

**NORTH DAKOTA GRAIN AND OILSEED
TRANSPORTATION STATISTICS
1989-90**

by

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and
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1989-90***

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in cooperation with

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

and

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

PREFACE

The 1989-90 North Dakota Grain and Oilseed Transportation Statistics Report was prepared by Barry M. Olsen, Student Research Assistant, and Daniel L. Zink, Transportation Economist, Upper Great Plains Transportation Institute. The authors gratefully acknowledge the desktop publishing assistance of Ms. Angela Carroll in constructing this report.

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

North Dakota State Wheat Commission

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NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS 1989-90

Objective of Report

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

Scope of Report

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

Destination: Minneapolis-St. Paul, Duluth-Superior, West (ID, OR, WA), and miscellaneous markets. Miscellaneous markets consist of Other Minnesota/Wisconsin, Midland/Southwest States (AR, AZ, CA, CO, IA, KS, LA, MO, MT, NE, NM, NV, OK, SD, TX, and WY), North Dakota and other destinations.

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

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

Time: By month, from July 1989 to June 1990, and previous years.

Commodity: Hard red spring wheat, durum, barley, sunflower, oats, soybeans, flax and corn.

Source of Data

The data used to analyze North Dakota grain distribution patterns for the period July 1989 through June 1990 were obtained from all country elevators in North Dakota. The data source is the North Dakota Public Service Commission's "Grain Movement Report." Every country elevator in North Dakota is required under state statute to assemble and submit a "Grain Movement Report" to the Public Service Commission on a monthly basis.

Organization of the Remainder of the Report

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

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

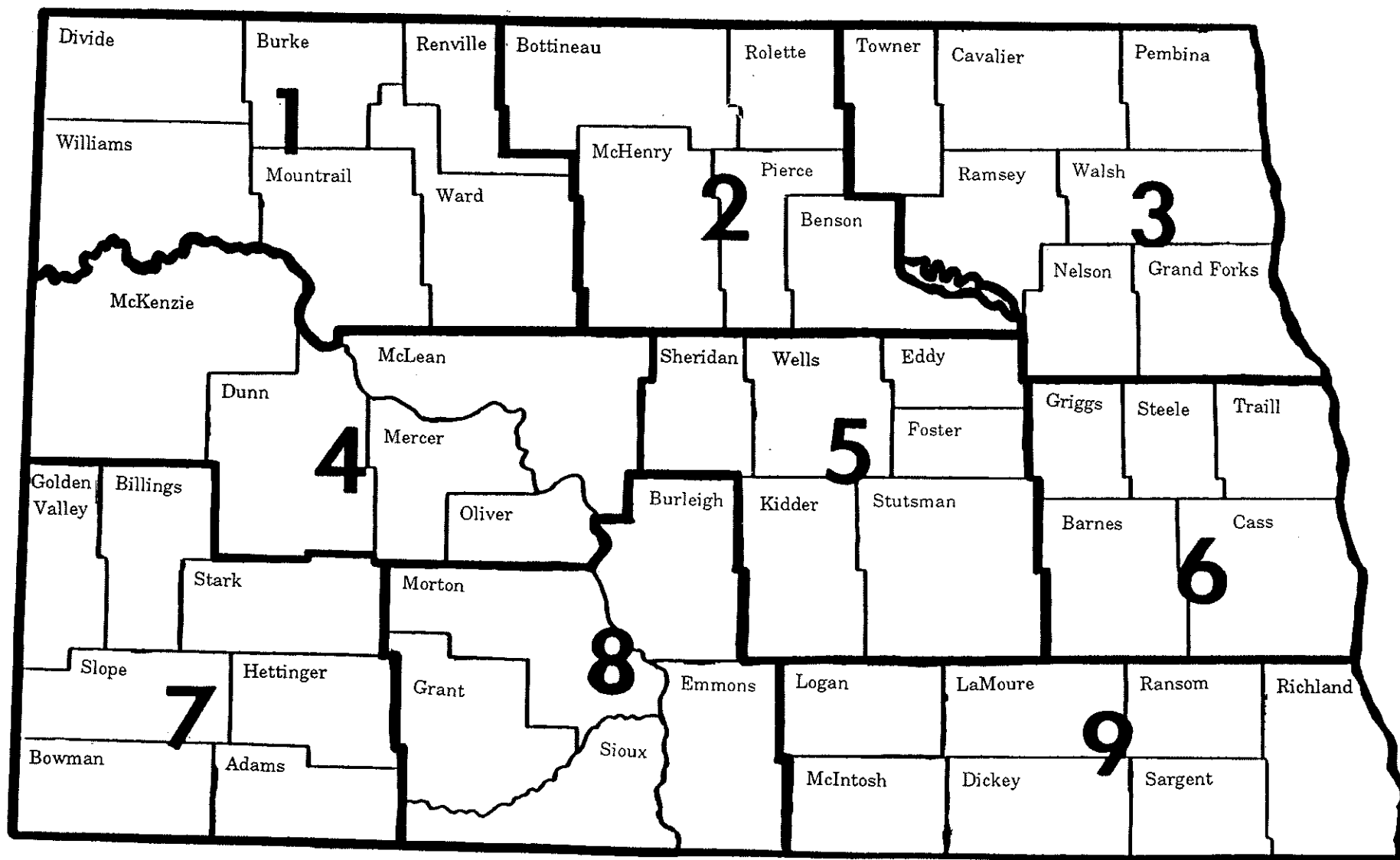


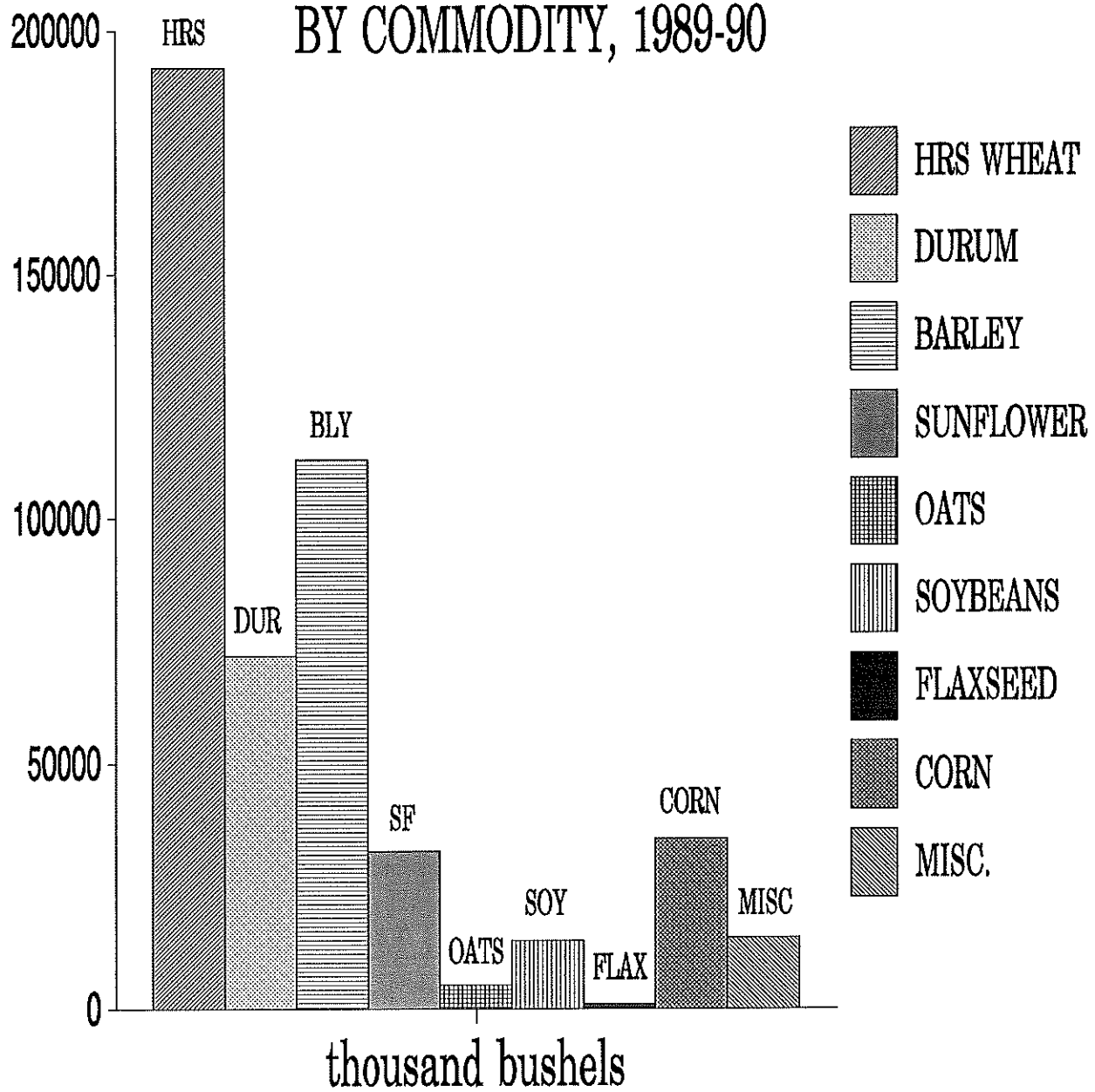
Figure 1. North Dakota Crop Reporting Districts and Counties.

**TOTAL
GRAIN AND OILSEED
SHIPMENTS**

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
1976-77 to 1989-90
(thousand bu.)

YEAR	HARD RED SPRING	DURUM	BARLEY	SUNFLOWERS	OATS	SOYBEANS	FLAXSEED	MISC.	CORN	TOTAL
1976-77	123,976	65,024	73,314	15,622	12,158	1,941	4,883	8,994	N.A.	305,912
	(41%)	(21%)	(24%)	(5%)	(4%)	(1%)	(2%)	(3%)		(100%)
1977-78	127,953	88,366	63,115	51,278	10,492	1,776	6,174	9,450	N.A.	358,604
	(36%)	(25%)	(18%)	(14%)	(3%)	(1%)	(2%)	(3%)		(100%)
1978-79	184,923	88,659	69,648	79,253	12,087	2,943	4,541	14,180	N.A.	456,234
	(41%)	(19%)	(15%)	(17%)	(3%)	(1%)	(1%)	(3%)		(100%)
1979-80	169,573	94,581	78,621	95,940	7,959	5,452	4,580	19,358	N.A.	476,064
	(36%)	(20%)	(17%)	(20%)	(2%)	(1%)	(1%)	(4%)		(100%)
1980-81	126,115	63,193	62,672	114,866	3,515	3,109	4,176	9,498	13,941	401,085
	(31%)	(16%)	(15%)	(28%)	(1%)	(1%)	(1%)	(2%)	(3%)	(100%)
1981-82	148,169	81,881	79,801	111,496	8,379	5,801	3,644	12,232	10,460	461,862
	(32%)	(17%)	(17%)	(24%)	(2%)	(1%)	(0.8%)	(3%)	(2%)	(100%)
1982-83	178,800	79,132	70,106	121,744	10,583	7,687	4,883	8,219	10,518	491,671
	(36%)	(16%)	(14%)	(25%)	(2%)	(2%)	(1%)	(25%)	(2%)	(100%)
1983-84	163,305	84,941	106,645	103,449	21,261	12,504	4,235	10,014	32,463	538,818
	(30%)	(16%)	(20%)	(19%)	(4%)	(2%)	(1%)	(2%)	(6%)	(100%)
1984-85	183,109	80,670	106,030	77,412	11,232	14,292	4,098	12,389	22,623	511,855
	(36%)	(16%)	(21%)	(15%)	(2%)	(3%)	(1%)	(2%)	(4%)	(100%)
1985-86	181,089	87,344	105,436	53,541	7,706	12,116	5,503	12,261	13,394	478,390
	(38%)	(18%)	(22%)	(11%)	(2%)	(3%)	(1%)	(3%)	(3%)	(100%)
1986-87	193,962	104,968	146,342	61,067	9,387	9,990	6,666	12,500	26,437	571,319
	(34%)	(18%)	(26%)	(11%)	(2%)	(2%)	(1%)	(2%)	(5%)	(100%)
1987-88	187,835	77,395	104,399	63,418	15,577	18,415	6,110	14,263	30,426	517,838
	(36%)	(17%)	(20%)	(12%)	(3%)	(4%)	(1%)	(3%)	(6%)	(100%)
1988-89	135,640	43,906	92,715	39,056	4,297	12,160	2,013	13,243	29,344	372,376
	(36%)	(12%)	(24%)	(10%)	(1%)	(3%)	(1%)	(4%)	(7%)	(100%)
1989-90	192,485	72,003	112,256	32,174	5,015	14,015	1,077	14,632	34,764	478,421
	(40%)	(15%)	(23%)	(7%)	(1%)	(3%)	(1%)	(3%)	(7%)	(100%)

ALL SHIPMENTS BY COMMODITY, 1989-90

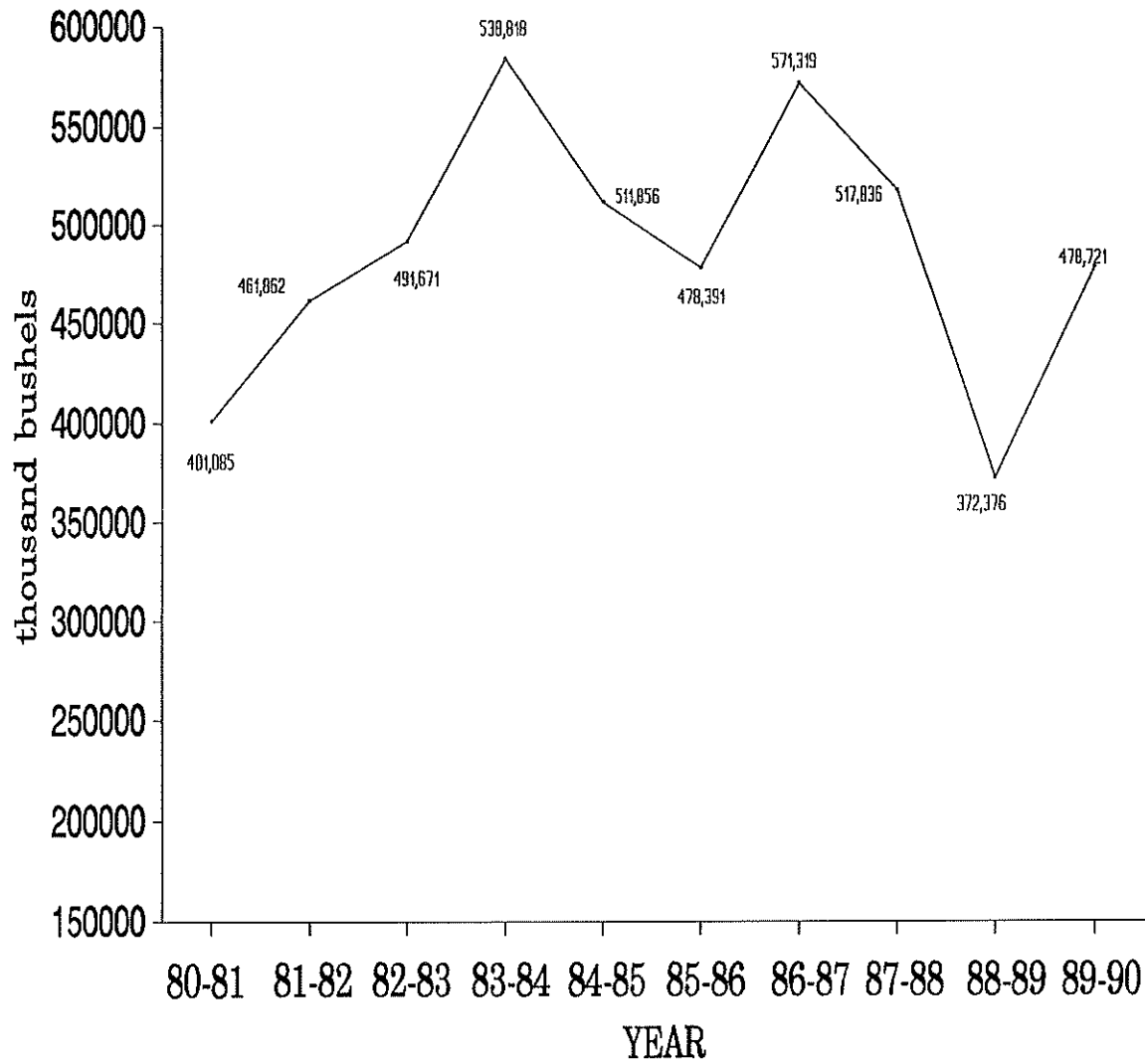


NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY DESTINATION
1976-77 to 1989-90
(thousand bu.)

