%)	1,031 (77%)	231 (11%)	1,800 (89%)	255 (18%)	1,142 (82%)	252 (14%)	1,587 (86%)	338 (19%)	1,397 (81%)	74 (7%)	937 (93%)
TOTAL	10,156 (52%)	9,126 (47%)	9,138 (61%)	5,966 (39%)	5,715 (47%)	6,443 (53%)	5,380 (51%)	5,113 (49%)	5,827 (48%)	6,260 (52%)	3,690 (46%)	4,268 (54%)	1,097 (31%)	2,418 (69%)

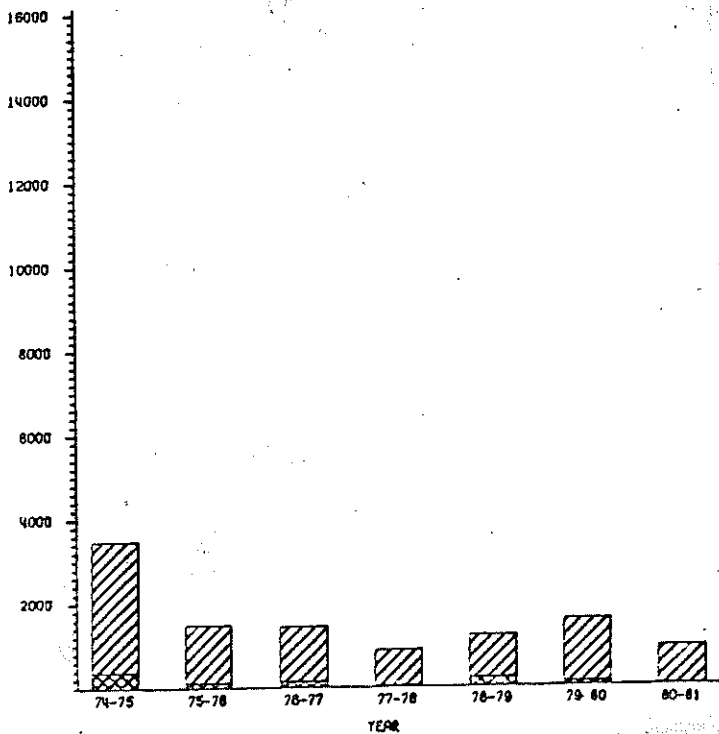
NORTH DAKOTA OATS SHIPMENTS BY RAIL AND TRUCK AND DESTINATION (thousand bu.)



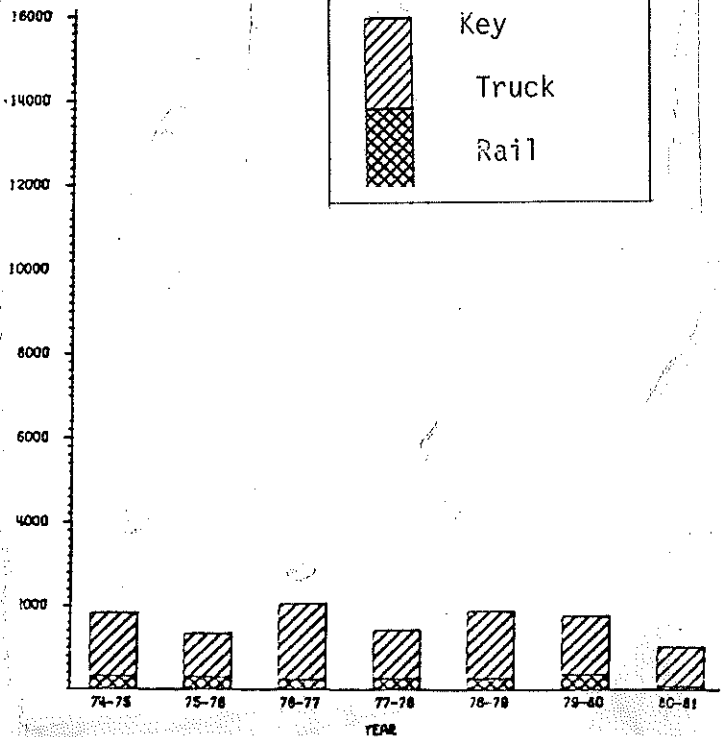
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST



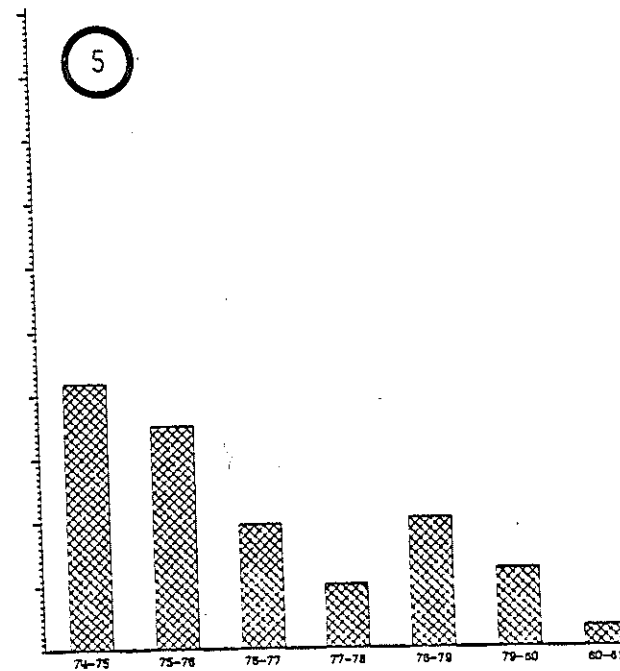
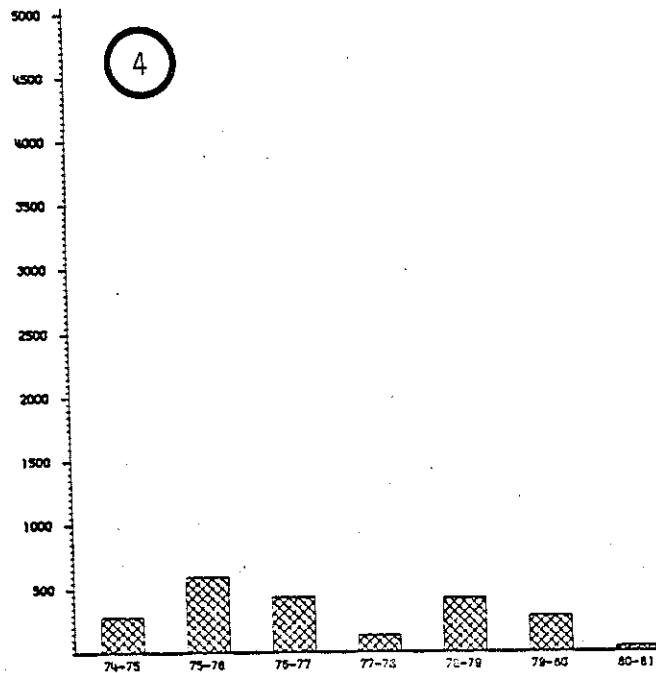
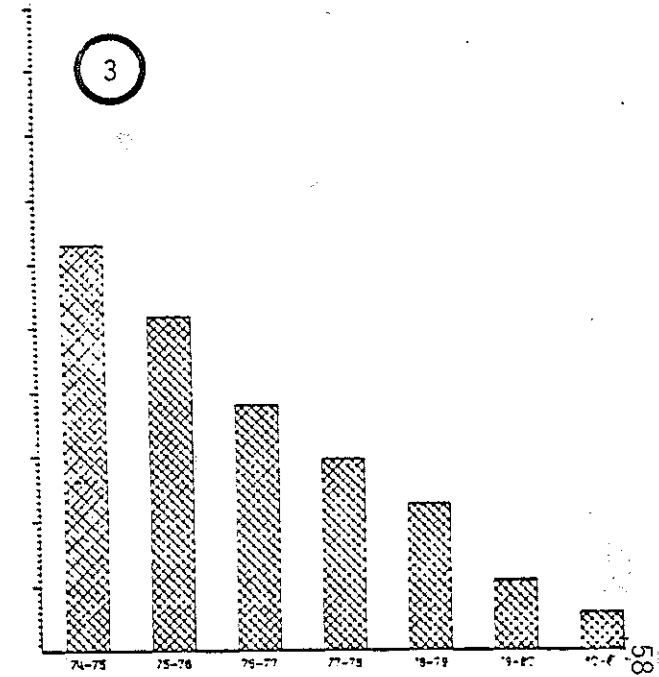
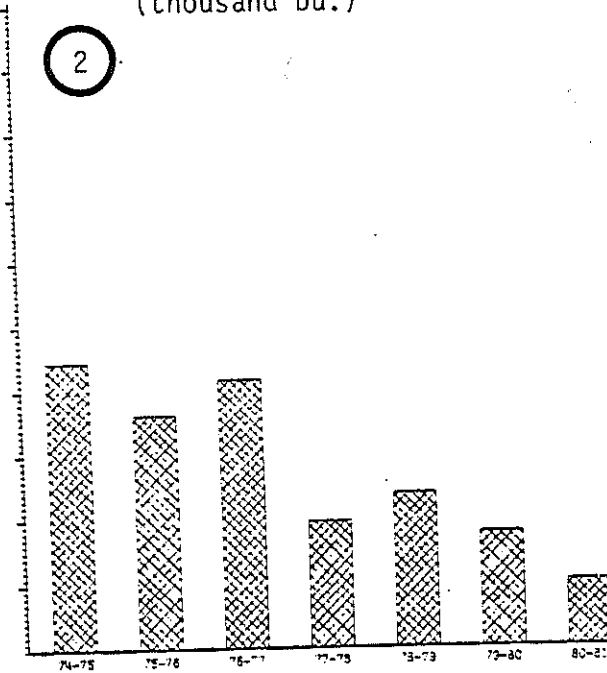
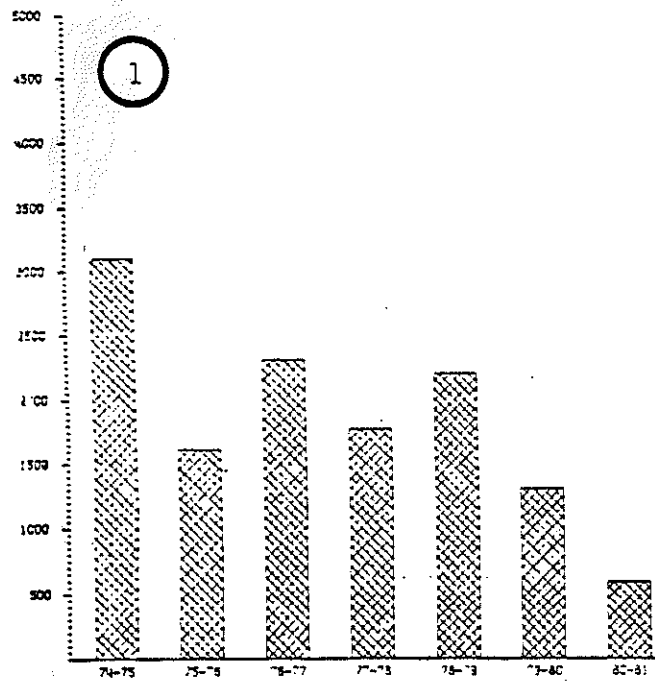
MISC. MARKETS