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
1976-77	109,620 (36%)	128,044 (42%)	20,823 (7%)	47,425 (16%)	305,912 (100%)
1977-78	85,231 (24%)	192,925 (54%)	29,031 (8%)	51,417 (14%)	358,604 (100%)
1978-79	93,353 (20%)	250,653 (55%)	46,413 (10%)	65,814 (14%)	456,233 (100%)
1979-80	119,711 (25%)	230,544 (48%)	46,954 (10%)	78,856 (17%)	476,065 (100%)
1980-81	81,487 (20%)	184,825 (46%)	39,975 (10%)	94,798 (24%)	401,085 (100%)
1981-82	92,099 (20%)	230,899 (50%)	37,006 (8%)	101,859 (22%)	461,862 (100%)
1982-83	122,745 (25%)	201,427 (41%)	45,240 (9%)	122,259 (25%)	491,671 (100%)
1983-84	134,312 (25%)	195,942 (36%)	59,203 (11%)	149,362 (28%)	538,818 (100%)
1984-85	129,455 (25%)	178,299 (35%)	61,002 (12%)	143,099 (28%)	511,856 (100%)
1985-86	131,879 (28%)	109,232 (23%)	44,812 (9%)	192,467 (40%)	478,391 (100%)
1986-87	121,620 (21%)	119,016 (21%)	92,923 (16%)	237,761 (42%)	371,319 (100%)
1987-88	124,984 (24%)	92,320 (18%)	64,727 (12%)	235,805 (46%)	517,836 (100%)
1988-89	85,561 (23%)	50,767 (14%)	67,862 (18%)	168,187 (45%)	372,376 (100%)
1989-90	107,958 (22%)	85,112 (18%)	67,347 (14%)	218,004 ^a (46%)	478,421 (100%)

^a Miscellaneous markets include shipments to Midland/Southwest destinations (65.8 million bushels or 14%), North Dakota destinations (54.1 million bushels or 11%), other Minnesota/Wisconsin destinations (39.4 million bushels or 8%), and all other markets (58.7 million bushels or 12%).

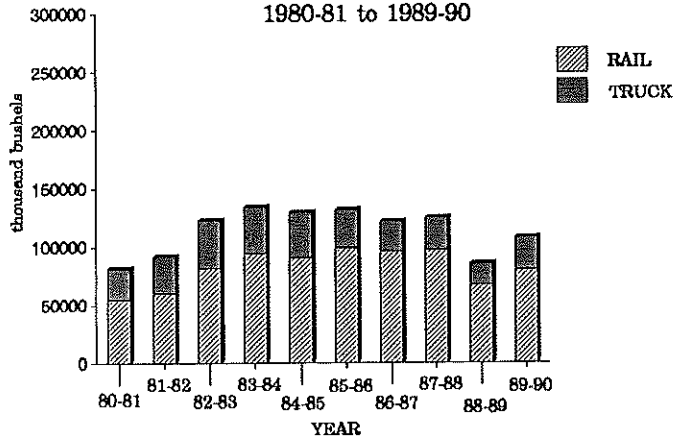
ALL COMMODITY SHIPMENTS 1979-80 to 1989-90



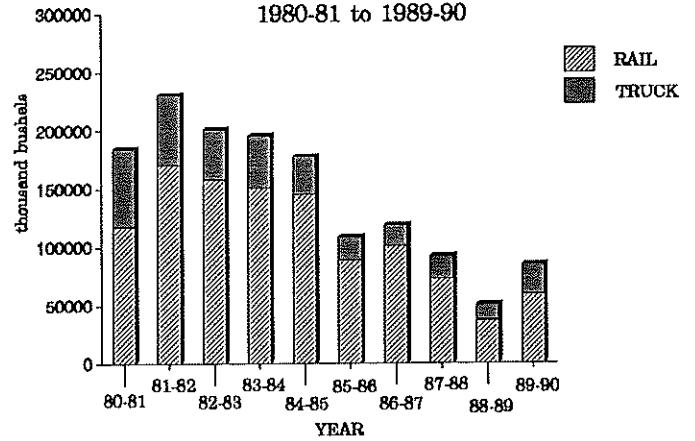
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)

YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK
1976-77	82,764 (76%)	26,856 (24%)	80,207 (63%)	47,837 (37%)	11,703 (56%)	9,120 (44%)	30,455 (64%)	16,970 (36%)	205,129 (67%)	100,783 (33%)
1977-78	60,859 (71%)	24,372 (29%)	121,899 (63%)	71,025 (37%)	19,386 (67%)	9,645 (33%)	33,034 (64%)	18,384 (36%)	235,178 (66%)	123,426 (34%)
1978-79	61,186 (66%)	32,168 (34%)	140,112 (56%)	110,541 (44%)	33,461 (72%)	12,952 (28%)	36,310 (55%)	29,504 (45%)	271,069 (59%)	185,165 (41%)
1979-80	79,040 (60%)	40,672 (40%)	138,313 (66%)	92,225 (34%)	31,878 (68%)	15,076 (32%)	45,106 (57%)	33,750 (43%)	294,342 (62%)	181,724 (38%)
1980-81	54,815 (67%)	26,672 (33%)	117,168 (63%)	67,657 (37%)	25,549 (64%)	14,426 (36%)	54,406 (57%)	40,392 (43%)	251,938 (63%)	149,147 (37%)
1981-82	60,345 (66%)	31,753 (34%)	170,762 (74%)	60,136 (26%)	24,165 (65%)	12,841 (35%)	62,032 (61%)	39,827 (39%)	317,304 (69%)	144,558 (31%)
1982-83	81,525 (66%)	41,220 (34%)	158,282 (78%)	43,145 (21%)	30,108 (67%)	15,132 (33%)	70,546 (58%)	51,713 (42%)	340,461 (69%)	151,210 (31%)
1983-84	94,392 (70%)	39,920 (30%)	150,766 (77%)	45,176 (23%)	49,055 (83%)	10,148 (17%)	98,897 (66%)	50,465 (34%)	393,110 (73%)	145,709 (27%)
1984-85	90,807 (70%)	38,648 (30%)	145,495 (82%)	32,804 (18%)	51,786 (85%)	9,217 (15%)	86,921 (61%)	56,179 (39%)	375,009 (73%)	136,847 (27%)
1985-86	99,046 (75%)	32,833 (25%)	88,796 (81%)	20,436 (19%)	38,091 (85%)	6,722 (15%)	129,454 (67%)	63,013 (33%)	355,387 (74%)	123,004 (26%)
1986-87	96,166 (79%)	25,454 (21%)	101,009 (85%)	18,008 (15%)	87,738 (94%)	5,185 (6%)	165,655 (70%)	72,105 (30%)	450,569 (79%)	120,750 (21%)
1987-88	97,285 (78%)	27,699 (22%)	72,835 (79%)	19,485 (21%)	59,834 (92%)	4,893 (8%)	160,318 (68%)	75,487 (32%)	390,272 (75%)	127,564 (25%)
1988-89	67,358 (79%)	18,203 (21%)	37,044 (73%)	13,723 (27%)	62,570 (92%)	5,291 (8%)	103,988 (62%)	64,199 (38%)	270,961 (73%)	101,416 (27%)
1989-90	80,412 (74%)	27,546 (26%)	59,256 (70%)	25,857 (30%)	62,826 (93%)	4,520 (7%)	148,839 (68%)	69,165 (32%)	351,333 (73%)	127,088 (27%)

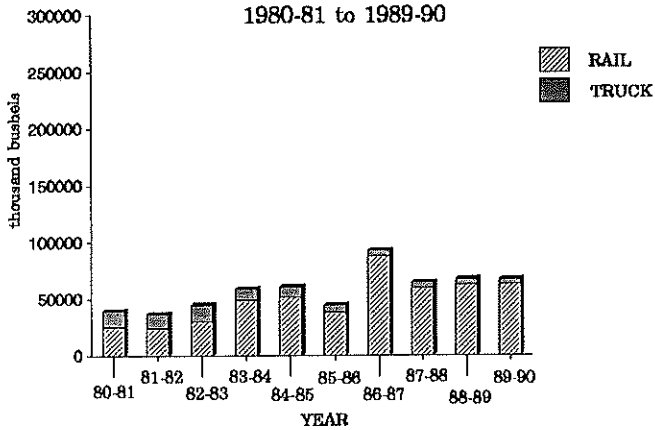
ALL SHIPMENTS TO MPLS
1980-81 to 1989-90



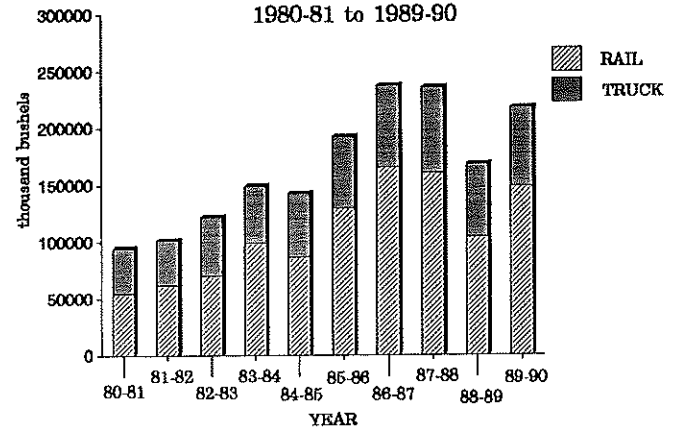
ALL SHIPMENTS TO D/S
1980-81 to 1989-90



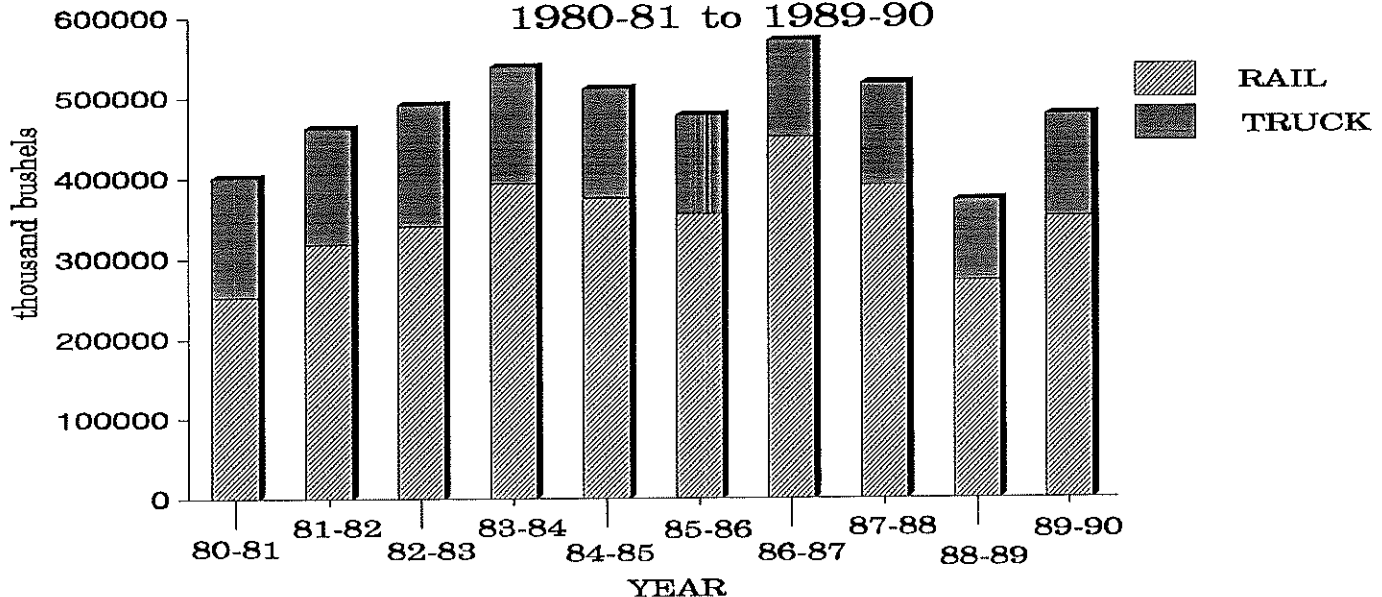
ALL SHIPMENTS TO WEST
1980-81 to 1989-90



ALL SHIPMENTS TO OTHER DESTINATIONS
1980-81 to 1989-90



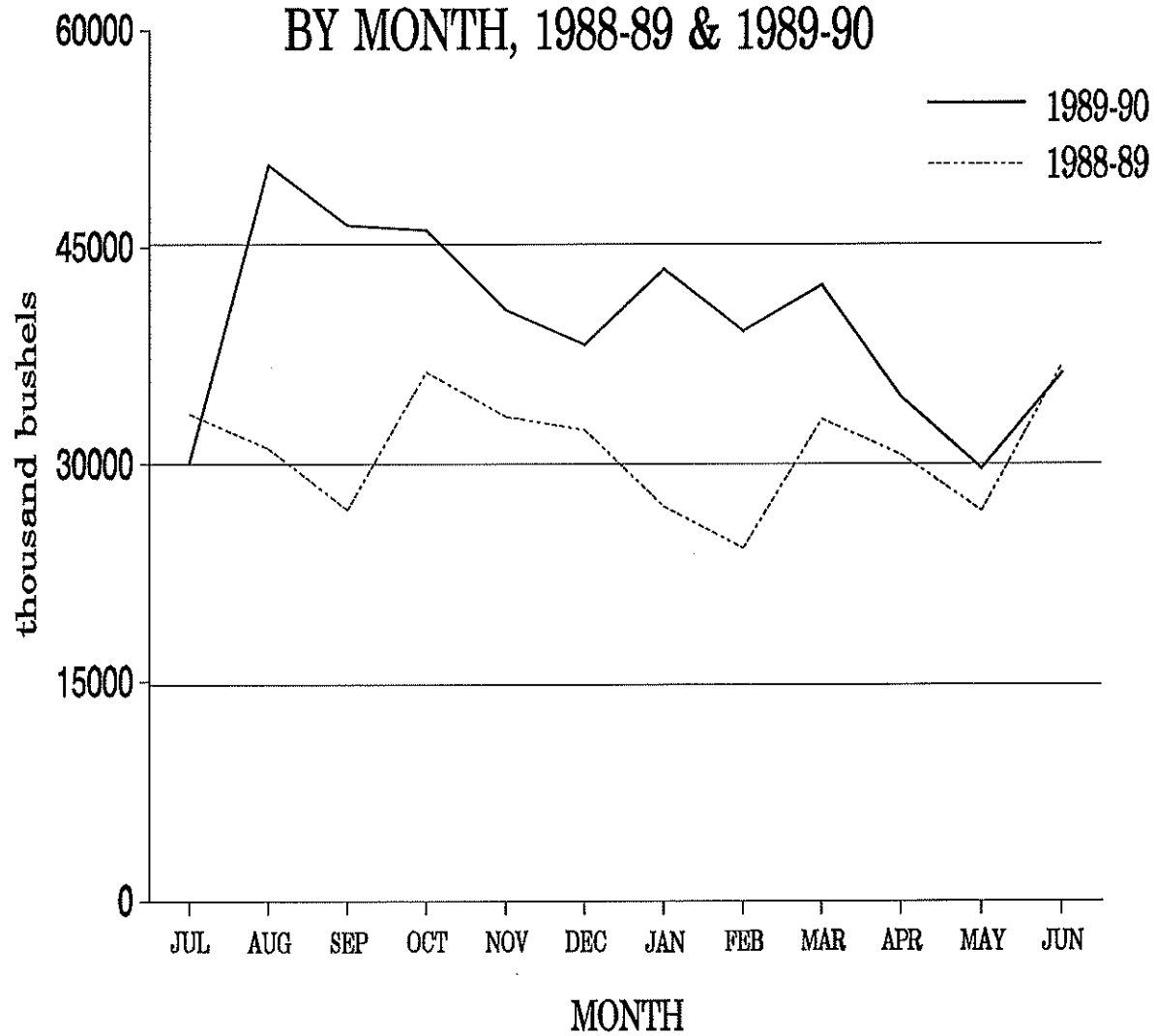
ALL COMMODITY SHIPMENTS
1980-81 to 1989-90



NORTH DAKOTA GRAIN AND OILSEED MOVEMENTS
BY MONTH
July 1989 - June 1990
(thousand bu.)

MONTH	HRS	DURUM	SOYBEANS	FLAX	BARLEY	OATS	CORN	SUNFLOWER	MISC.	TOTAL
July	11,741	3,764	622	31	9,442	204	1,345	1,390	1,651	30,190
August	24,400	7,293	301	54	14,237	948	864	1,394	1,205	50,696
September	20,655	8,483	625	346	11,983	766	1,035	1,480	1,197	46,571
October	15,274	5,521	3,655	265	8,339	357	3,957	7,504	1,342	46,215
November	13,282	5,467	1,525	63	8,046	347	5,758	4,313	1,883	40,684
December	15,185	5,956	922	63	7,277	348	4,462	2,865	1,190	38,270
January	17,438	7,146	1,082	60	9,553	369	4,153	2,730	968	43,500
February	15,469	6,455	1,612	33	7,829	234	3,885	2,737	984	39,239
March	18,246	5,432	1,820	43	8,847	341	4,016	2,431	1,218	42,393
April	14,411	5,587	730	46	8,722	397	2,183	1,706	887	34,667
May	14,017	4,078	586	28	7,525	297	1,228	1,322	637	29,717
June	12,367	6,821	535	44	10,456	408	1,876	2,302	1,470	36,279
Total	192,485	72,003	14,015	1,077	112,256	5,015	34,764	32,174	14,632	478,421

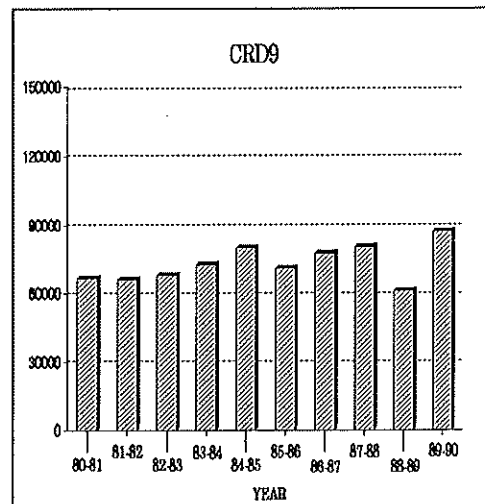
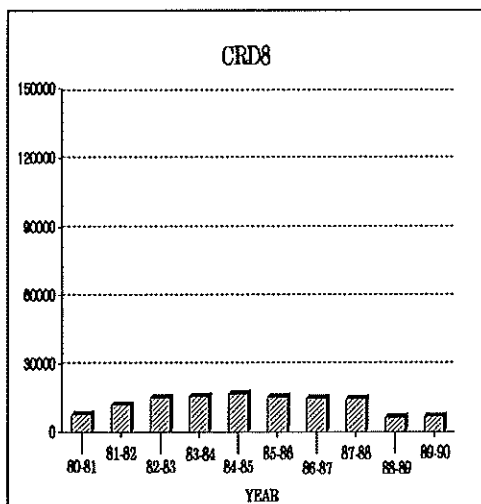
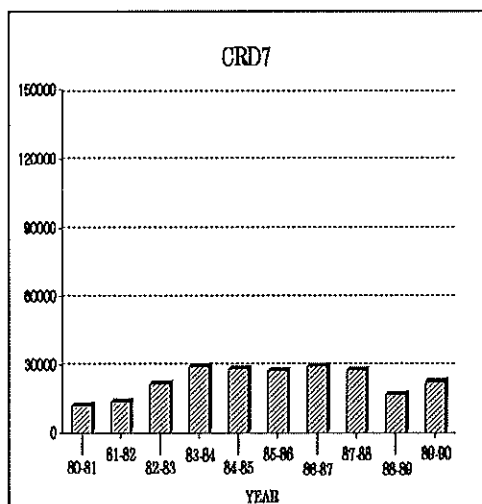
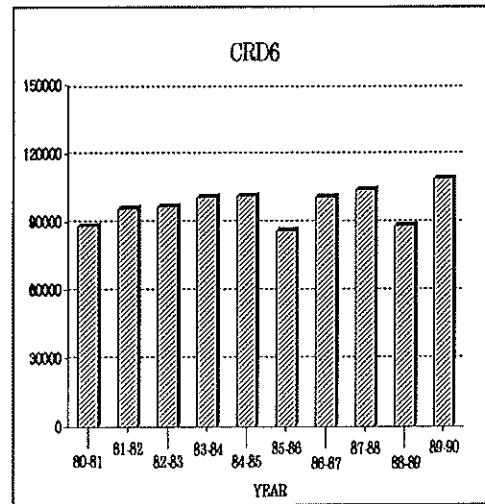
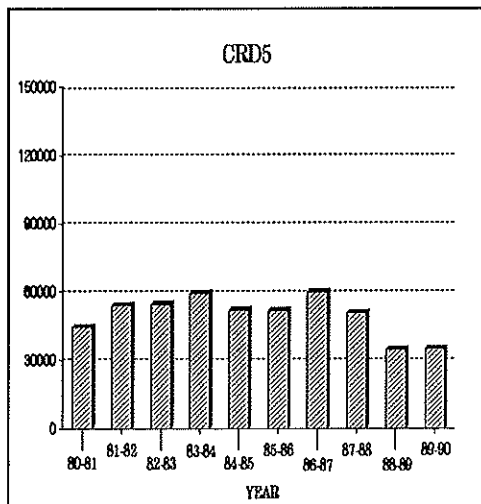
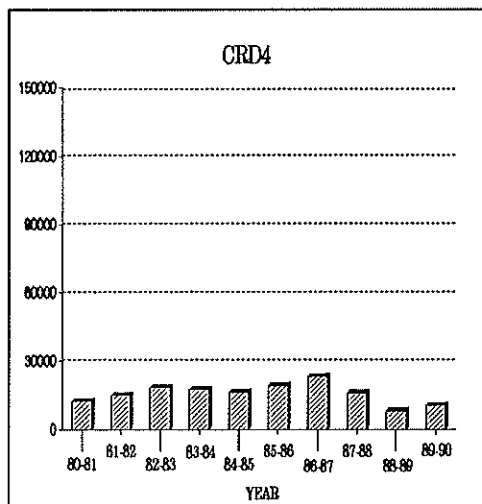
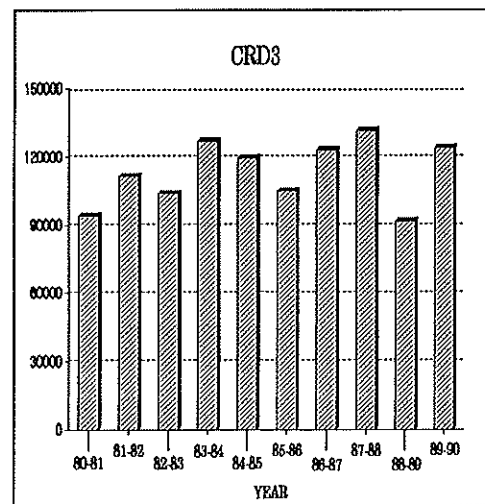
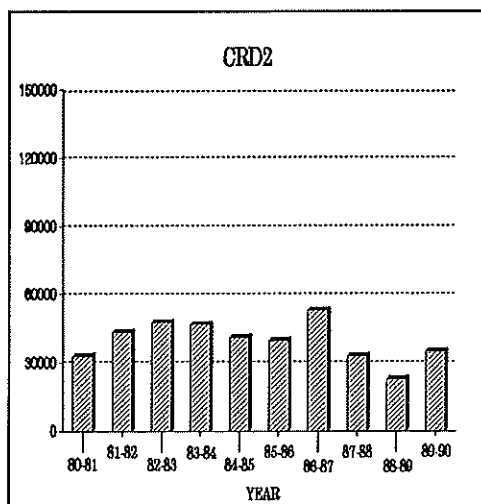
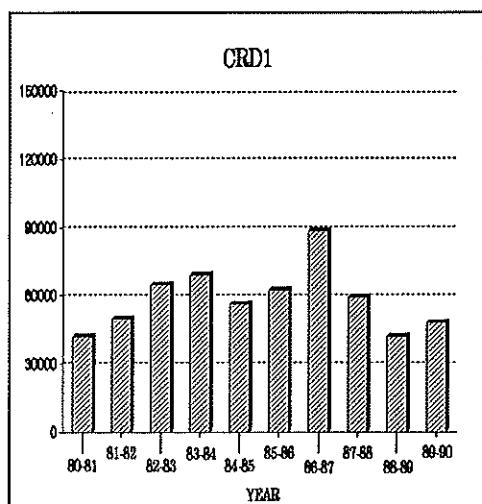
All COMMODITY SHIPMENTS BY MONTH, 1988-89 & 1989-90



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

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

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



**HARD RED SPRING
WHEAT**

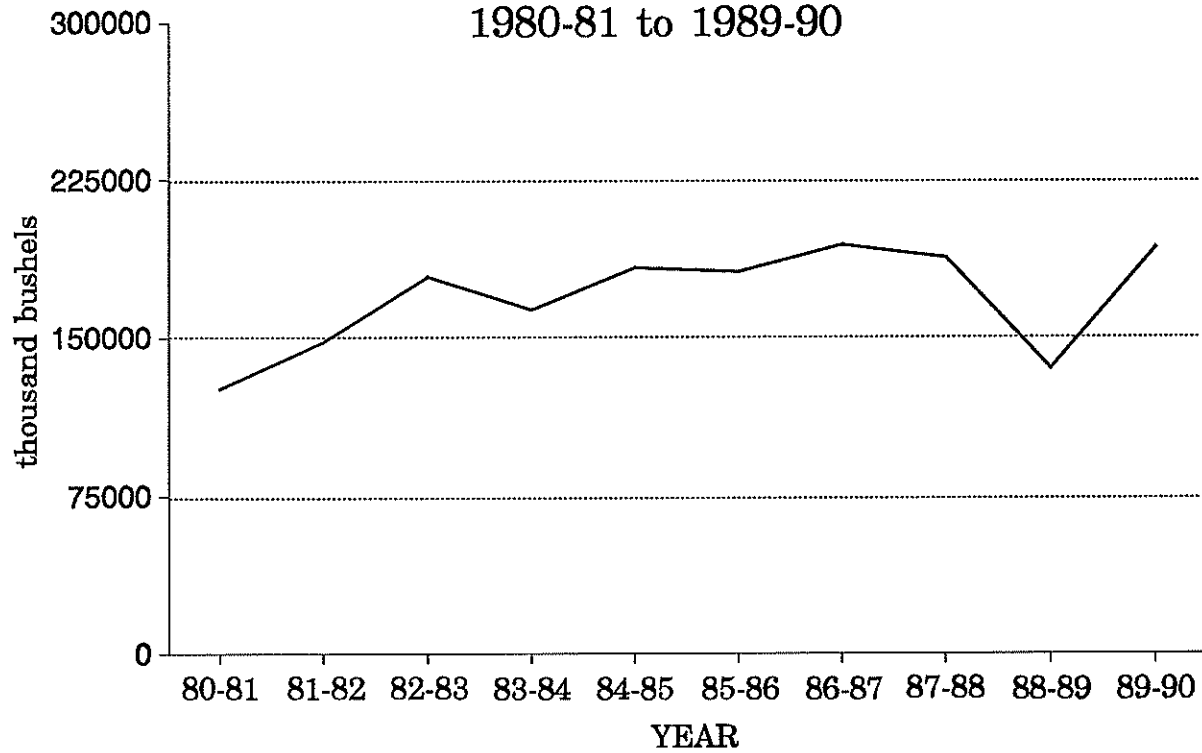
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION
(thousand bu.)

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

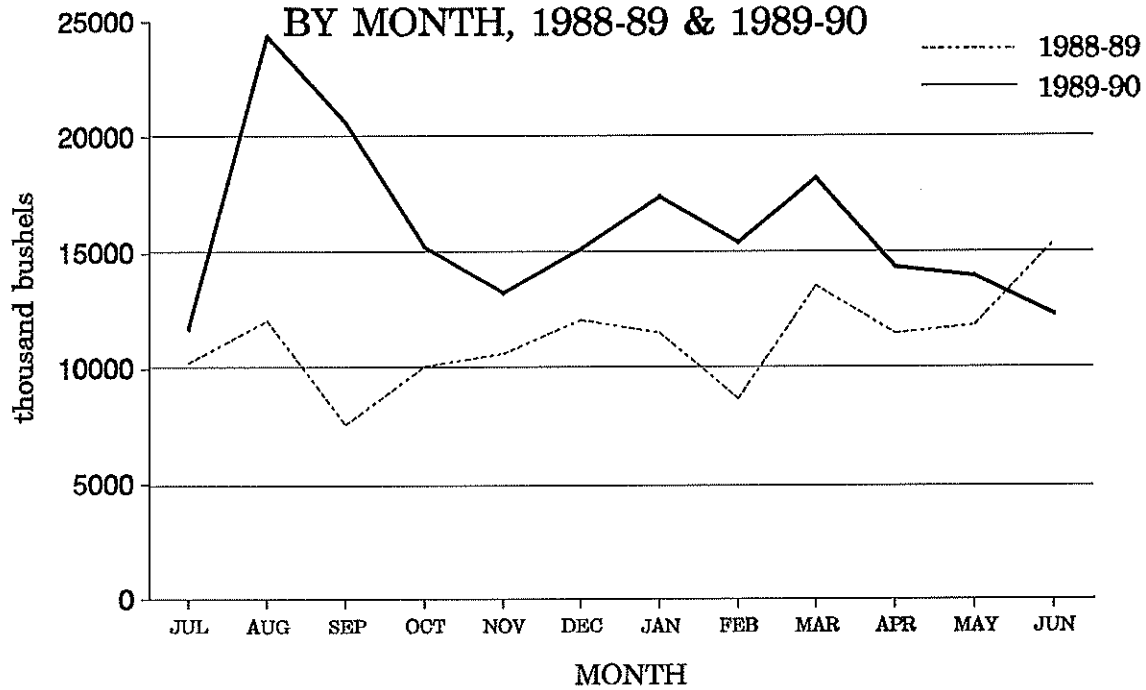
^aMiscellaneous markets include shipments to Midland/Southwest destinations (25.6 million bushels or 13%), other Minnesota/Wisconsin destinations (12.5 million bushels or 6%), and all other markets including North Dakota processors (31.9 million bushels or 17%).