Key
Truck
Rail

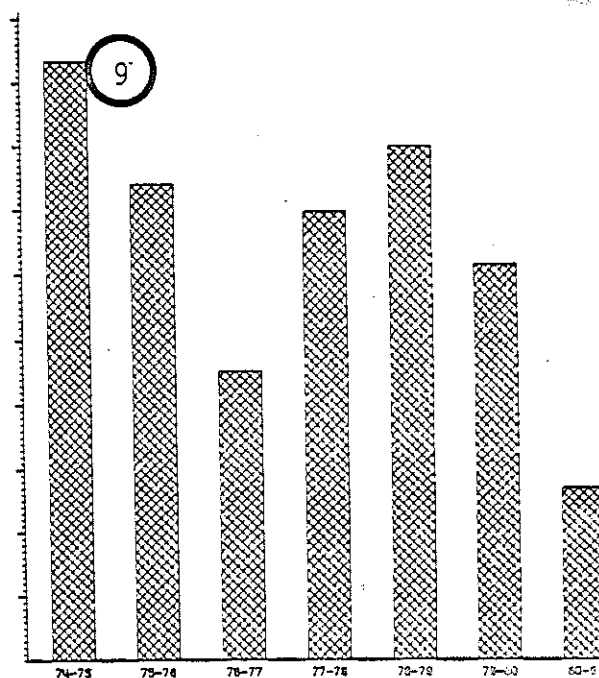
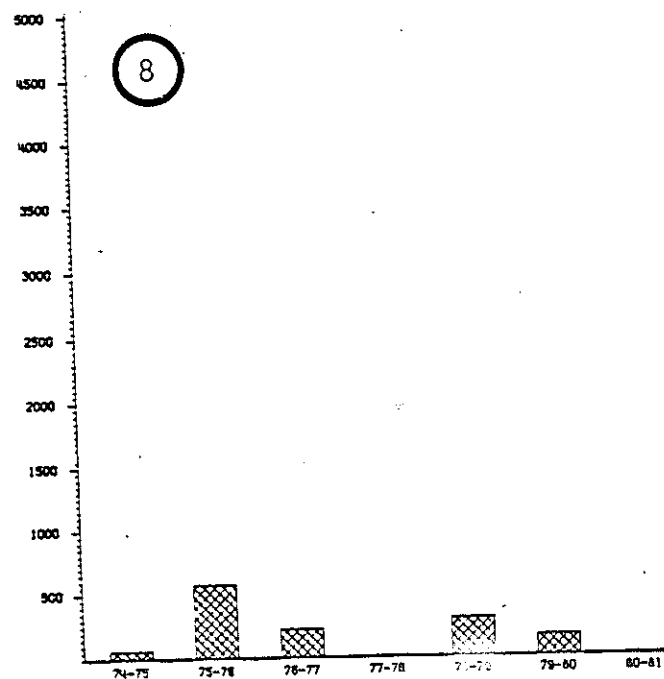
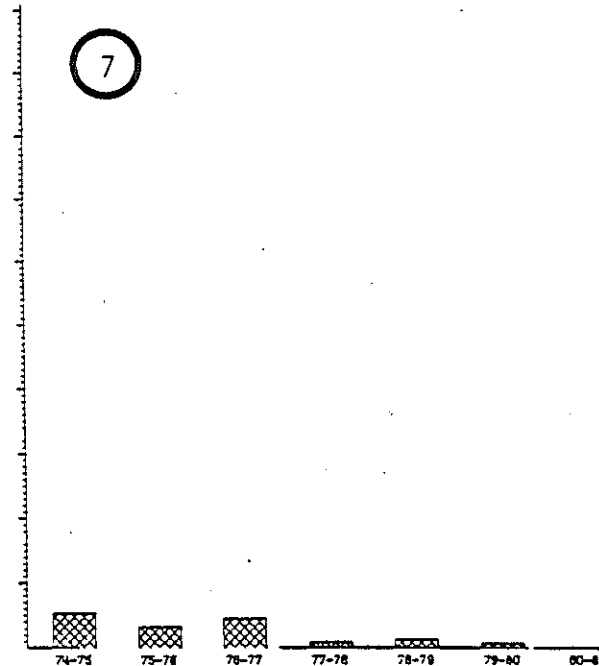
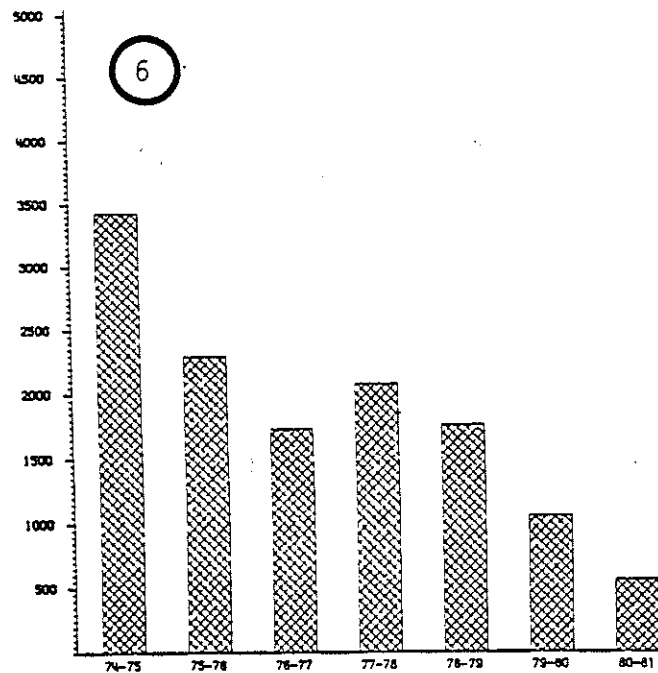
NORTH DAKOTA OATS SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

CROP REPORTING DISTRICT	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
(thousand bu.)							
1	3,103	1,613	2,309	1,769	2,200	1,305	590
2	2,221	1,806	2,081	974	1,184	875	502
3	3,153	2,590	1,904	1,485	1,132	544	292
4	283	596	436	137	425	282	42
5	2,095	1,757	976	507	1,016	619	167
6	3,426	2,297	1,733	2,077	1,760	1,057	558
7	266	163	225	47	68	38	4
8	65	573	226	7	301	159	8
9	4,668	3,709	2,269	3,490	4,002	3,079	1,352
TOTAL	19,280	15,102	12,159	10,493	12,086	7,958	3,515

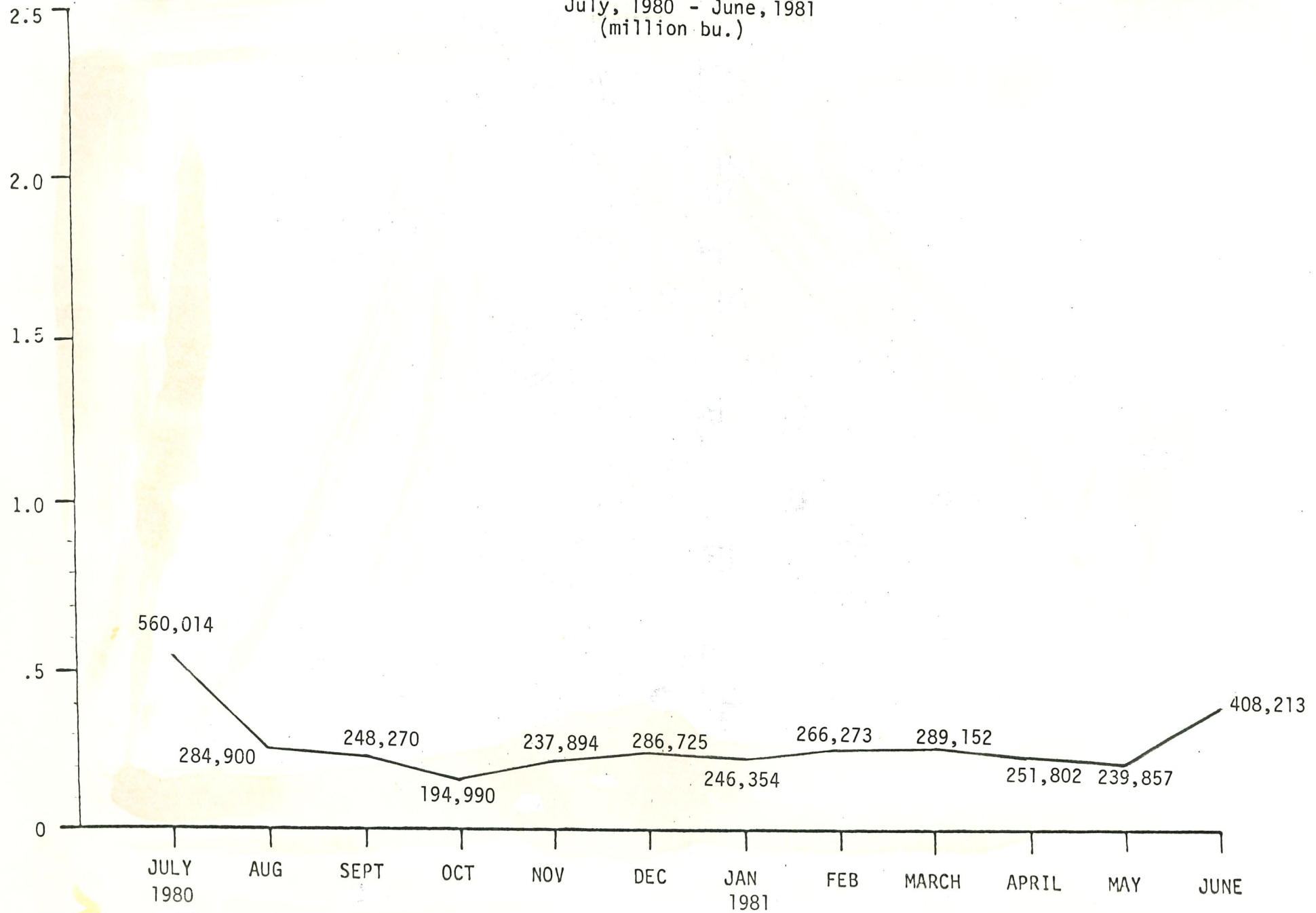
NORTH DAKOTA OATS SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)
(thousand bu.)



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



NORTH DAKOTA OATS SHIPMENTS BY MONTH
July, 1980 - June, 1981
(million bu.)

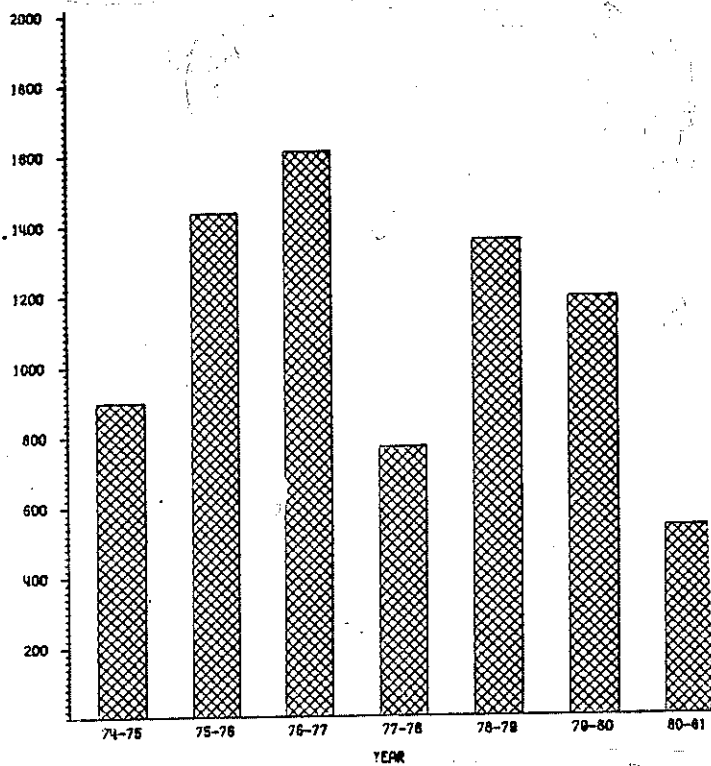


RYE MOVEMENTS

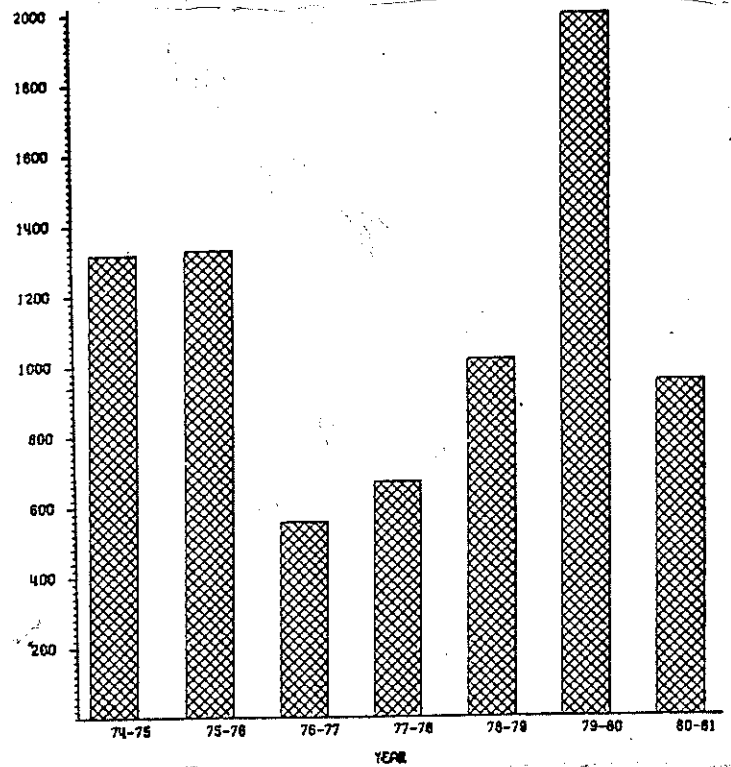
NORTH DAKOTA RYE SHIPMENTS
BY DESTINATION

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

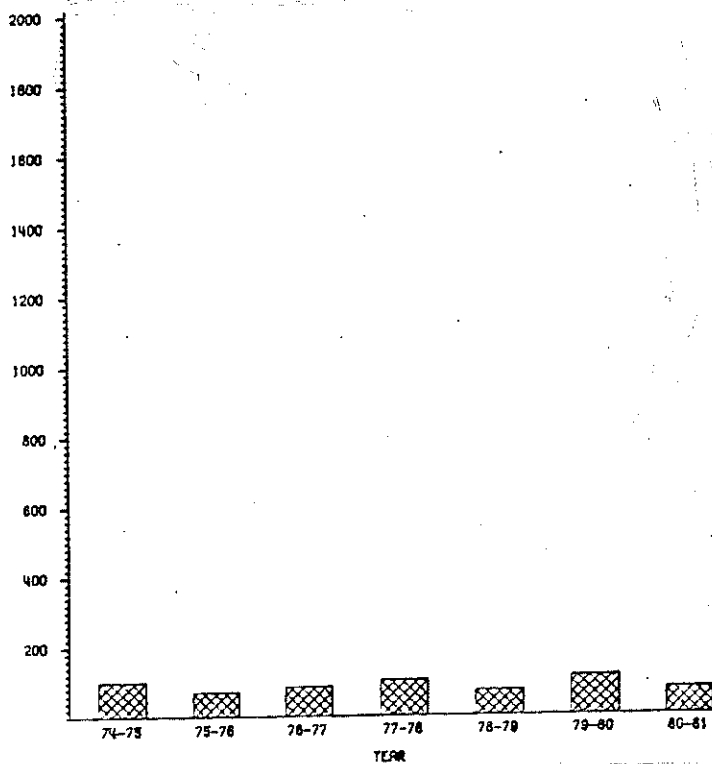
NORTH DAKOTA RYE SHIPMENTS BY DESTINATION (thousand bu.)



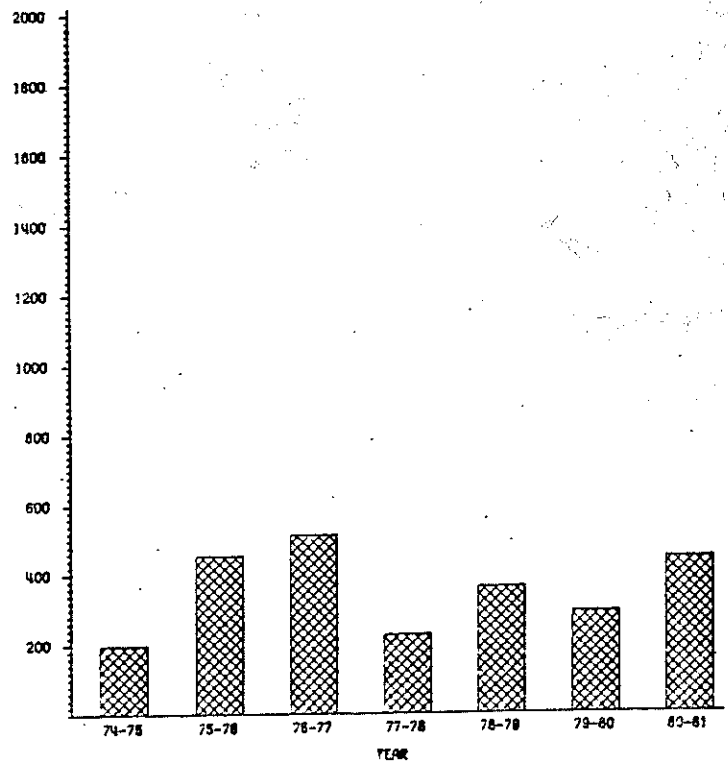
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

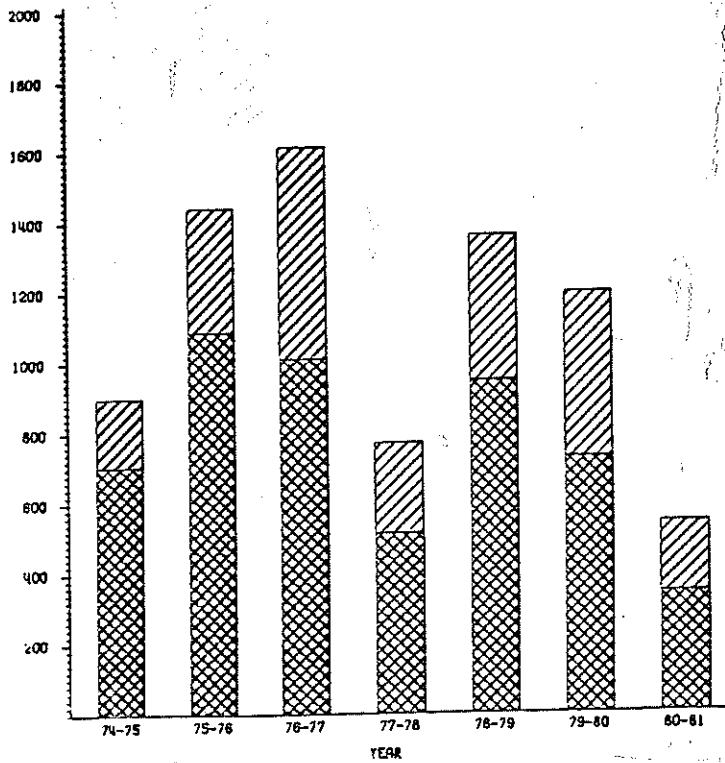


MISC. MARKETS

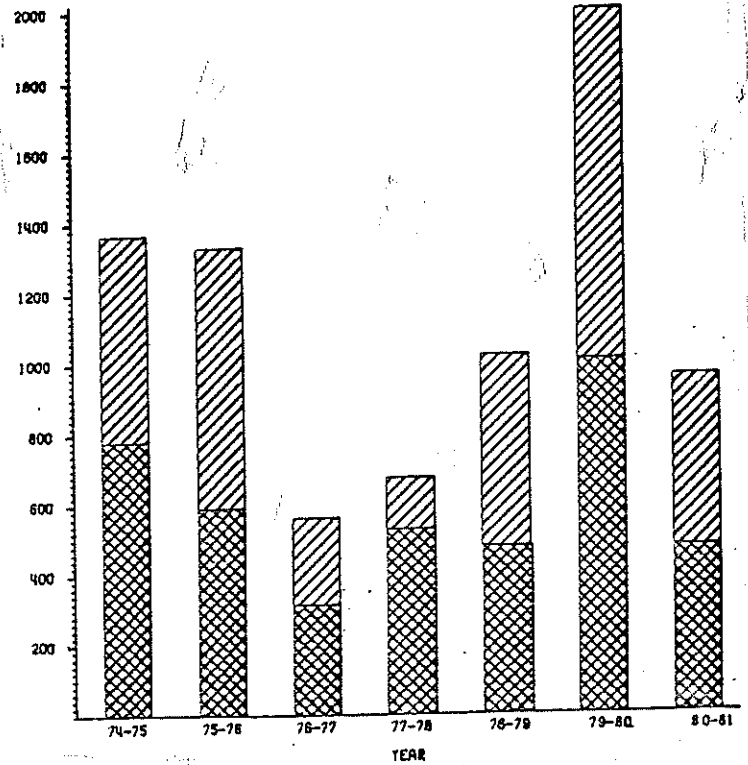
NORTH DAKOTA RYE SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

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

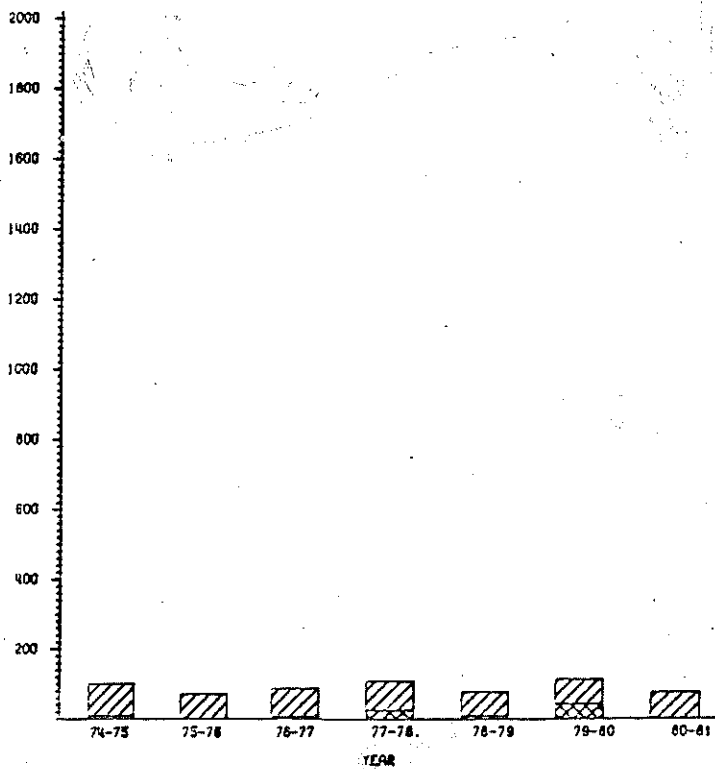
NORTH DAKOTA RYE SHIPMENTS BY RAIL AND TRUCK AND DESTINATION (thousand bu.)