HRS WHEAT SHIPMENTS

1980-81 to 1989-90



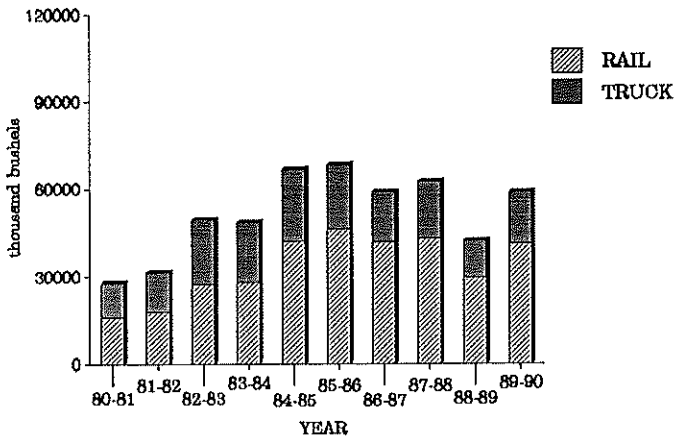
HRS WHEAT SHIPMENTS BY MONTH, 1988-89 & 1989-90



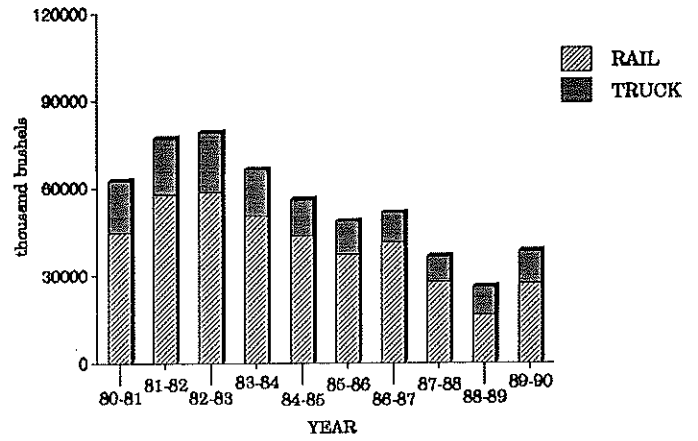
**NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

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

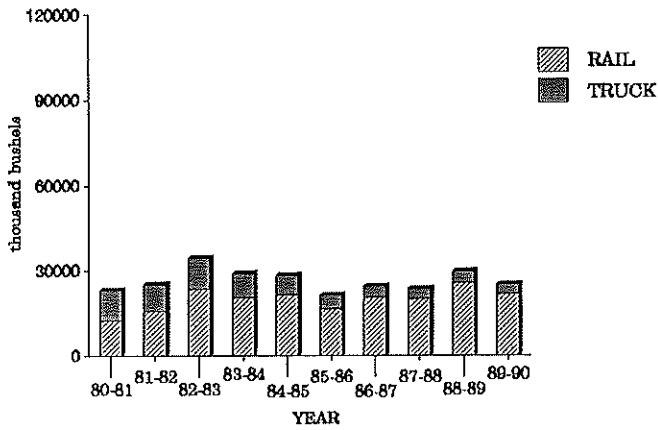
HRS WHEAT TO MPLS
1980-81 to 1989-90



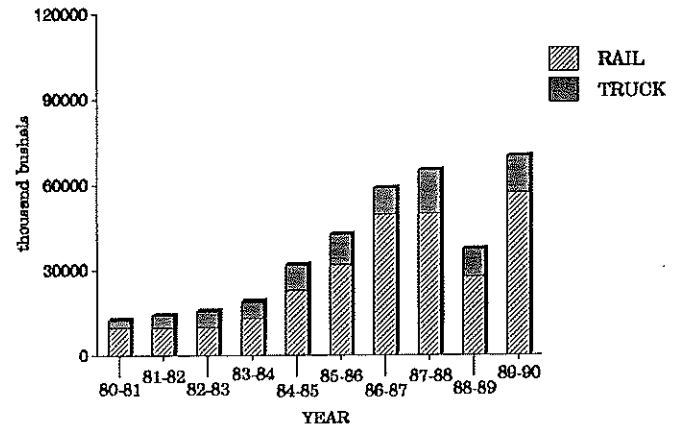
HRS WHEAT TO D/S
1980-81 to 1989-90



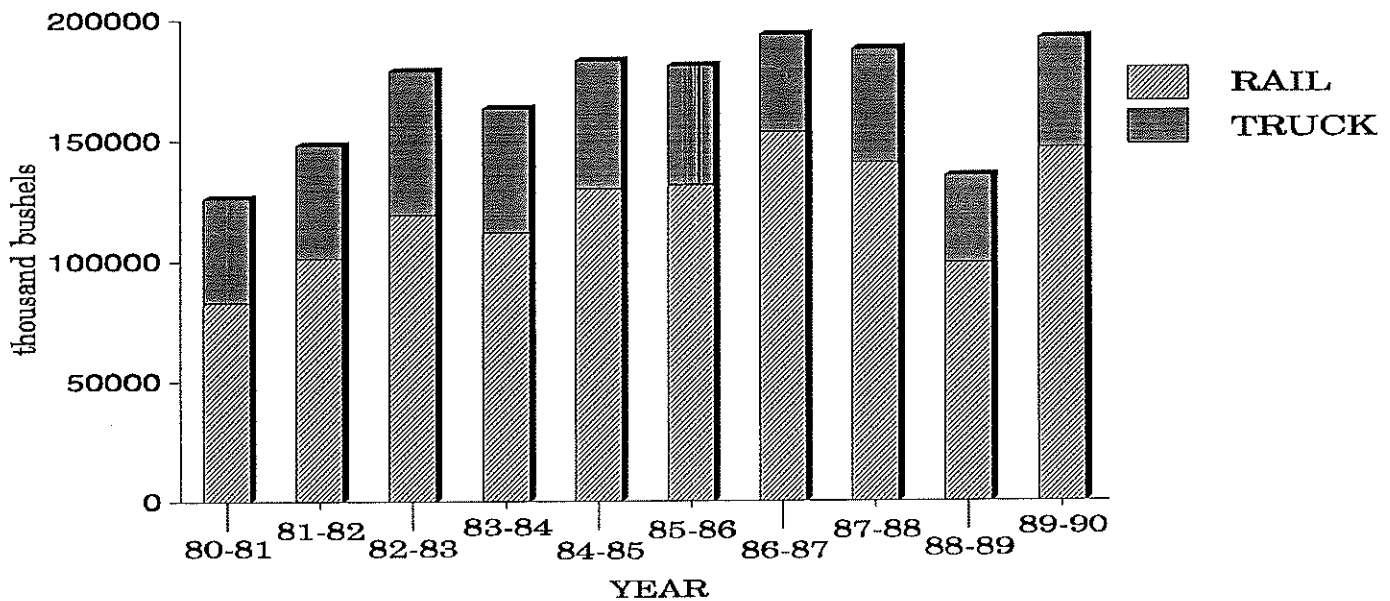
HRS WHEAT TO WEST
1980-81 to 1989-90



HRS WHEAT TO MISC
1980-81 to 1989-90



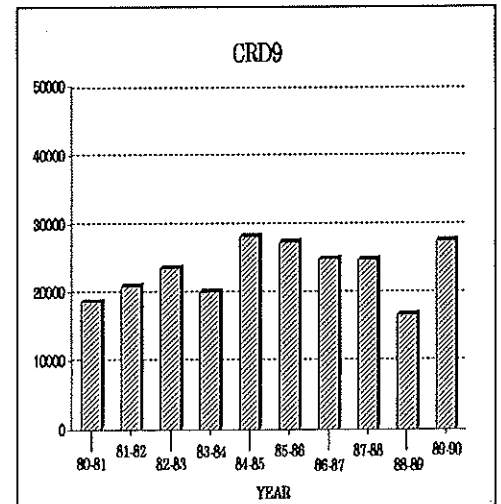
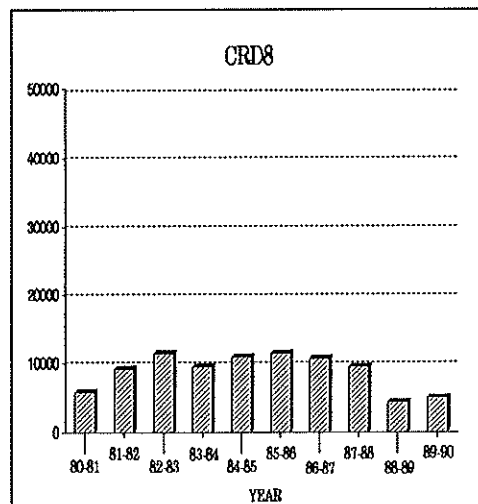
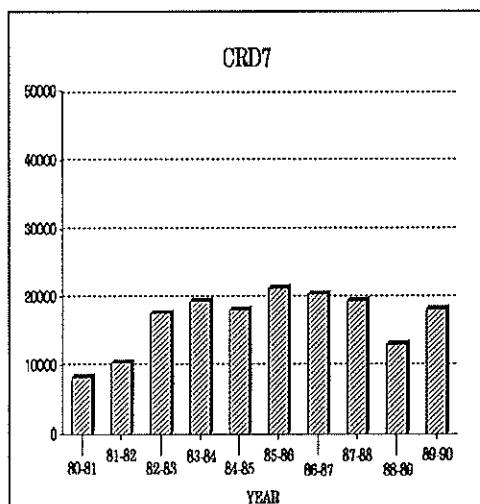
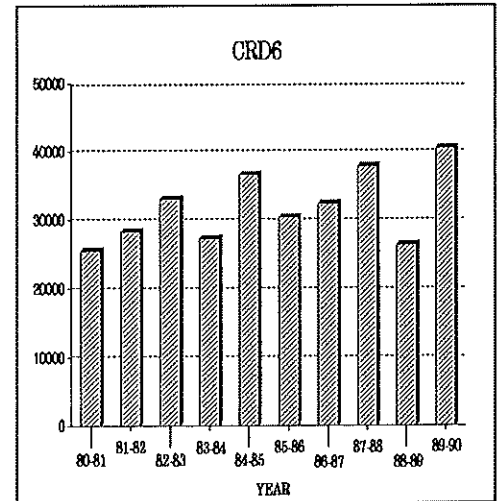
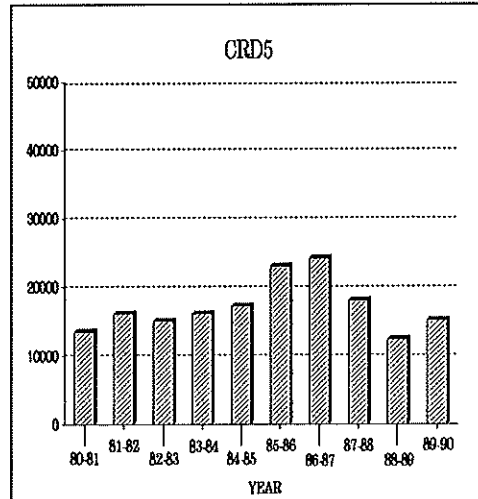
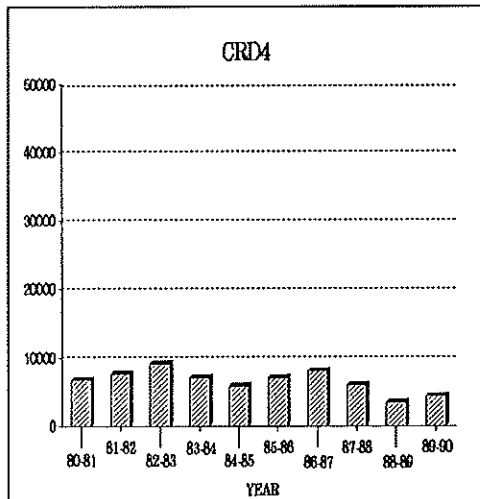
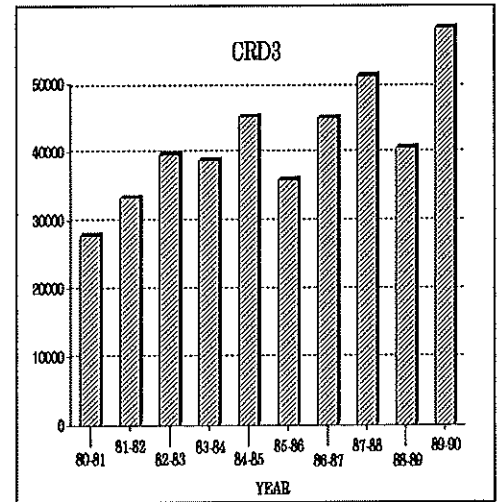
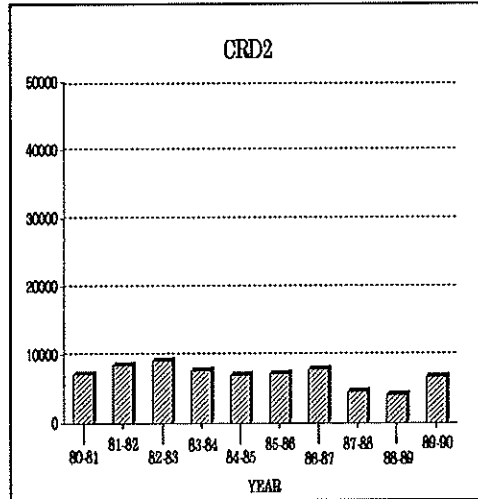
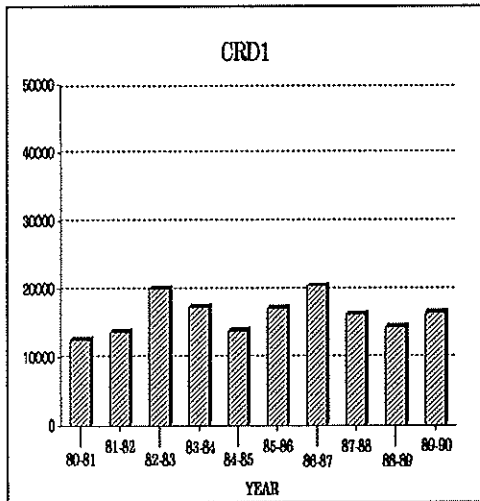
HRS WHEAT SHIPMENTS
1980-81 to 1989-90



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

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

HRS WHEAT SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



DURUM

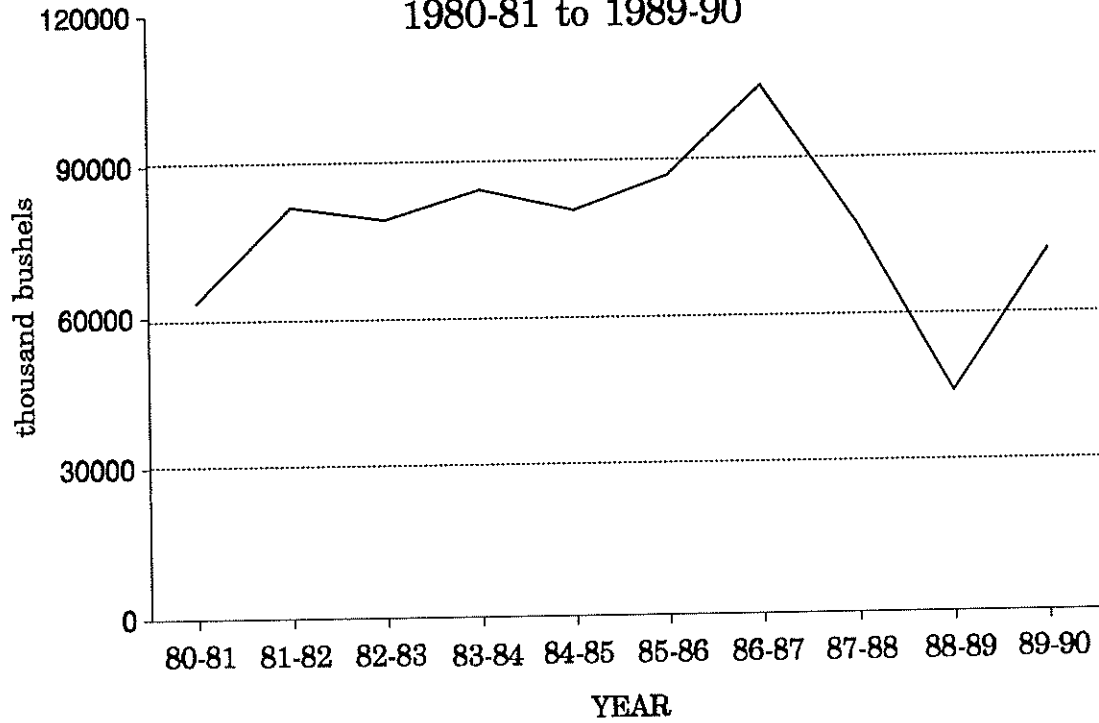
NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION
(thousand bu.)

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

^aMiscellaneous markets include shipments to Midland/Southwest destinations (15.3 million bushels or 21%), other Minnesota/Wisconsin destinations (6.4 million bushels or 9%), and all other markets including North Dakota processors (12.5 million bushels or 18%).

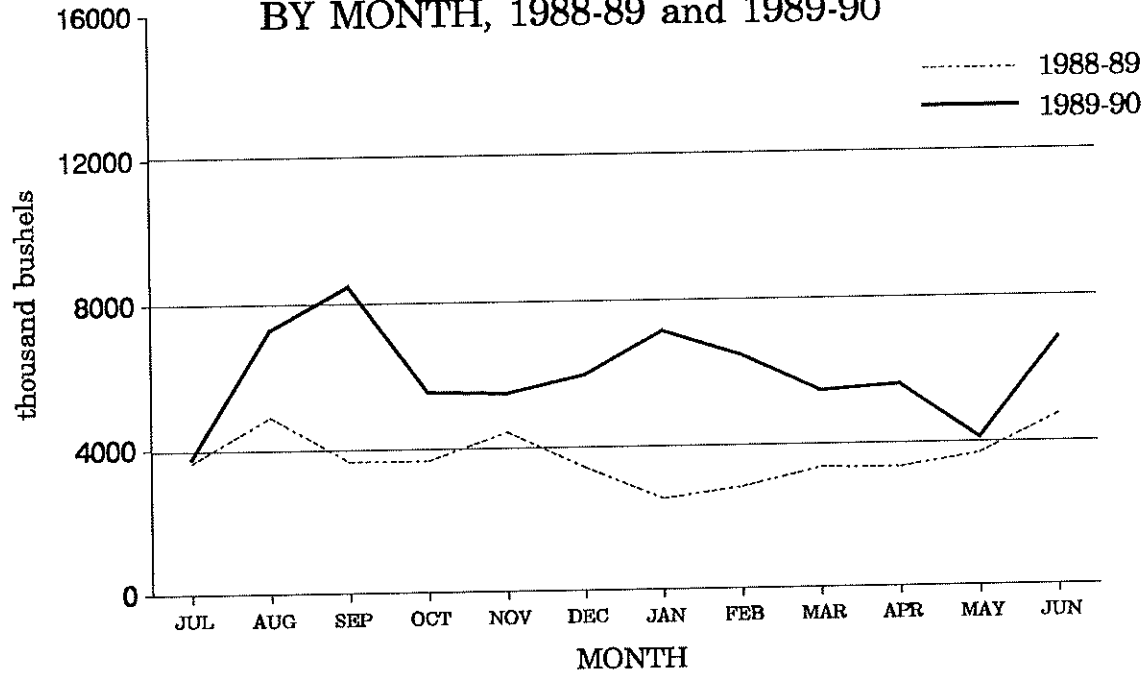
DURUM SHIPMENTS

1980-81 to 1989-90



DURUM SHIPMENTS

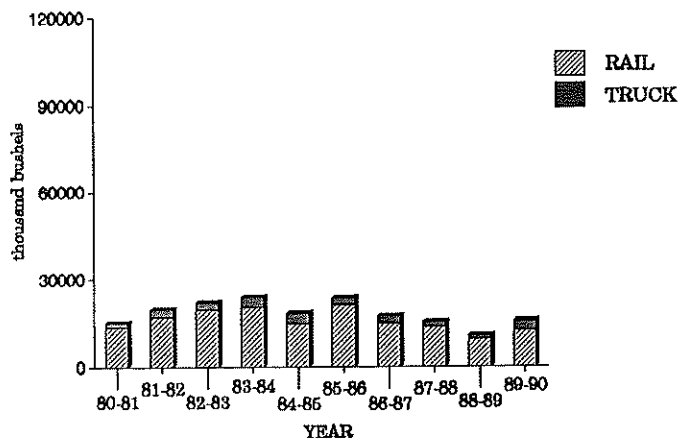
BY MONTH, 1988-89 and 1989-90



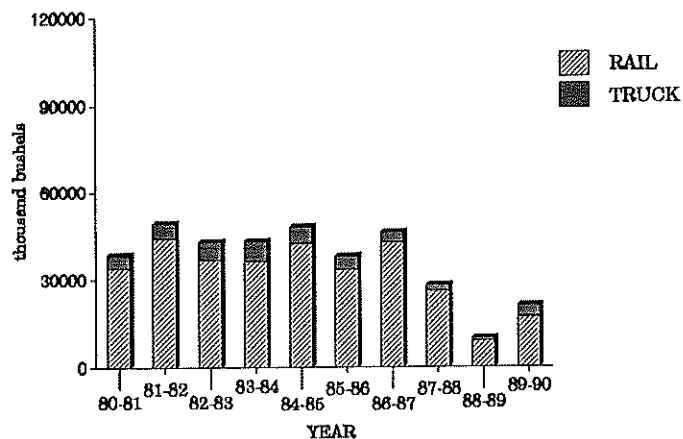
NORTH DAKOTA DURUM SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	14,664	2,360	29,747	5,790	481	1,155	9,681	1,147	54,573	10,452
	(86%)	(14%)	(84%)	(16%)	(29%)	(71%)	(89%)	(11%)	(84%)	(16%)
1977-78	14,576	1,902	52,552	9,438	871	468	7,419	1,139	75,418	12,947
	(88%)	(12%)	(85%)	(15%)	(65%)	(35%)	(87%)	(13%)	(85%)	(15%)
1978-79	15,950	2,847	47,950	13,023	1,341	203	5,797	1,548	71,038	17,621
	(85%)	(15%)	(79%)	(21%)	(87%)	(13%)	(79%)	(21%)	(80%)	(20%)
1979-80	22,408	4,304	48,415	8,964	1,254	252	7,178	1,807	79,255	15,327
	(81%)	(19%)	(84%)	(16%)	(83%)	(17%)	(80%)	(20%)	(84%)	(16%)
1980-81	13,599	1,447	33,852	4,650	353	130	7,834	1,326	55,638	7,553
	(90%)	(10%)	(88%)	(12%)	(73%)	(27%)	(86%)	(14%)	(88%)	(12%)
1981-82	17,013	2,754	43,972	5,271	443	177	10,662	1,588	72,090	9,790
	(86%)	(14%)	(89%)	(11%)	(71%)	(29%)	(87%)	(13%)	(88%)	(12%)
1982-83	19,464	2,546	36,670	6,149	541	194	10,034	3,533	66,710	12,422
	(88%)	(12%)	(86%)	(14%)	(73%)	(26%)	(74%)	(26%)	(84%)	(16%)
1983-84	20,380	3,462	36,166	6,976	1,322	56	14,546	2,032	72,415	12,527
	(86%)	(14%)	(84%)	(16%)	(96%)	(4%)	(88%)	(12%)	(85%)	(15%)
1984-85	14,652	3,700	42,238	5,899	1,241	180	9,856	2,905	67,987	12,684
	(80%)	(20%)	(88%)	(12%)	(87%)	(13%)	(77%)	(23%)	(84%)	(16%)
1985-86	21,191	2,307	33,330	4,695	2,850	75	18,695	4,200	76,067	11,278
	(90%)	(10%)	(88%)	(12%)	(97%)	(3%)	(82%)	(18%)	(87%)	(13%)
1986-87	14,679	2,671	42,543	3,608	2,932	37	34,843	3,656	94,996	9,972
	(85%)	(15%)	(92%)	(8%)	(99%)	(1%)	(91%)	(9%)	(91%)	(9%)
1987-88	13,662	1,685	25,969	2,246	1,110	73	26,542	6,107	67,283	10,111
	(89%)	(11%)	(92%)	(6%)	(94%)	(6%)	(81%)	(19%)	(87%)	(13%)
1988-89	9,421	1,244	8,995	1,037	1,426	10	15,444	6,324	35,288	8,617
	(88%)	(12%)	(90%)	(10%)	(99%)	(1%)	(71%)	(29%)	(80%)	(20%)
1989-90	12,346	3,265	17,022	4,081	1,118	8	28,039	6,123	58,525	13,478
	(79%)	(21%)	(81%)	(19%)	(99%)	(1%)	(82%)	(18%)	(81%)	(19%)