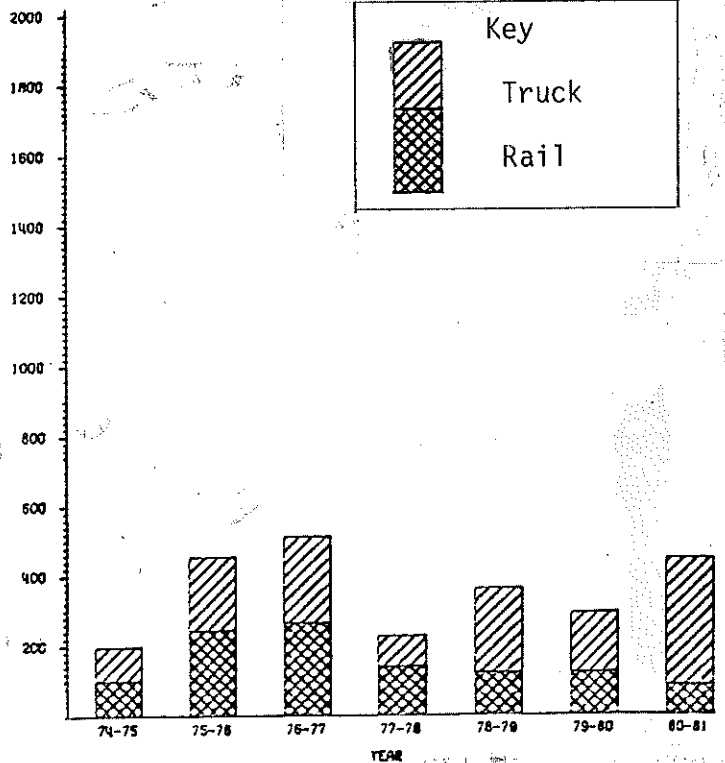
MINNEAPOLIS - ST. PAUL



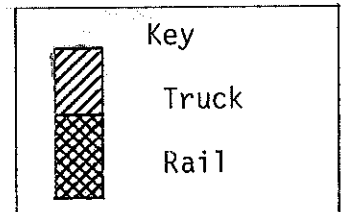
DULUTH - SUPERIOR



WEST



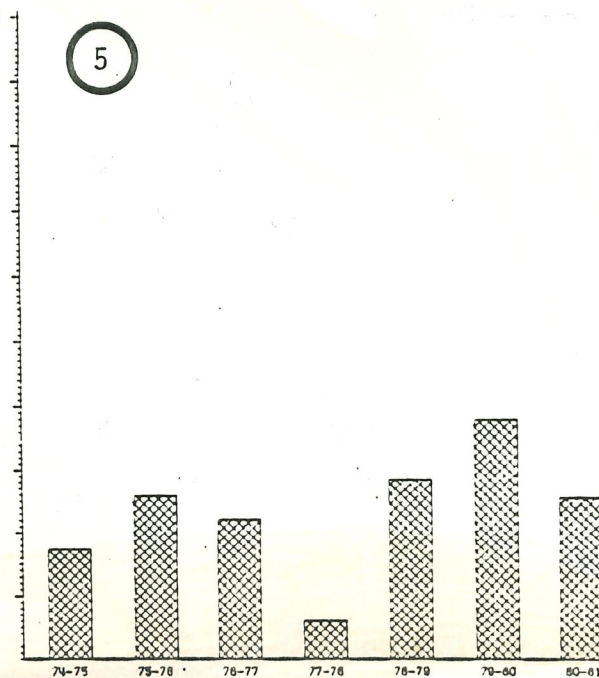
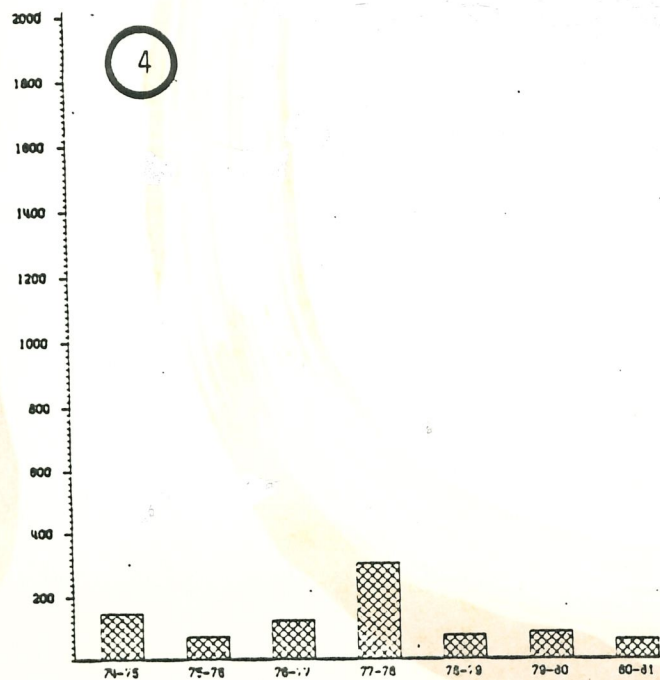
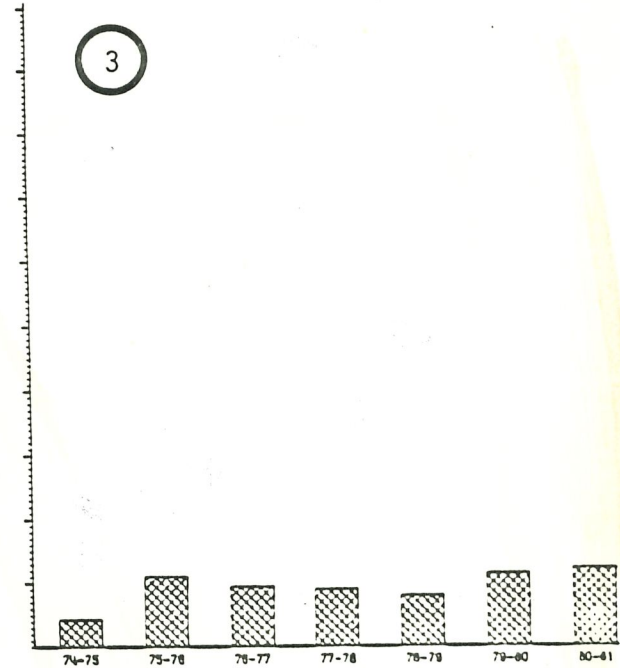
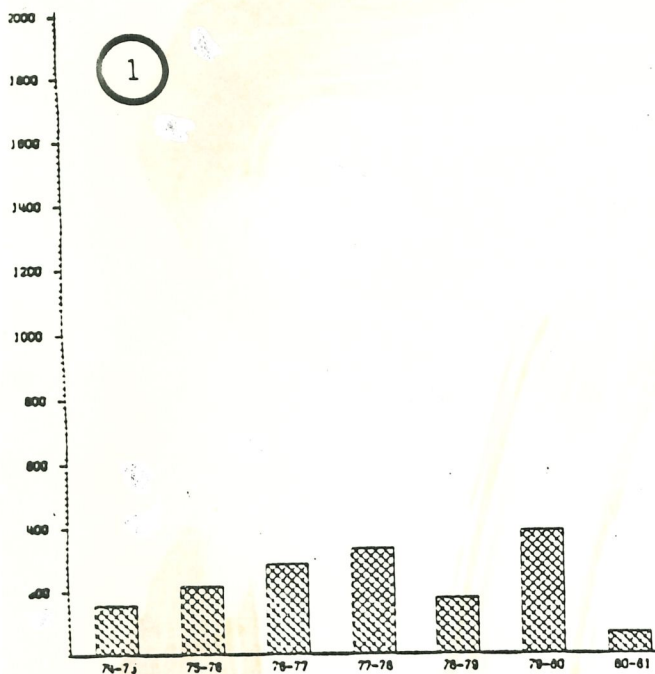
MISC. MARKETS



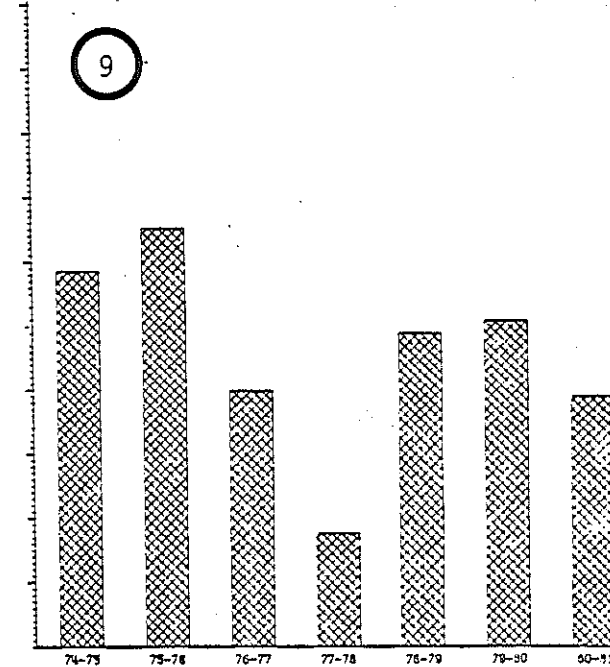
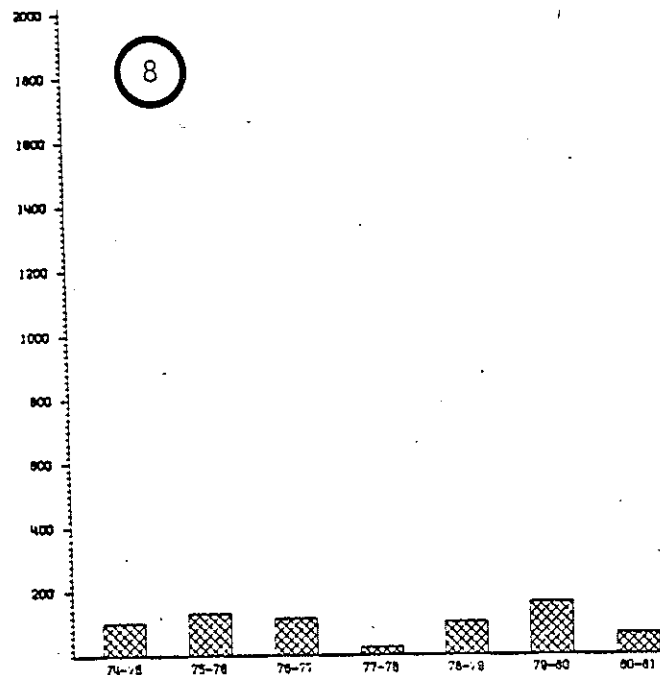
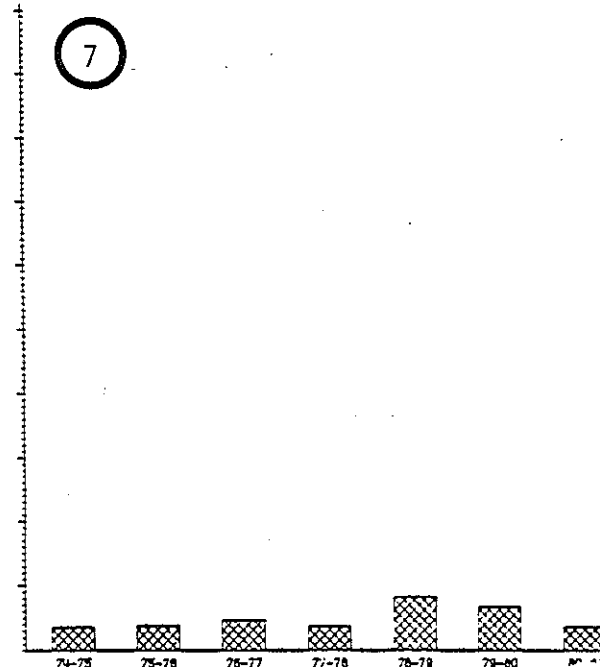
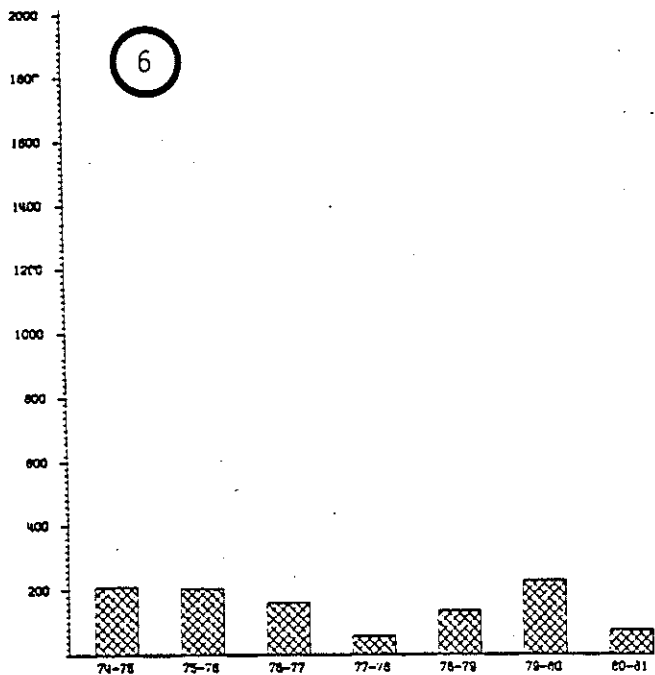
NORTH DAKOTA RYE SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)

CROP REPORTING DISTRICT	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
(thousand bu.)							
1	159	218	285	334	177	388	68
2	221	541	557	315	442	587	134
3	87	222	189	181	160	230	247
4	147	71	124	304	75	86	61
5	347	518	444	122	570	760	512
6	209	206	161	59	136	229	76
7	71	77	93	75	165	135	74
8	103	134	118	27	104	164	67
9	1,170	1,305	799	355	982	1,020	781
TOTAL	2,514	3,292	2,770	1,772	2,811	3,599	2,020

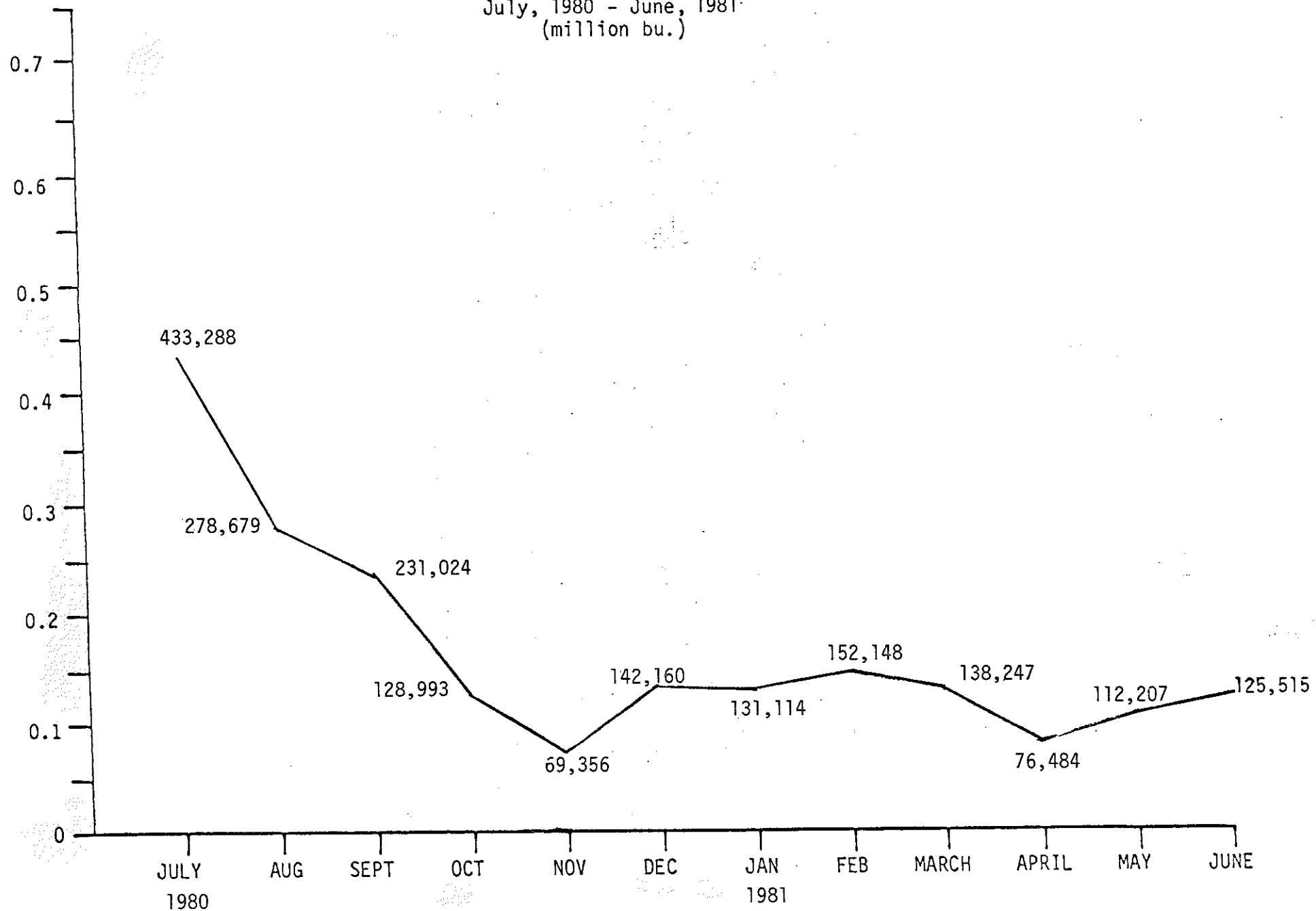
NORTH DAKOTA RYE SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)
(thousand bu.)