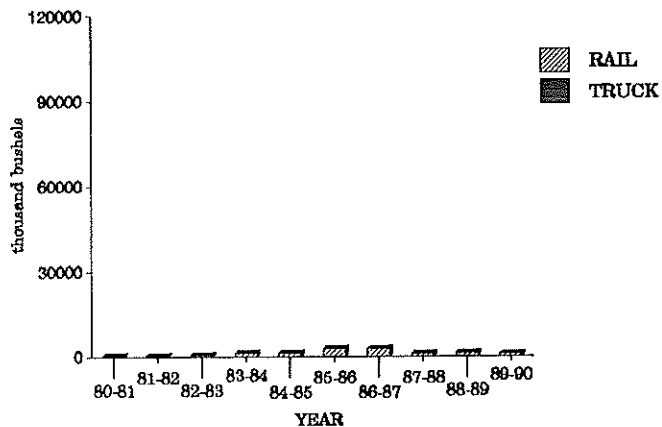
DURUM TO MPLS
1980-81 to 1989-90



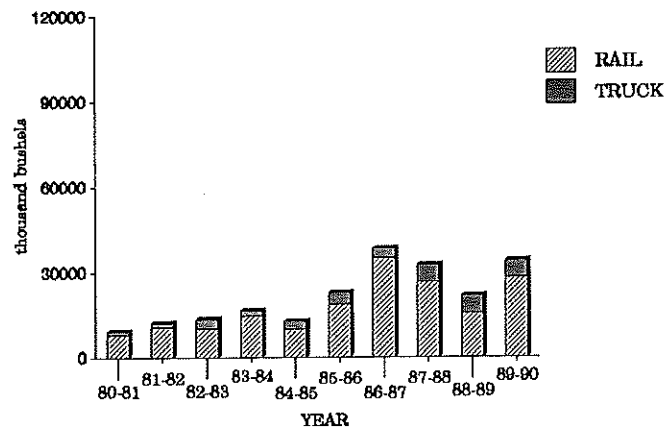
DURUM TO D/S
1980-81 to 1989-90



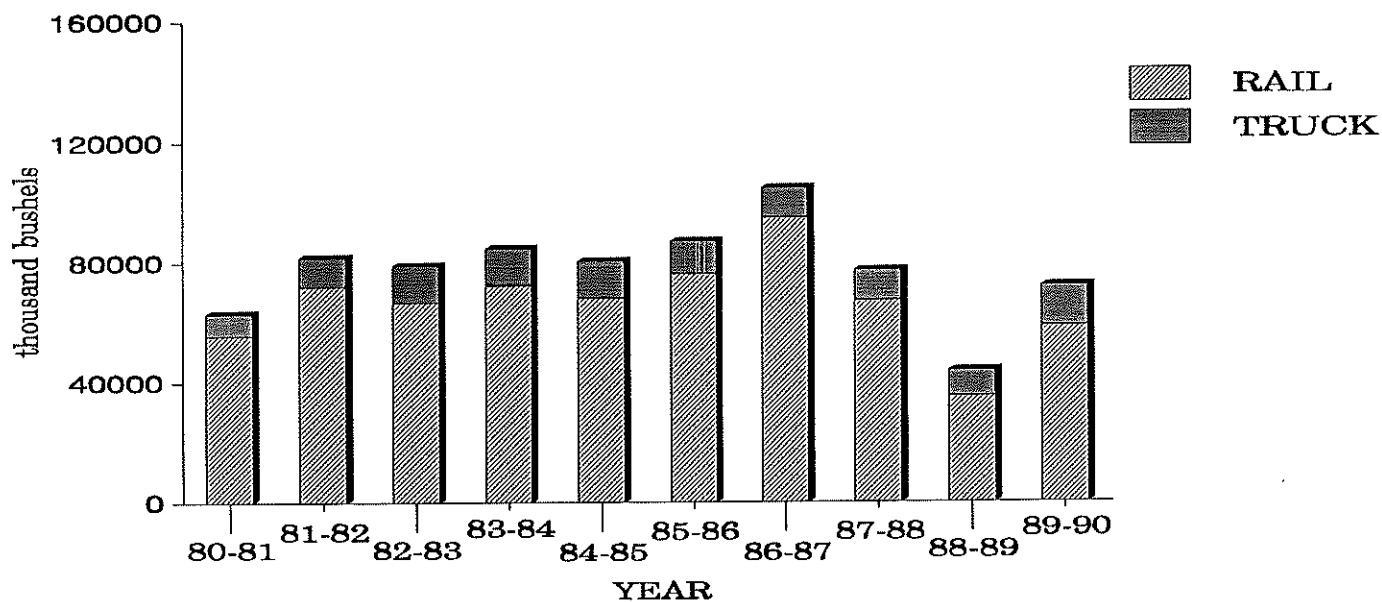
DURUM TO WEST
1980-81 to 1989-90



DURUM TO MISC
1980-81 to 1989-90



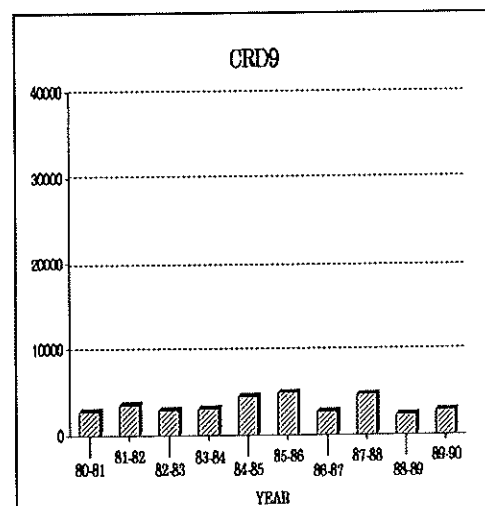
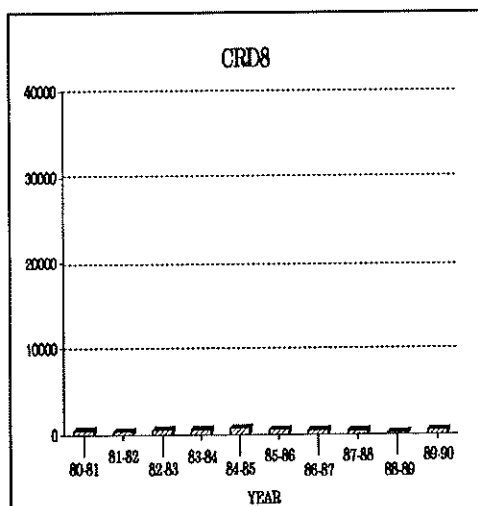
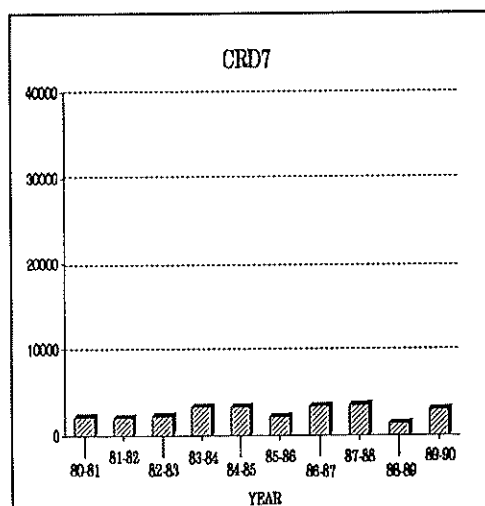
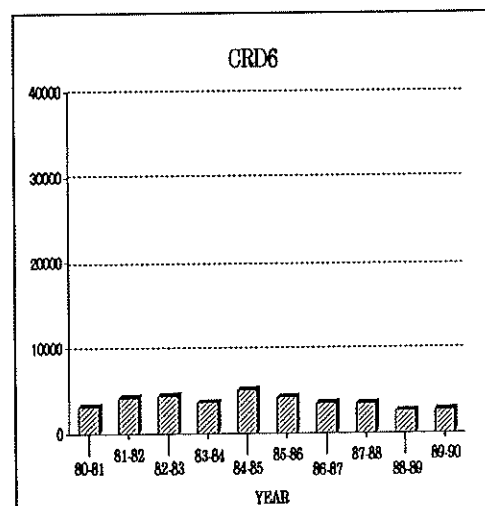
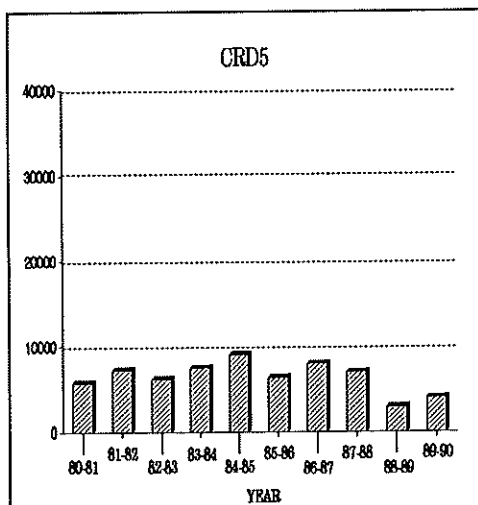
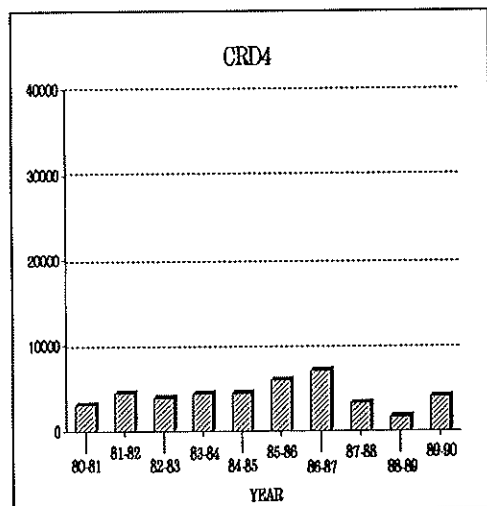
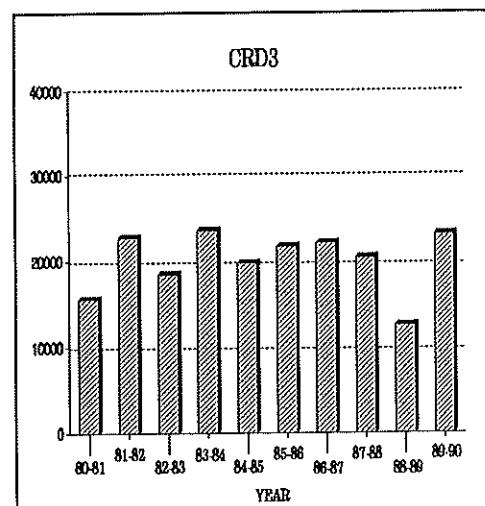
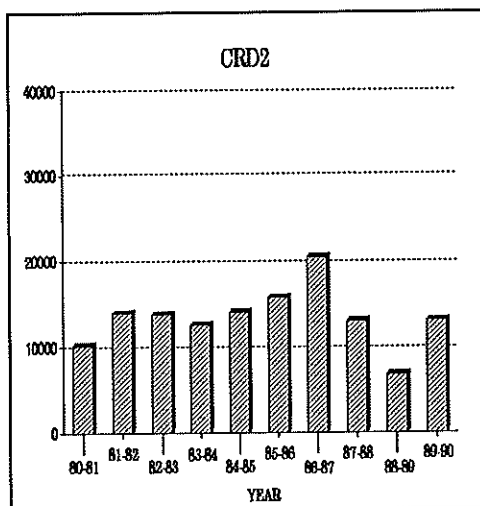
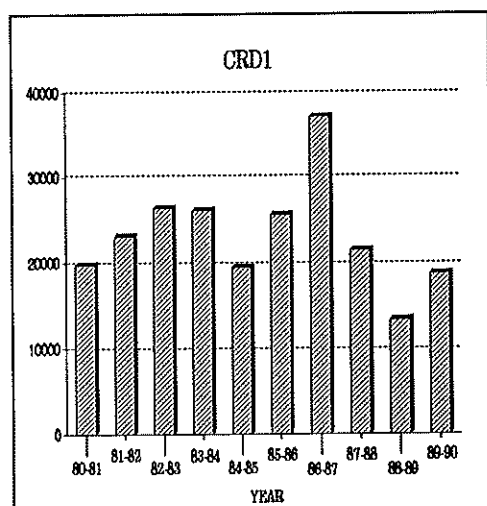
DURUM SHIPMENTS
1980-81 to 1989-90



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

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

DURUM SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



BARLEY

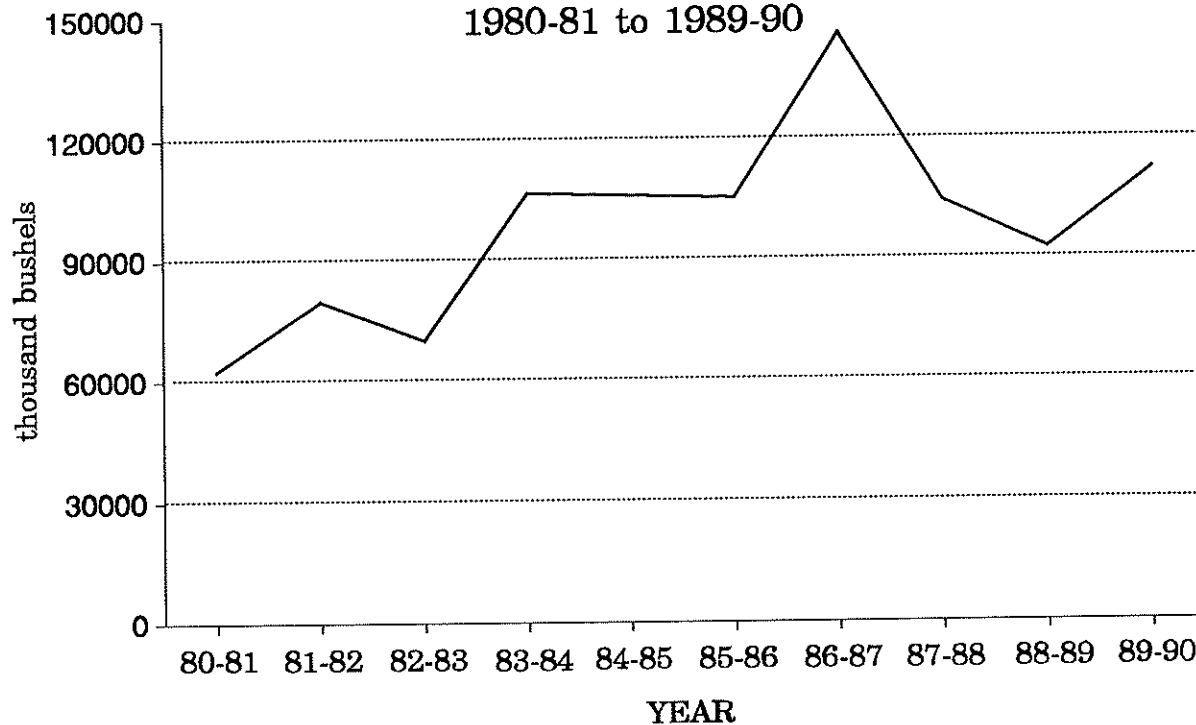
NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION
(thousand bu.)

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
1976-77	39,728 (54%)	26,672 (36%)	126 (1%)	6,788 (9%)	73,314 (100%)
1977-78	25,006 (40%)	22,394 (35%)	792 (1%)	14,923 (24%)	63,115 (100%)
1978-79	27,092 (39%)	12,786 (18%)	1,204 (2%)	28,566 (41%)	69,648 (100%)
1979-80	29,169 (37%)	22,643 (29%)	753 (1%)	26,056 (33%)	78,621 (100%)
1980-81	20,034 (32%)	14,214 (23%)	2,147 (3%)	26,277 (42%)	62,672 (100%)
1981-82	19,942 (25%)	31,671 (40%)	1,156 (1%)	27,032 (34%)	79,801 (100%)
1982-83	20,857 (30%)	12,544 (18%)	1,766 (3%)	34,939 (50%)	70,106 (100%)
1983-84	21,394 (20%)	38,578 (36%)	4,290 (4%)	42,383 (40%)	106,645 (100%)
1984-85	22,827 (22%)	26,665 (25%)	9,473 (9%)	47,064 (44%)	106,030 (100%)
1985-86	20,434 (19%)	8,175 (8%)	9,554 (9%)	67,273 (64%)	105,436 (100%)
1986-87	29,521 (20%)	10,136 (7%)	42,849 (29%)	63,836 (44%)	146,342 (100%)
1987-88	27,230 (26%)	16,112 (15%)	5,625 (5%)	55,432 (53%)	104,399 (100%)
1988-89	22,691 (24%)	9,735 (11%)	6,850 (7%)	53,438 (58%)	92,715 (100%)
1989-90	23,464 (21%)	22,893 (20%)	6,857 (6%)	59,042 ^a (53%)	112,256 (100%)

^a Miscellaneous markets include shipments to Midland/Southwest destinations (19.1 million bushels or 17%), other Minnesota/Wisconsin destinations (15.9 million bushels or 14%), North Dakota destinations (14.1 million bushels or 13%), and all other markets (9.9 million bushels or 9%).

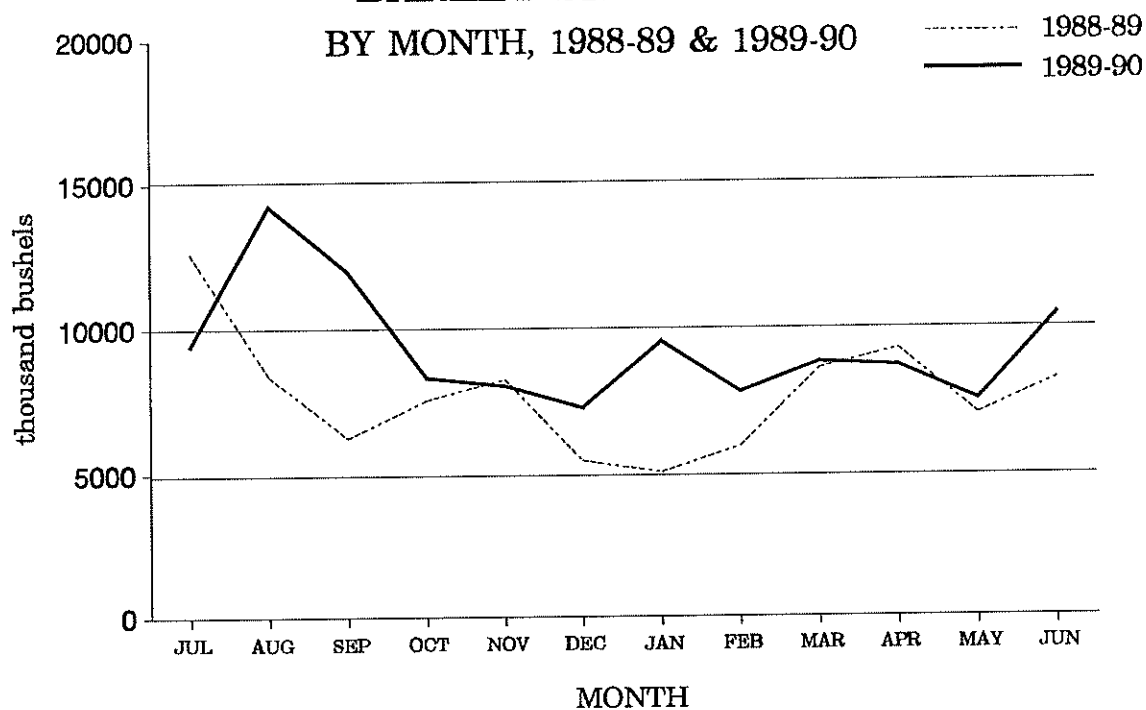
BARLEY SHIPMENTS

1980-81 to 1989-90



BARLEY SHIPMENTS

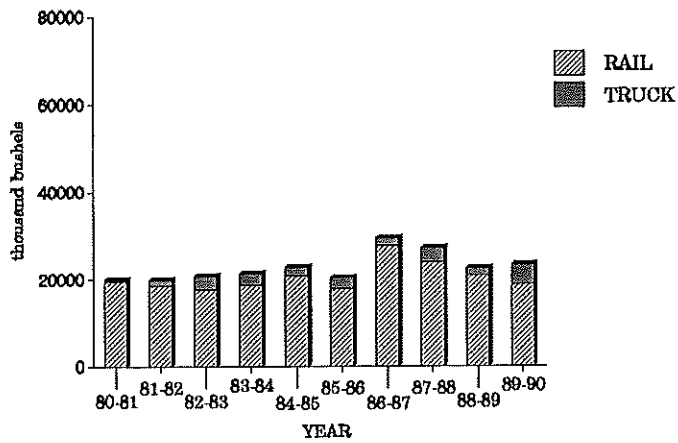
BY MONTH, 1988-89 & 1989-90



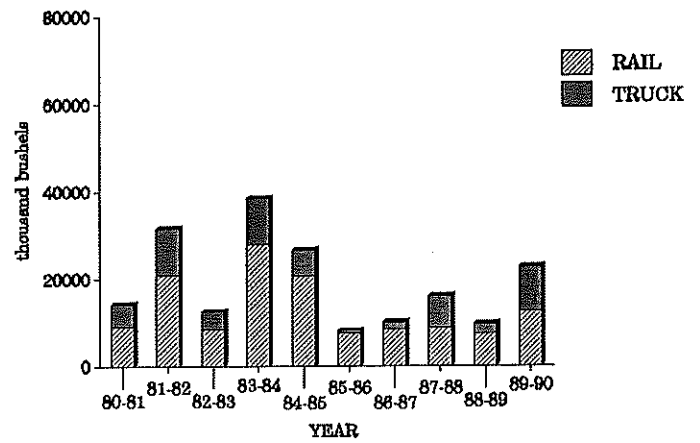
**NORTH DAKOTA BARLEY SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	37,974	1,753	5,792	20,880	74	52	4,329	2,459	48,169	25,144
	(96%)	(4%)	(22%)	(78%)	(58%)	(42%)	(64%)	(36%)	(66%)	(34%)
1977-78	23,111	1,895	6,145	16,249	323	469	11,583	3,340	41,162	21,953
	(92%)	(8%)	(27%)	(73%)	(41%)	(59%)	(78%)	(22%)	(65%)	(35%)
1978-79	25,414	1,678	7,578	5,210	677	527	18,656	9,910	52,325	17,325
	(94%)	(6%)	(59%)	(41%)	(56%)	(44%)	(65%)	(35%)	(75%)	(25%)
1979-80	27,963	1,206	15,697	6,945	301	452	17,728	8,328	61,689	16,931
	(96%)	(4%)	(69%)	(31%)	(40%)	(60%)	(68%)	(32%)	(79%)	(21%)
1980-81	19,535	499	9,025	5,189	92	2,055	19,133	7,144	47,785	14,887
	(98%)	(2%)	(63%)	(37%)	(4%)	(96%)	(73%)	(27%)	(76%)	(24%)
1981-82	18,619	1,323	20,889	10,782	247	910	20,189	6,844	59,943	19,858
	(93%)	(7%)	(66%)	(34%)	(21%)	(79%)	(75%)	(25%)	(75%)	(25%)
1982-83	17,680	3,176	8,484	4,060	179	1,586	28,994	5,946	55,337	14,768
	(85%)	(15%)	(68%)	(32%)	(10%)	(90%)	(83%)	(17%)	(79%)	(21%)
1983-84	18,763	2,631	27,896	10,682	3,782	509	36,784	5,599	87,225	19,420
	(88%)	(12%)	(72%)	(28%)	(88%)	(12%)	(87%)	(13%)	(82%)	(18%)
1984-85	20,821	2,006	20,822	5,843	8,508	965	37,750	9,314	87,901	18,128
	(91%)	(9%)	(78%)	(22%)	(90%)	(10%)	(80%)	(20%)	(83%)	(17%)
1985-86	17,888	2,546	7,610	565	8,444	1,110	57,775	9,498	91,717	13,719
	(88%)	(12%)	(93%)	(7%)	(88%)	(12%)	(86%)	(14%)	(87%)	(13%)
1986-87	27,731	1,789	8,429	1,707	42,590	259	57,444	6,392	136,194	10,148
	(94%)	(6%)	(83%)	(17%)	(99%)	(1%)	(90%)	(10%)	(93%)	(7%)
1987-88	23,958	3,272	8,827	7,285	5,310	315	45,453	9,979	83,548	20,851
	(88%)	(12%)	(55%)	(45%)	(94%)	(6%)	(82%)	(18%)	(80%)	(20%)
1988-89	20,908	1,782	7,395	2,340	6,531	318	41,631	11,806	76,467	16,248
	(92%)	(8%)	(76%)	(24%)	(95%)	(5%)	(78%)	(22%)	(82%)	(18%)
1989-90	18,892	4,572	12,603	10,290	6,484	373	46,804	12,237	84,784	27,472
	(81%)	(19%)	(55%)	(45%)	(95%)	(5%)	(79%)	(21%)	(76%)	(24%)

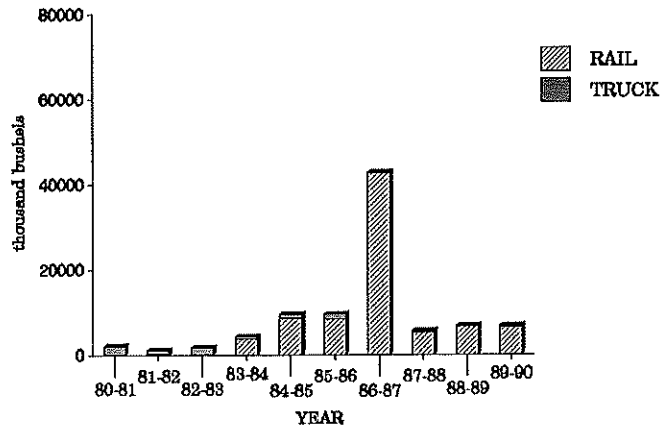
BARLEY TO MPLS
1980-81 to 1989-90



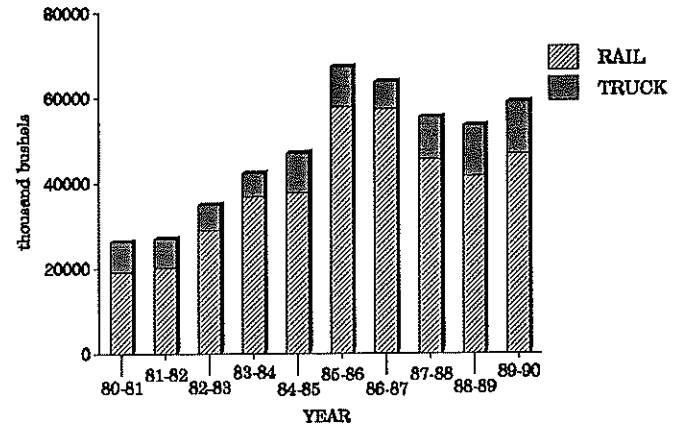
BARLEY TO D/S
1980-81 to 1989-90



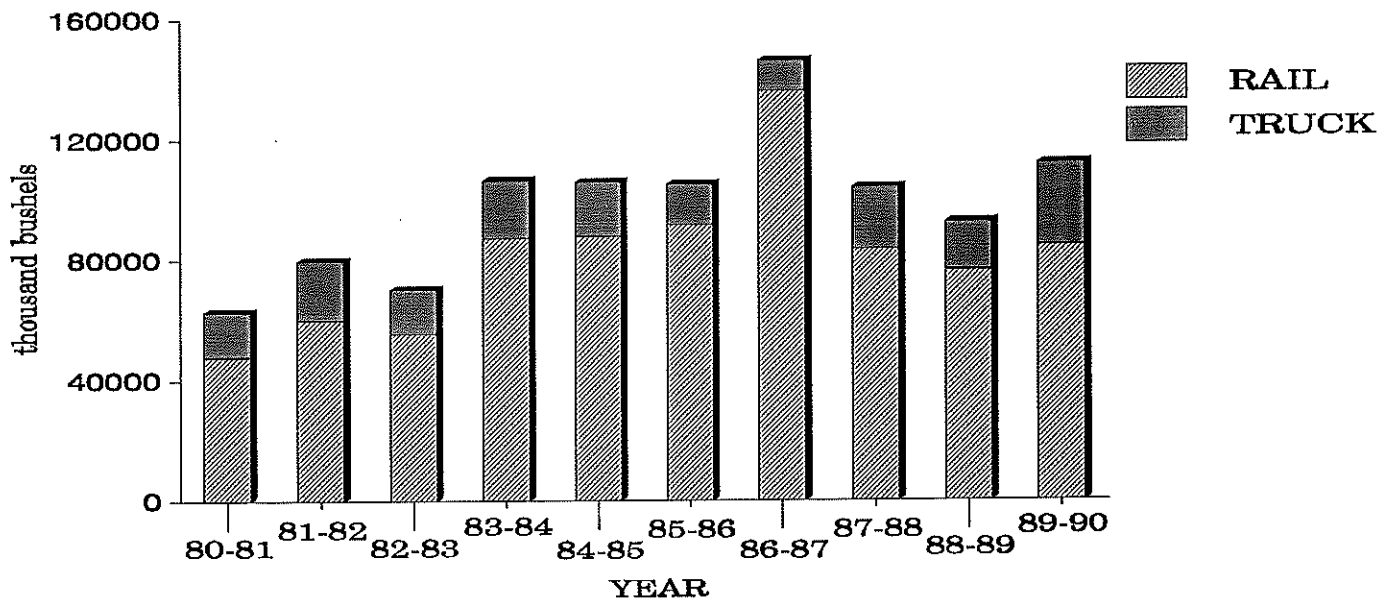
BARLEY TO WEST
1980-81 to 1989-90



BARLEY TO MISC
1980-81 to 1989-90



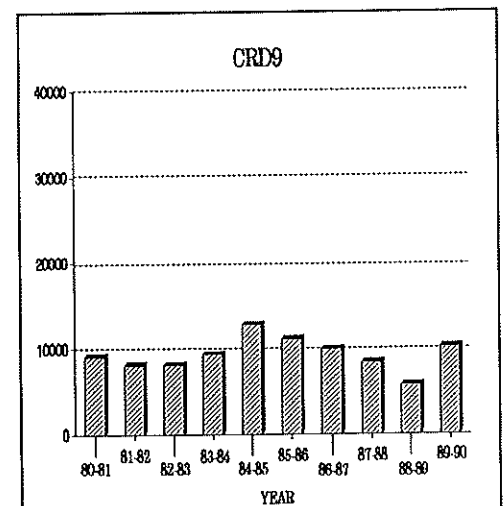
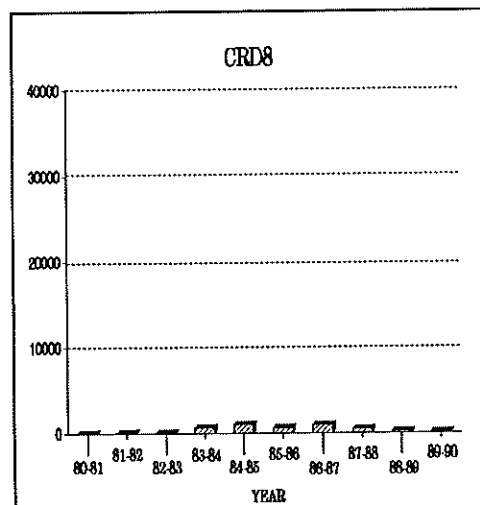
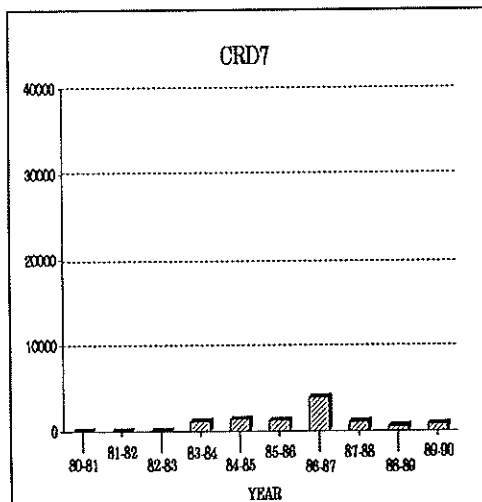
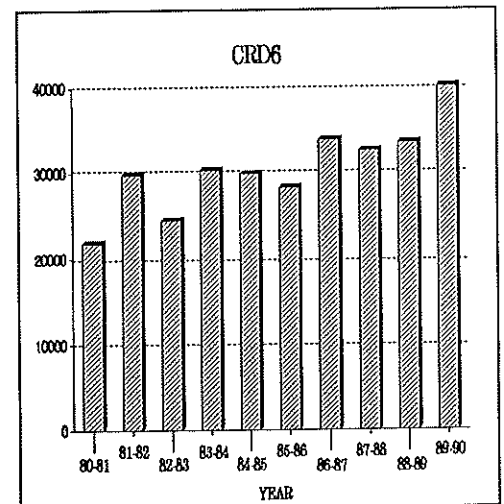
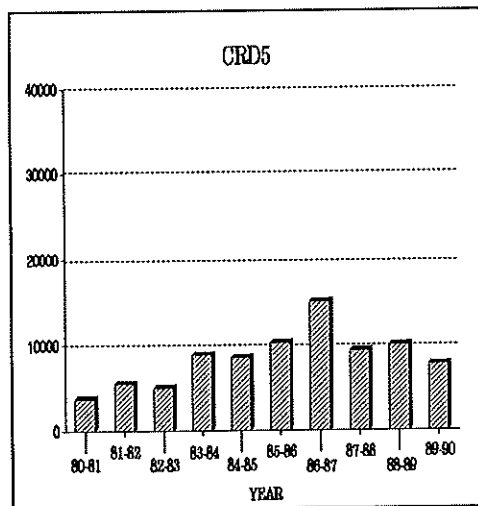
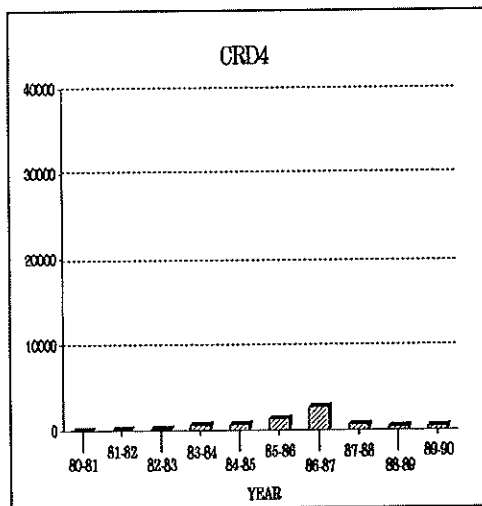
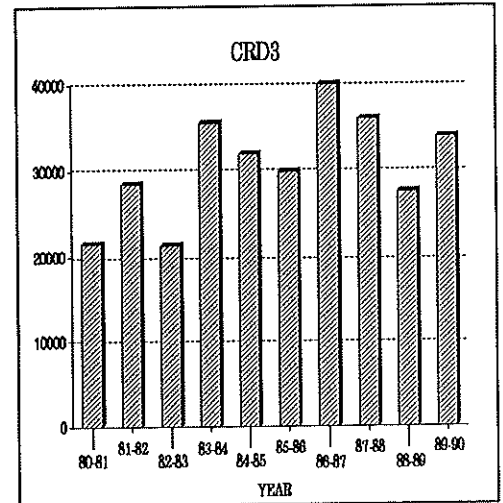
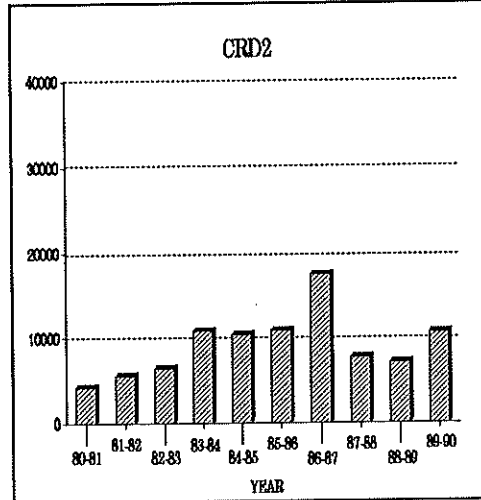
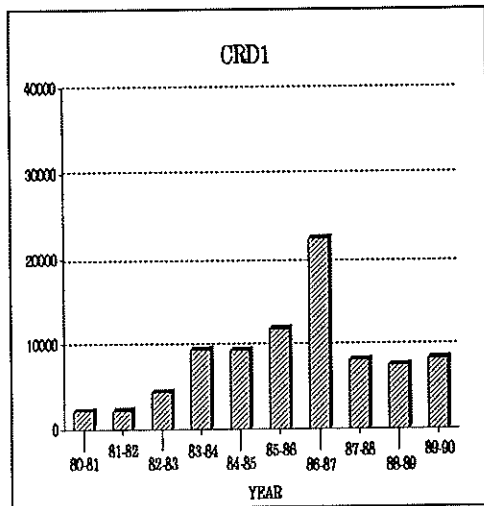
BARLEY SHIPMENTS
1980-81 to 1989-90



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

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

BARLEY SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



SUNFLOWER

NORTH DAKOTA SUNFLOWER SHIPMENTS
BY DESTINATION
(thousand bu.)

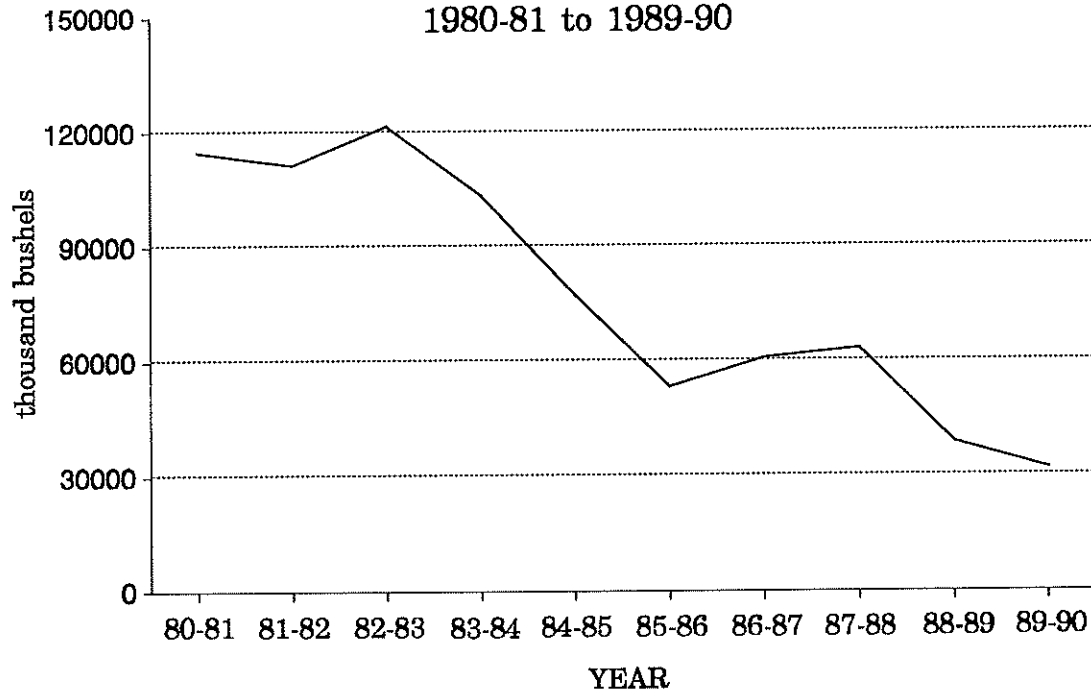
YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	NORTH DAKOTA	MISC. MARKETS	TOTAL
1976-77	863 (6%)	8,693 (56%)	-	6,066 (39%)	15,622 (100%)
1977-78	2,992 (6%)	38,019 (74%)	-	10,267 (20%)	51,278 (100%)
1978-79	4,790 (6%)	63,178 (80%)	-	11,285 (14%)	79,253 (100%)
1979-80	6,154 (6%)	69,422 (72%)	-	20,364 (22%)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

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

^b Miscellaneous markets for sunflower in 1989-90 include Other Minnesota and Wisconsin destinations (2.3 millions bushels or 7%), Midland/Southwest markets (1.2 million bushels or 4%), Pacific Northwest destinations (76,000 bushels or less than 1%), and all other markets (5.0 million bushels or 16%).