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



NORTH DAKOTA RYE SHIPMENTS BY MONTH
July, 1980 - June, 1981
(million bu.)

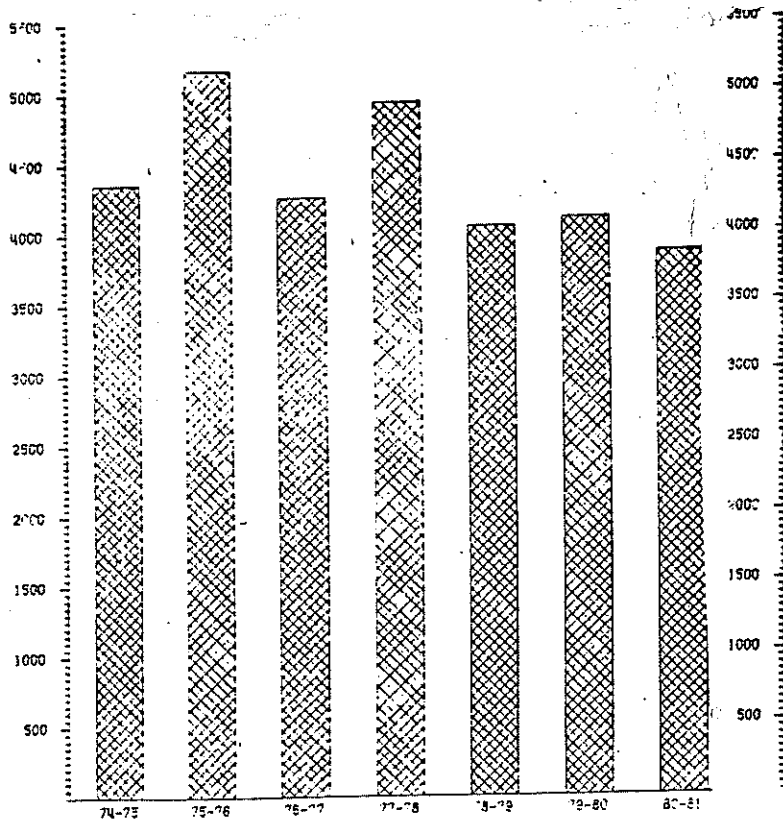


FLAXSEED MOVEMENTS

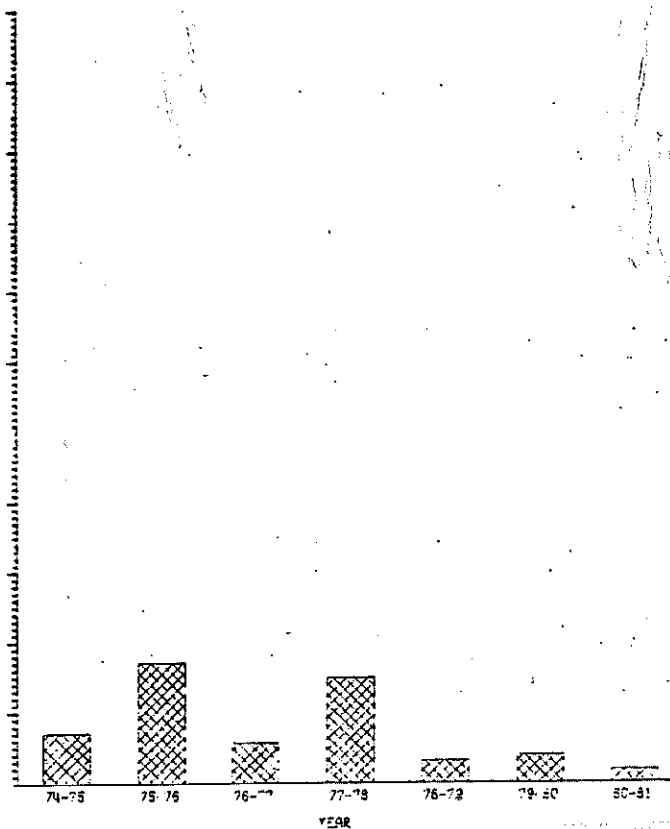
NORTH DAKOTA FLAXSEED SHIPMENTS BY DESTINATION

DESTINATION	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
	(thousand bu.)						
MINNEAPOLIS-ST. PAUL	4,354 (82%)	5,170 (78%)	4,260 (87%)	4,941 (80%)	4,054 (89%)	4,114 (90%)	3,874 (93%)
DULUTH-SUPERIOR	346 (7%)	855 (13%)	284 (6%)	748 (12%)	153 (3%)	195 (4%)	89 (2%)
WEST	69 (1%)	60 (1%)	59 (1%)	72 (1%)	21 (1%)	10 (1%)	14 (1%)
MISCELLANEOUS MARKETS	531 (10%)	505 (8%)	279 (6%)	413 (7%)	313 (7%)	263 (6%)	199 (5%)
TOTAL	5,300 (100%)	6,590 (100%)	4,882 (100%)	6,174 (100%)	4,541 (100%)	4,582 (100%)	4,176 (100%)

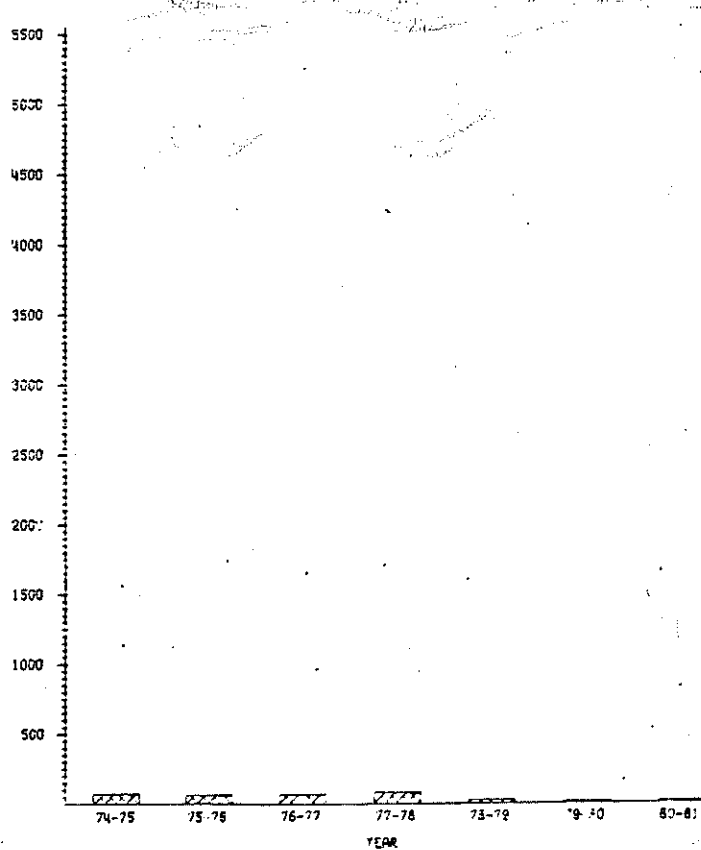
72
NORTH DAKOTA FLAXSEED SHIPMENTS
BY DESTINATION
(thousand bu.)



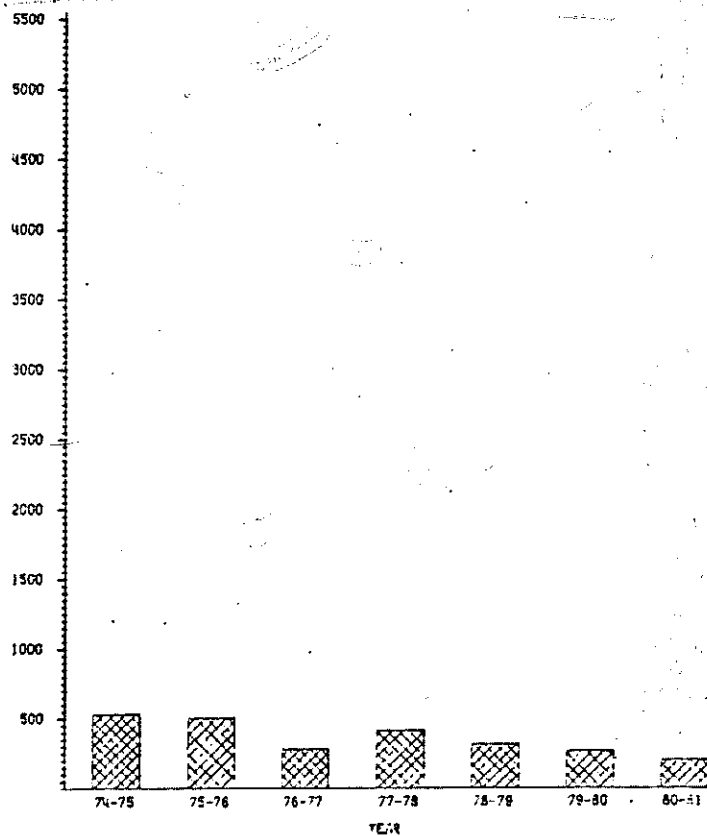
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

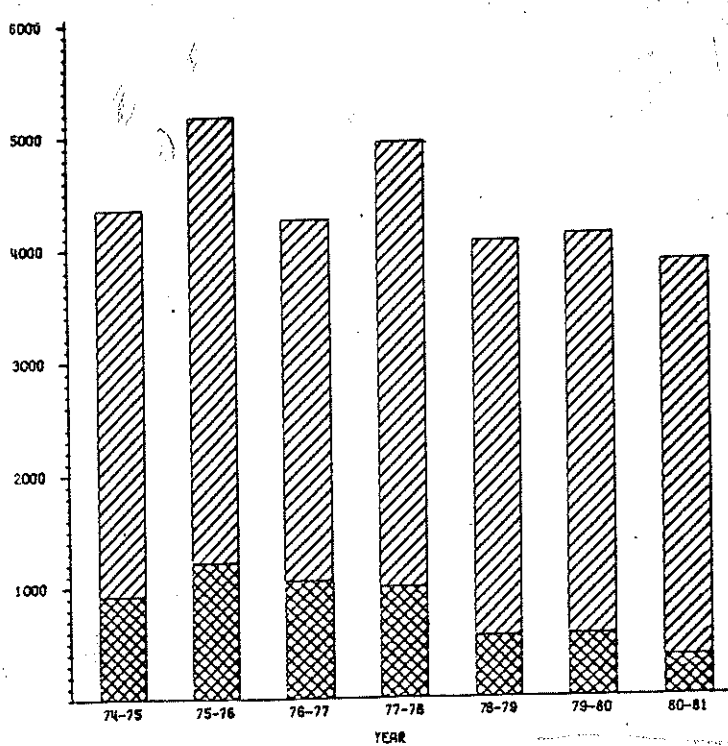


MISC. MARKETS

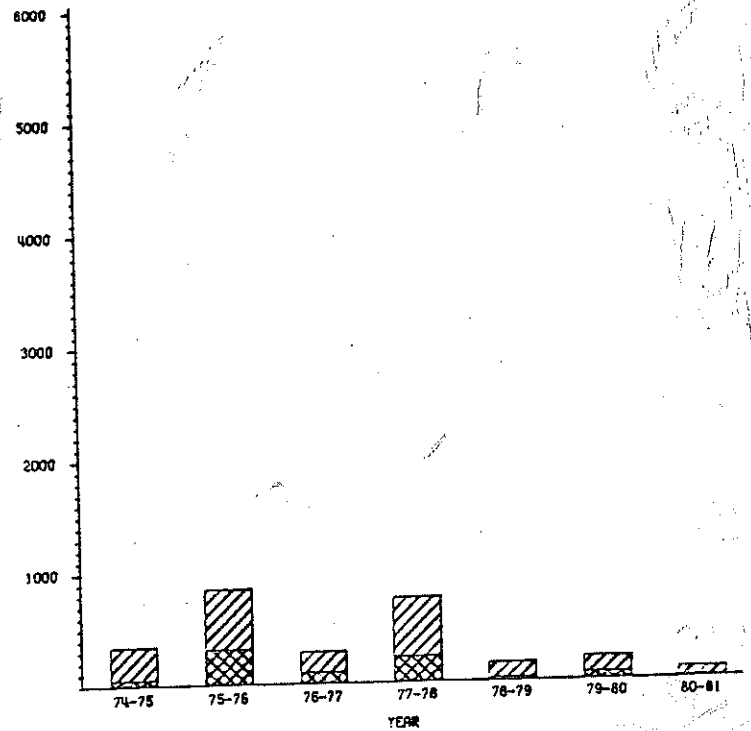
NORTH DAKOTA FLAXSEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

DESTINATION	1974-75		1975-76		1976-77		1977-78		1978-79		1979-80		1980-81	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
	(thousand bu.)													
MINN.-ST. PAUL	915 (21%)	3,439 (79%)	1,213 (23%)	3,957 (77%)	1,046 (25%)	3,214 (75%)	987 (20%)	3,954 (80%)	541 (13%)	3,513 (87%)	555 (13%)	3,558 (87%)	358 (9%)	3,516 (91%)
DULUTH-SUPERIOR	55 (16%)	291 (84%)	317 (37%)	538 (63%)	102 (36%)	183 (64%)	226 (30%)	522 (70%)	18 (12%)	135 (88%)	53 (27%)	141 (73%)	7 (8%)	82 (92%)
WEST	0 (0%)	69 (100%)	0 (0%)	60 (100%)	0 (0%)	59 (100%)	0 (0%)	72 (100%)	2 (10%)	19 (90%)	0 (0%)	10 (100%)	0 (0%)	14 (100%)
MISC. MARKETS	78 (15%)	453 (85%)	31 (6%)	474 (94%)	206 (74%)	74 (26%)	74 (18%)	339 (82%)	32 (10%)	281 (90%)	45 (17%)	218 (83%)	100 (50%)	99 (50%)
TOTAL	1,048 (20%)	4,252 (80%)	1,561 (24%)	5,029 (76%)	1,354 (28%)	3,530 (72%)	1,287 (21%)	4,887 (79%)	593 (15%)	3,948 (85%)	653 (14%)	3,927 (86%)	465 (11%)	3,711 (89%)

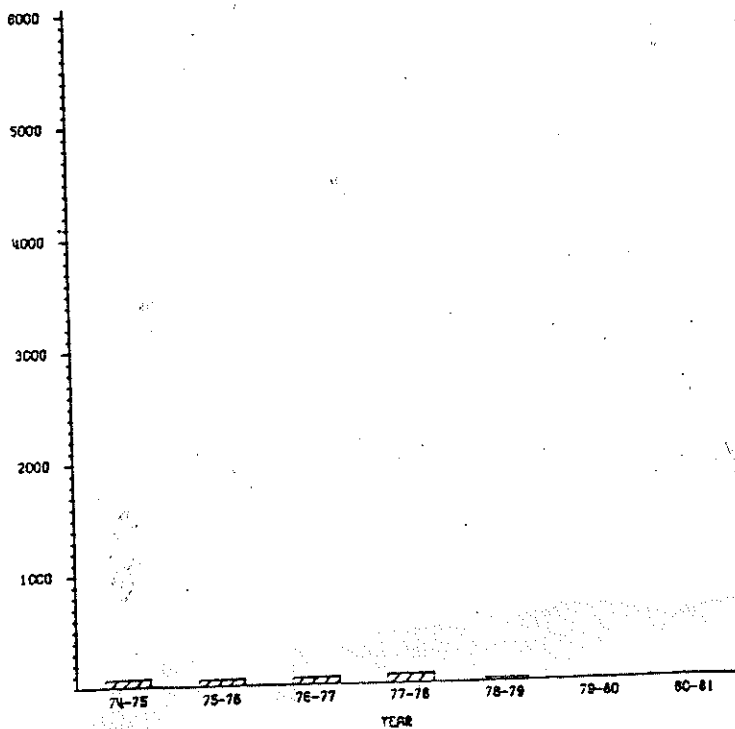
NORTH DAKOTA FLAXSEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION (thousand bu.)



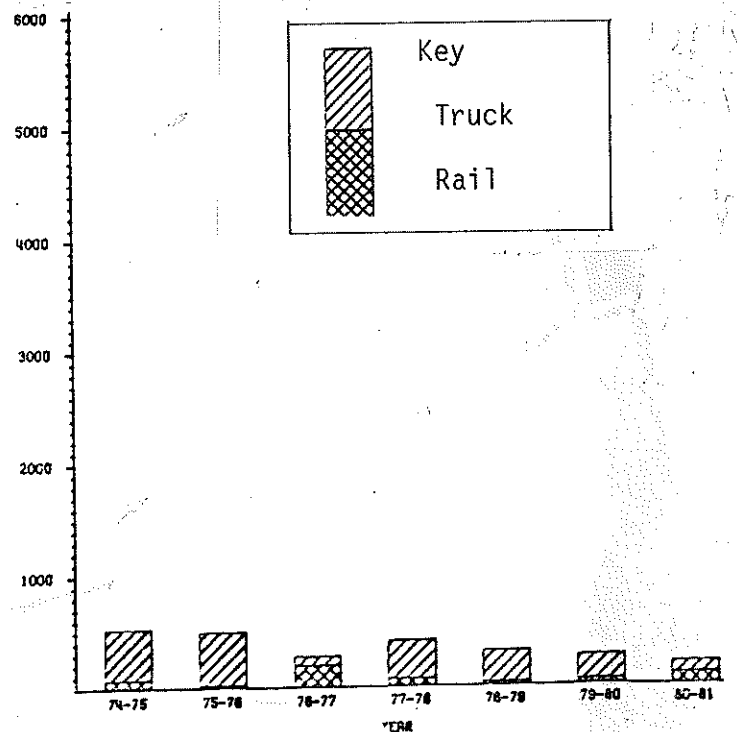
MINNEAPOLIS - ST. PAUL



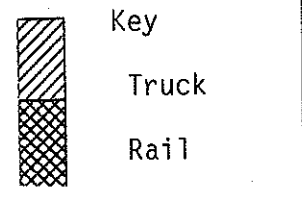
DULUTH - SUPERIOR



WEST



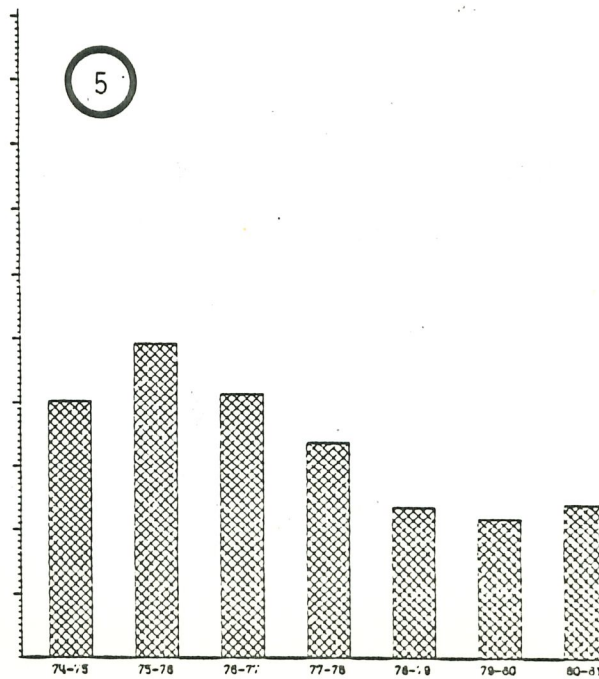
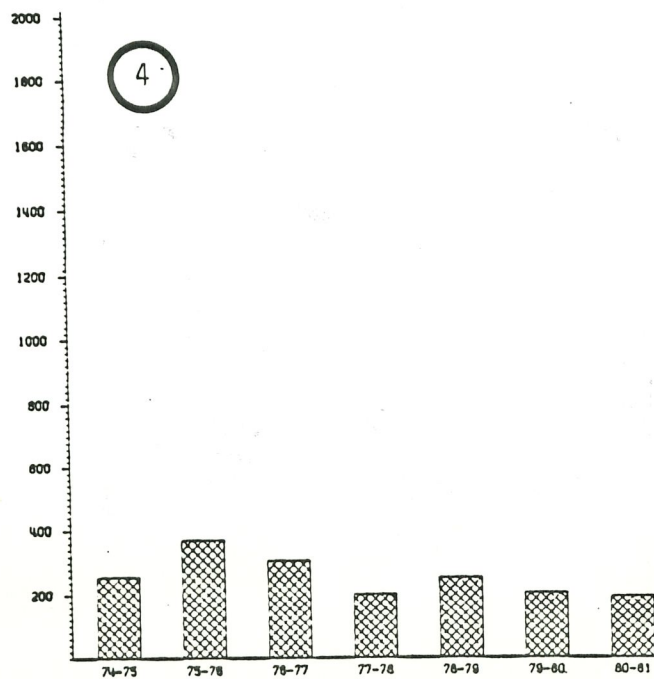
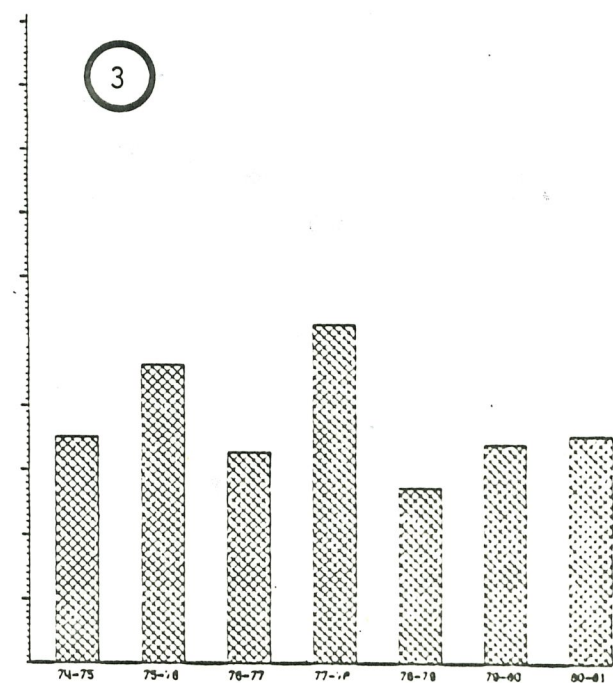
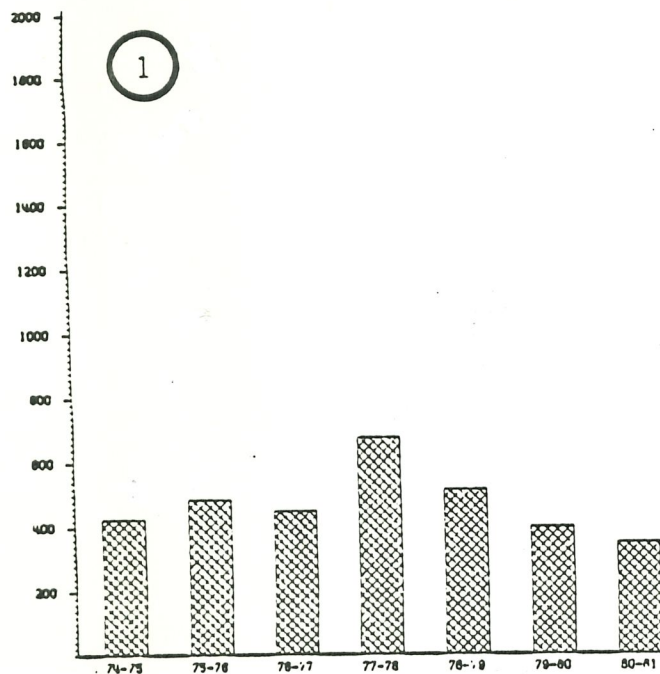
MISC. MARKETS



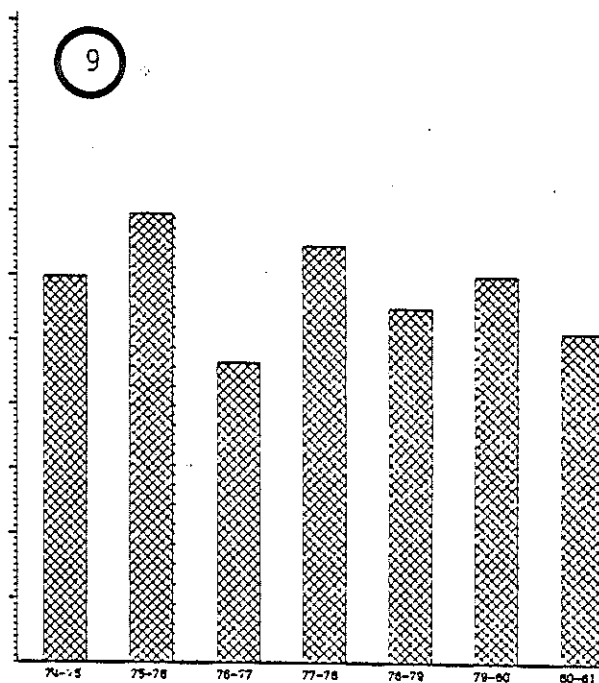
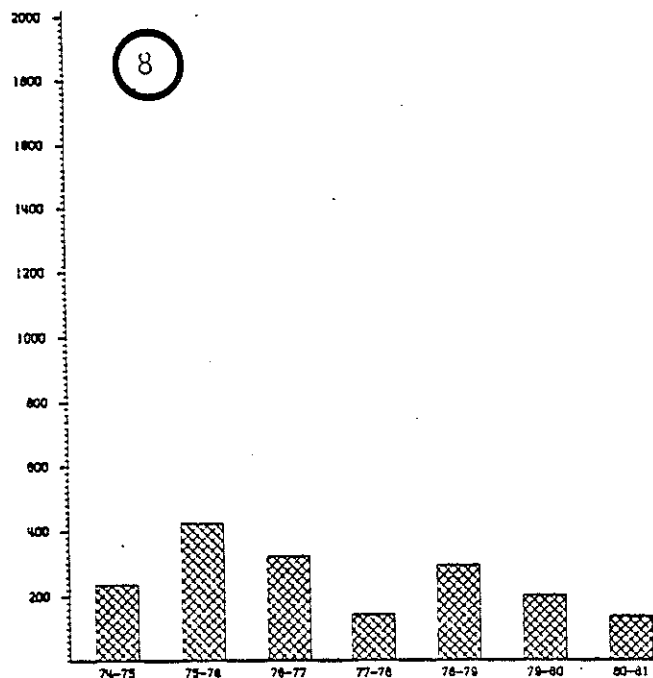
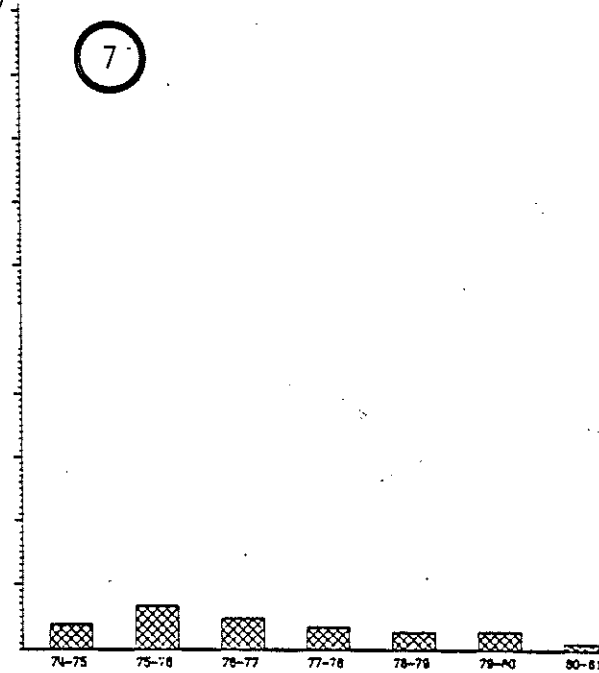
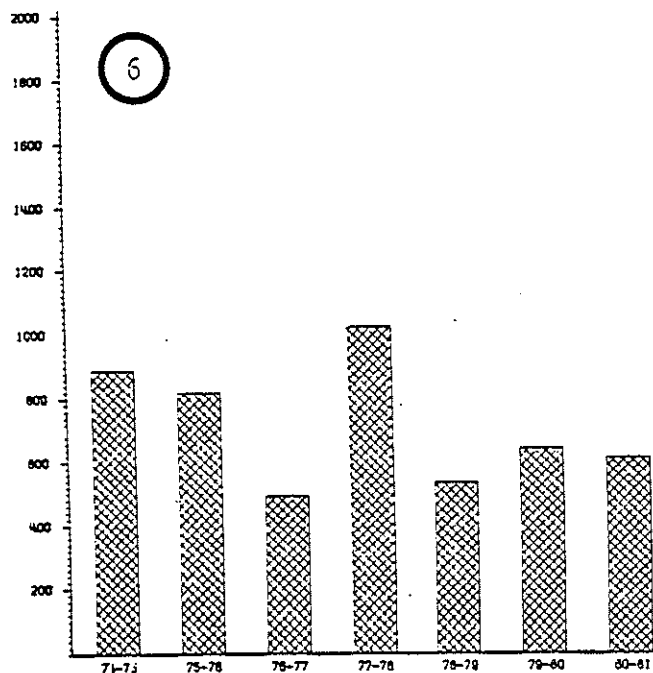
NORTH DAKOTA FLAXSEED SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)

CROP REPORTING DISTRICT	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
(thousand bu.)							
1	426	487	450	678	515	398	348
2	707	1,047	794	1,022	765	752	648
3	703	929	656	1,054	547	682	707
4	258	371	307	203	254	207	194
5	806	986	829	679	474	438	481
6	889	819	491	1,024	533	641	609
7	78	135	98	74	57	59	22
8	236	424	323	145	295	203	138
9	1,196	1,393	935	1,295	1,102	1,202	1,029
TOTAL	5,299	6,591	4,883	6,174	4,542	4,582	4,176

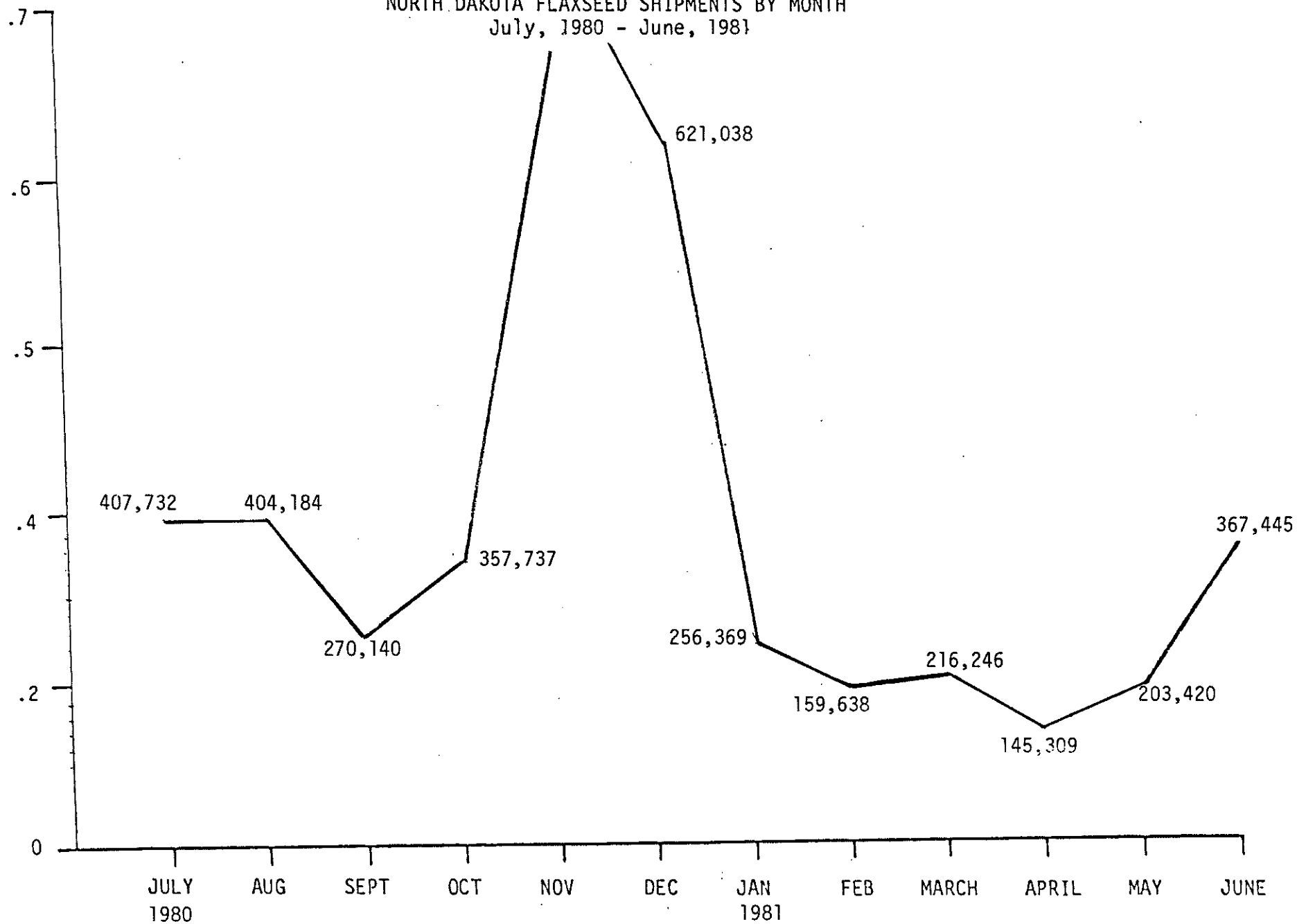
NORTH DAKOTA FLAXSEED SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)
(thousand bu.)



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



766,927
^
NORTH DAKOTA FLAXSEED SHIPMENTS BY MONTH
July, 1980 - June, 1981

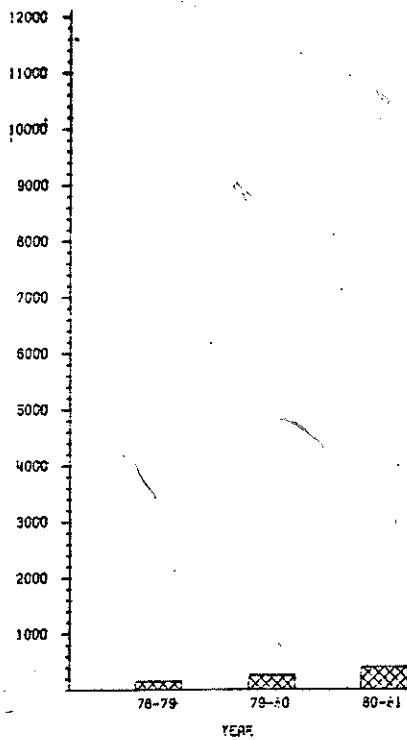


CORN MOVEMENTS

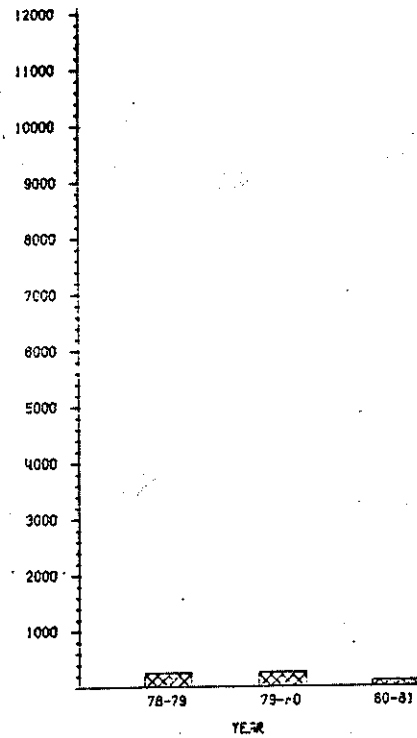
NORTH DAKOTA CORN SHIPMENTS BY DESTINATION

DESTINATION	1978-79	1979-80	1980-81
	(thousand bu.)		
MINN.-ST. PAUL	157	267	406
DULUTH-SUPERIOR	259	270	114
WEST	6,373	9,802	11,409
MISCELLANEOUS MARKETS	1,019	786	2,013
TOTALS	7,808	11,123	13,942

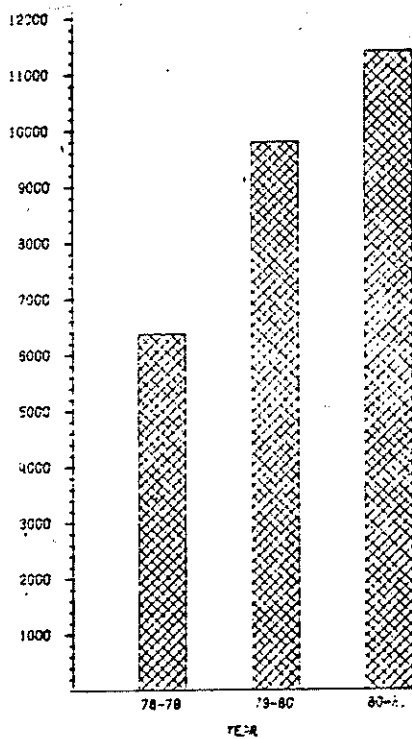
NORTH DAKOTA CORN SHIPMENTS BY DESTINATION (thousand bu.)



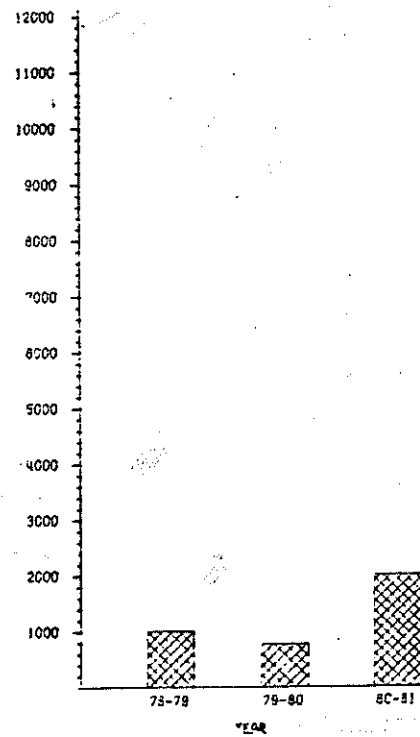
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST

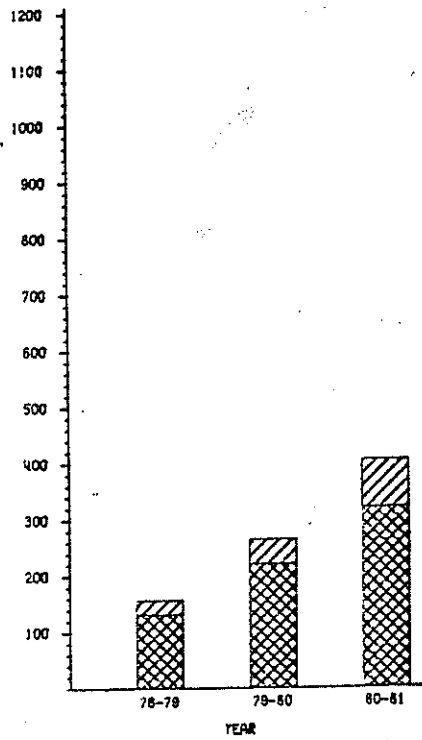


MISC. MARKETS

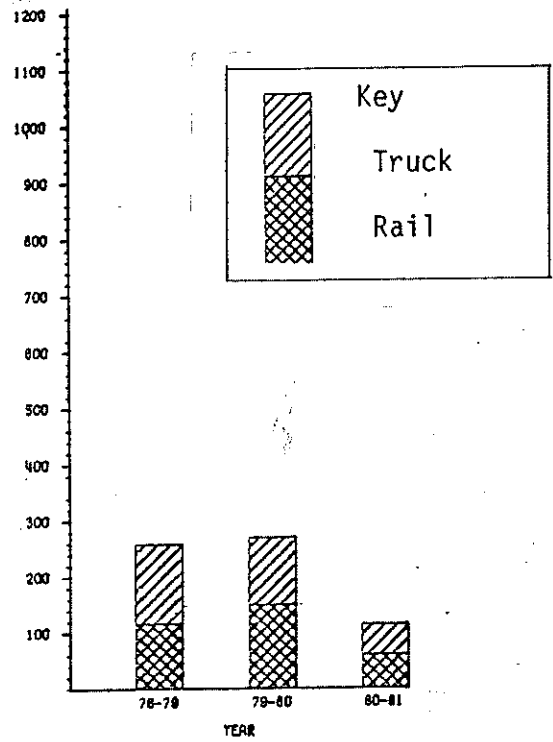
NORTH DAKOTA CORN SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

DESTINATION	1978-79		1979-80		1980-81	
	Rail	Truck	Rail	Truck	Rail	Truck
(thousand bu.)						
MINN.-ST. PAUL	132 (84%)	25 (16%)	221 (83%)	44 (17%)	322 (79%)	84 (21%)
DULUTH-SUPERIOR	117 (45%)	142 (55%)	150 (56%)	120 (44%)	60 (53%)	54 (47%)
WEST	6,233 (98%)	140 (2%)	9,752 (98%)	50 (1%)	11,220 (98%)	189 (2%)
MISC. MARKETS	785 (77%)	234 (23%)	525 (71%)	261 (29%)	815 (40%)	1,198 (60%)
TOTAL	7,267 (93%)	541 (7%)	10,648 (96%)	475 (4%)	12,417 (89%)	1,525 (11%)

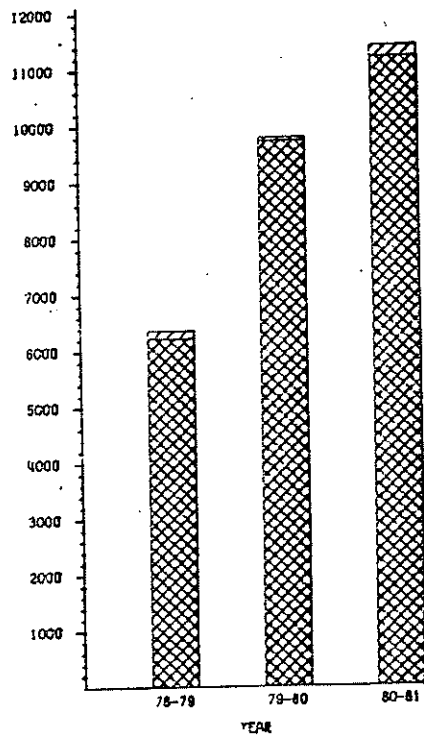
NORTH DAKOTA CORN SHIPMENTS BY RAIL AND TRUCK AND DESTINATION (thousand bu.)



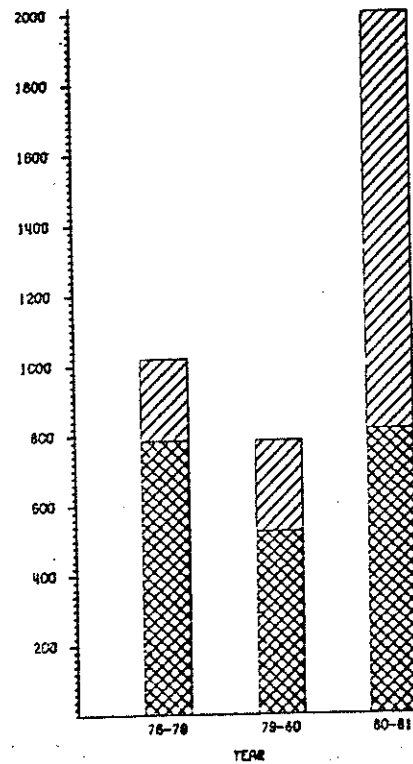
MINNEAPOLIS - ST. PAUL



DULUTH - SUPERIOR



WEST



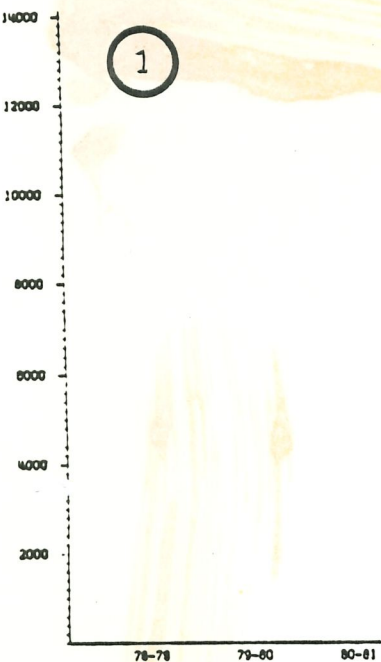
MISC. MARKETS

NORTH DAKOTA CORN SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)

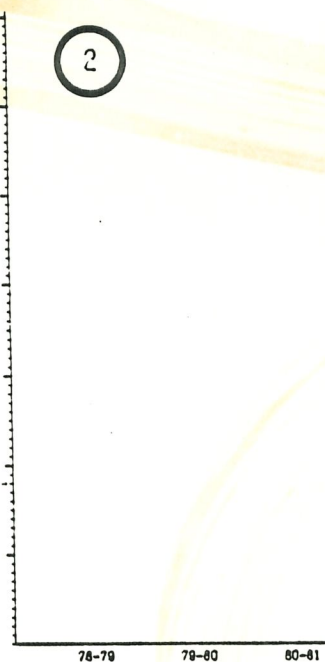
Crop Reporting District	1978-79	1979-80	1980-81
	(thousand bu.)		
1	0	0	2
2	0	0	0
3	424	384	382
4	0	0	0
5	64	53	88
6	1,388	2,527	2,329
7	0	0	0
8	3	0	0
9	5,929	8,159	11,141
TOTAL	7,808	11,123	13,942

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

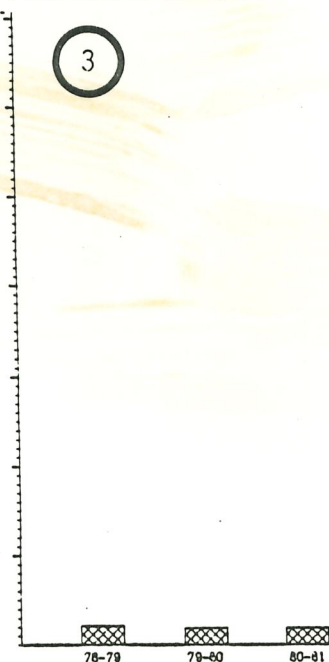
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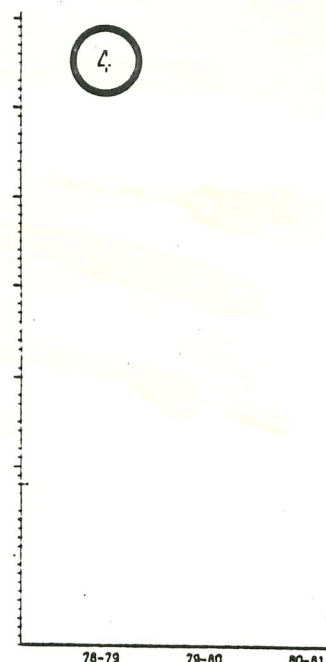
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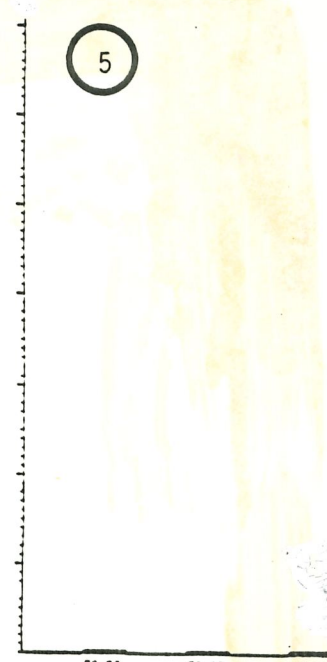
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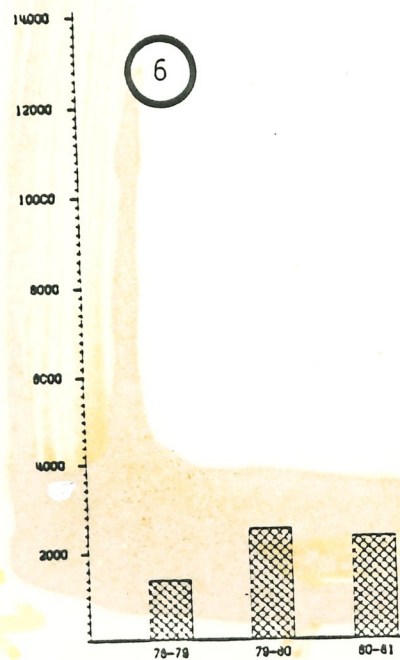
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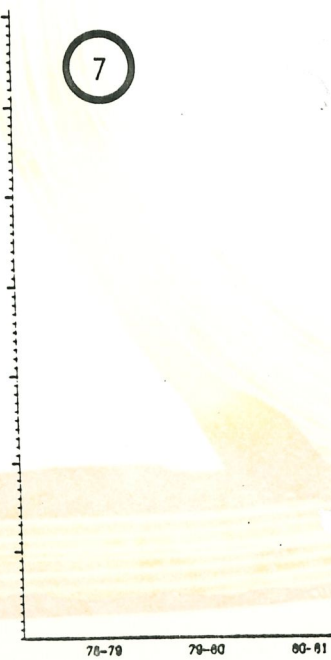
5



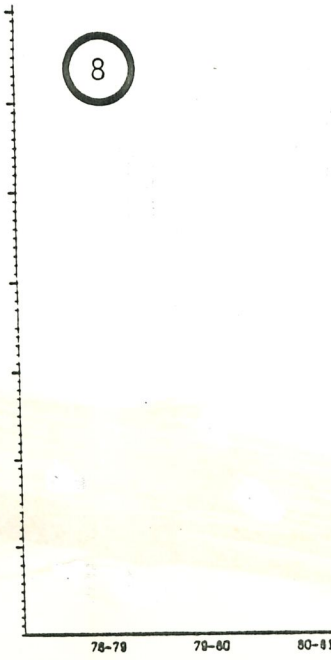
6



7



8



9