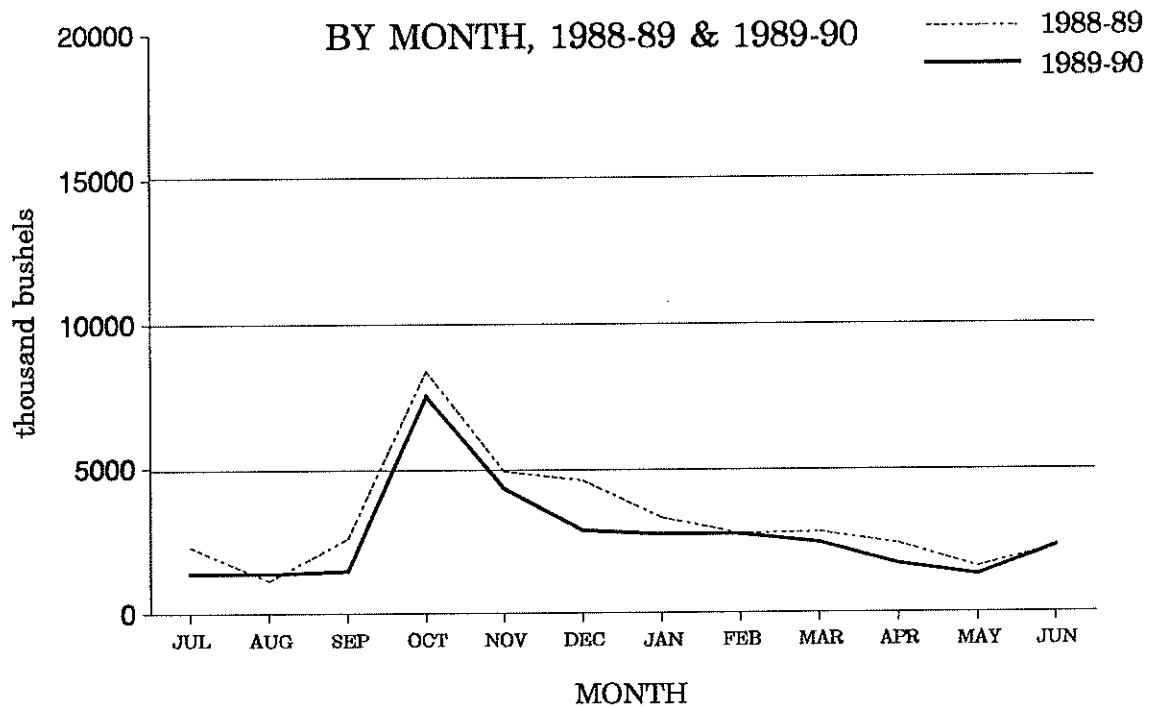
SUNFLOWER SHIPMENTS

1980-81 to 1989-90



SUNFLOWER SHIPMENTS

BY MONTH, 1988-89 & 1989-90



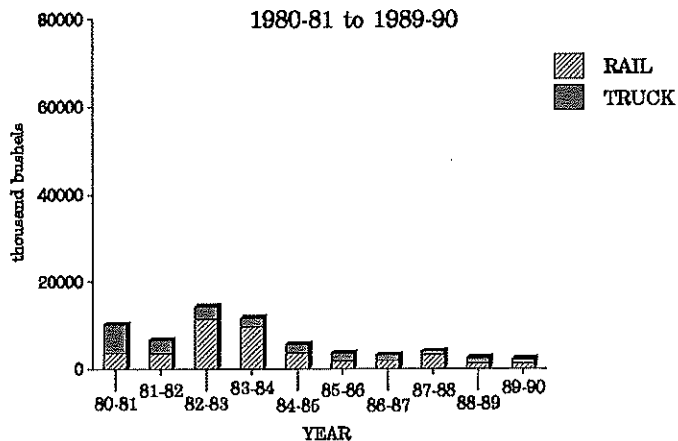
NORTH DAKOTA SUNFLOWER SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)

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

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

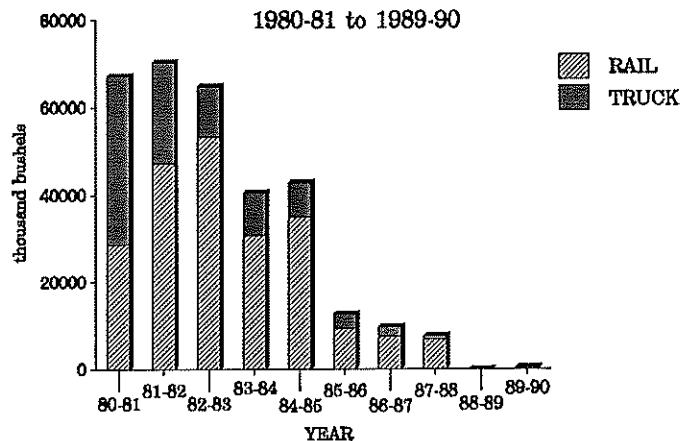
SUNFLOWER TO MPLS

1980-81 to 1989-90



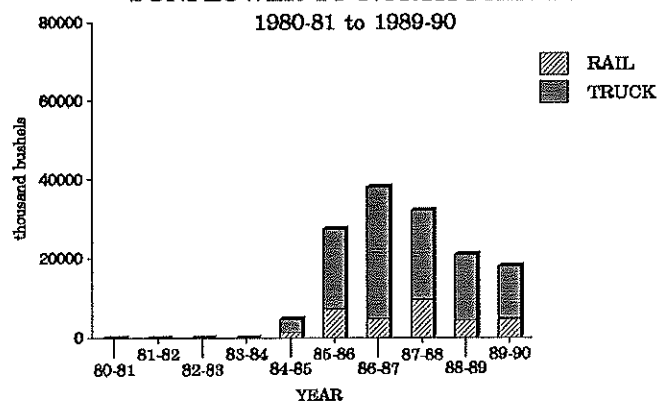
SUNFLOWER TO D/S

1980-81 to 1989-90



SUNFLOWER TO NORTH DAKOTA

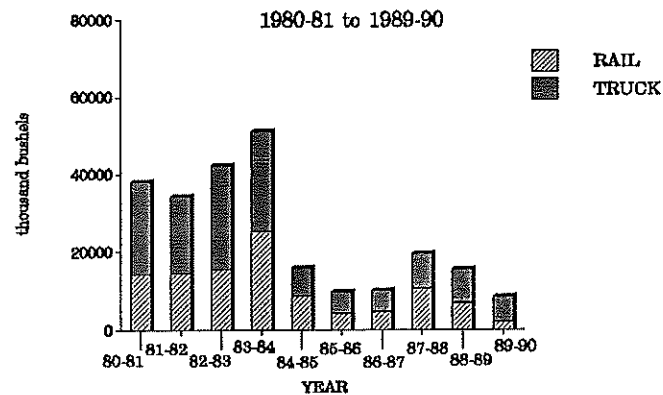
1980-81 to 1989-90



Prior to 1984-1985, shipments to North Dakota destinations were included in Misc.

SUNFLOWER TO MISC

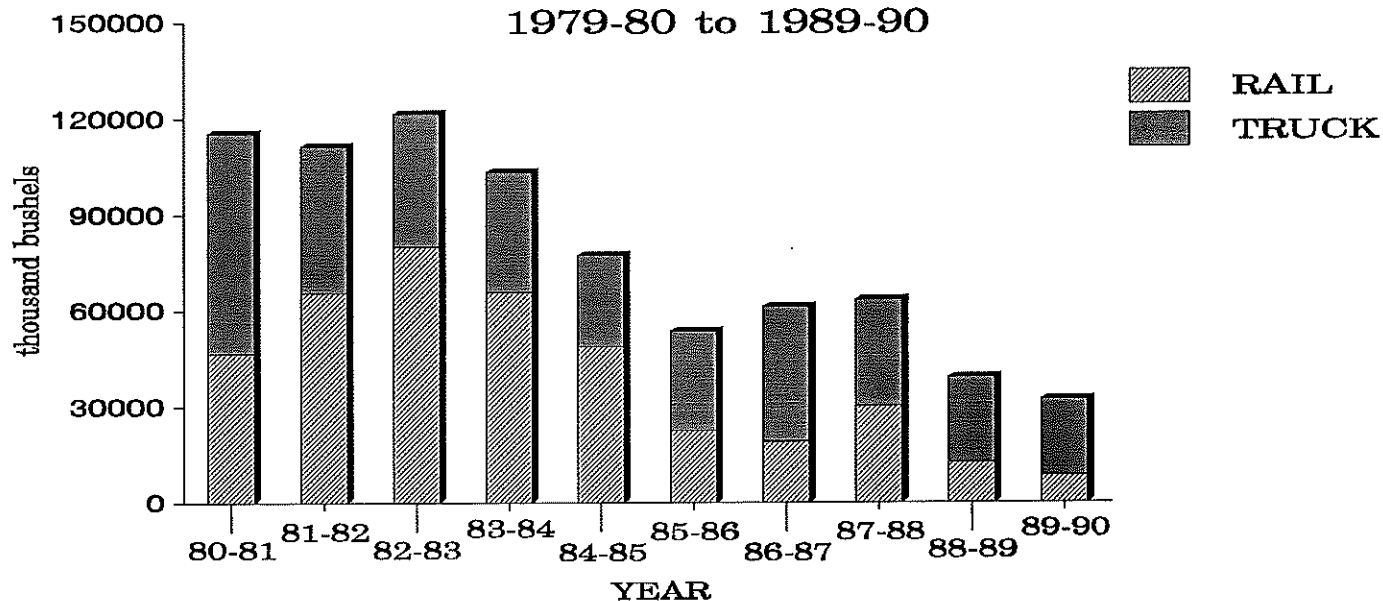
1980-81 to 1989-90



Prior to 1984-1985, shipments to North Dakota destinations were included in Misc.

ALL SUNFLOWER SHIPMENTS

1979-80 to 1989-90

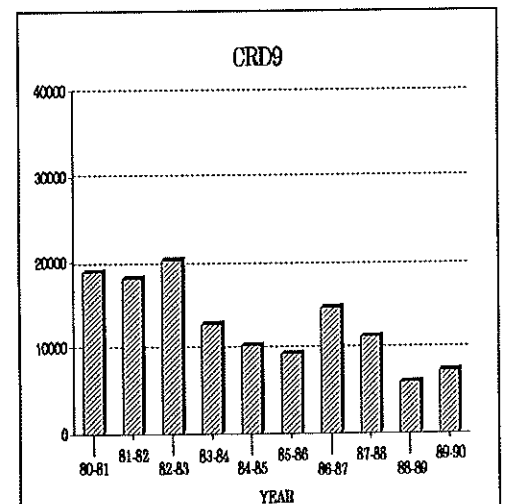
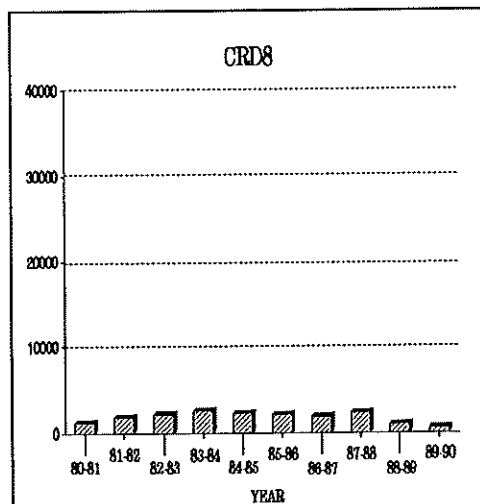
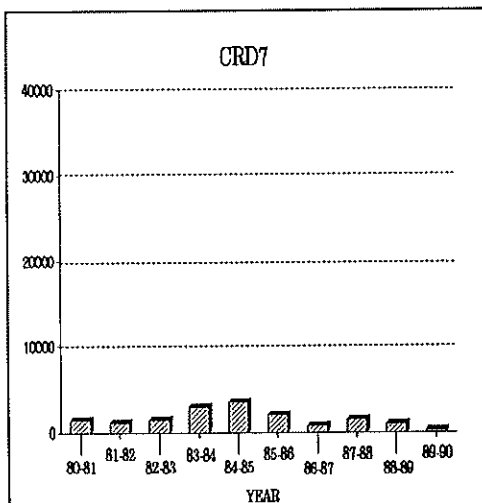
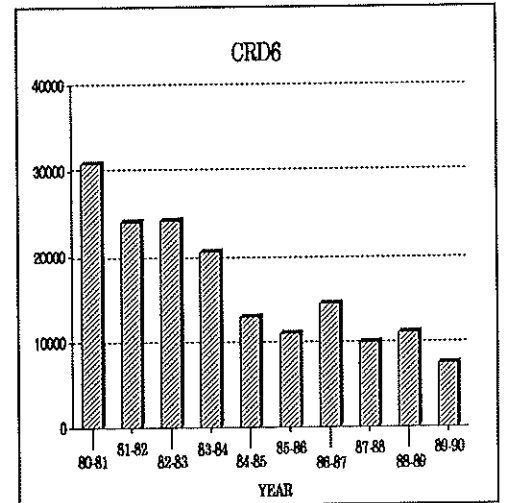
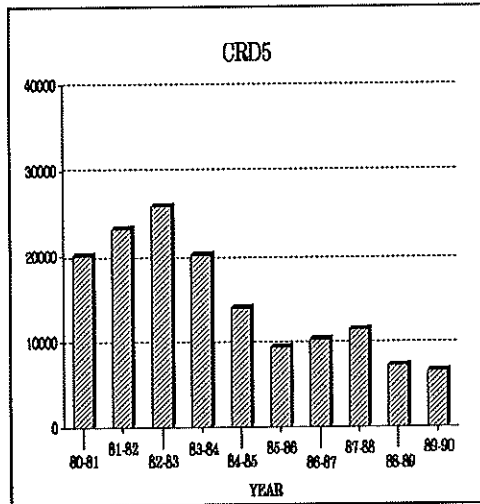
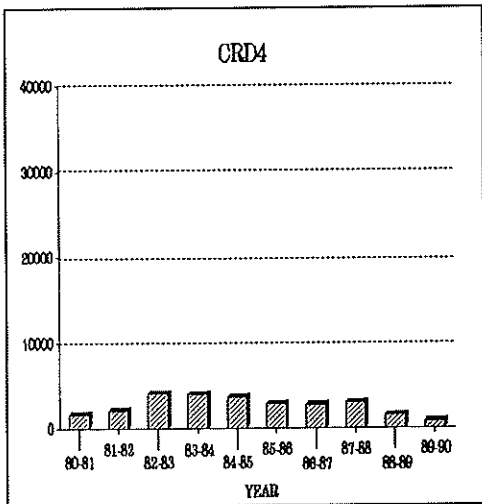
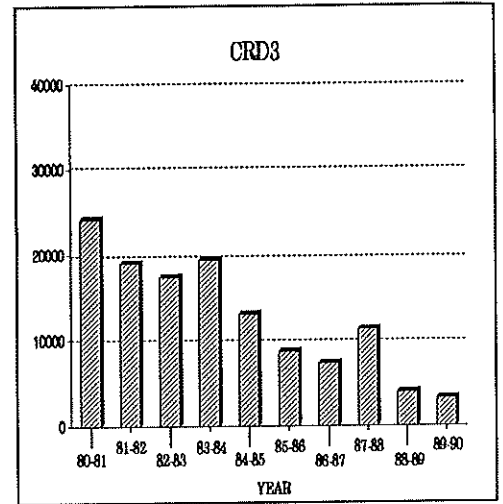
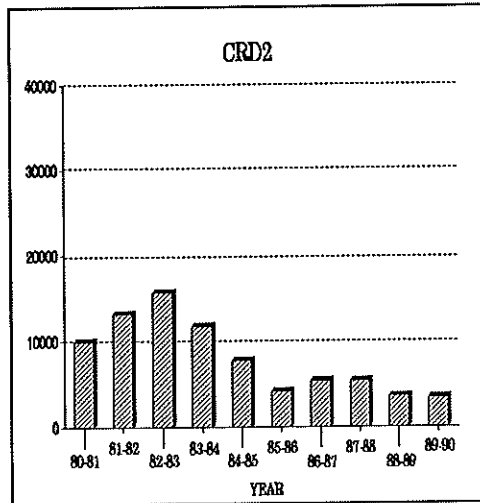
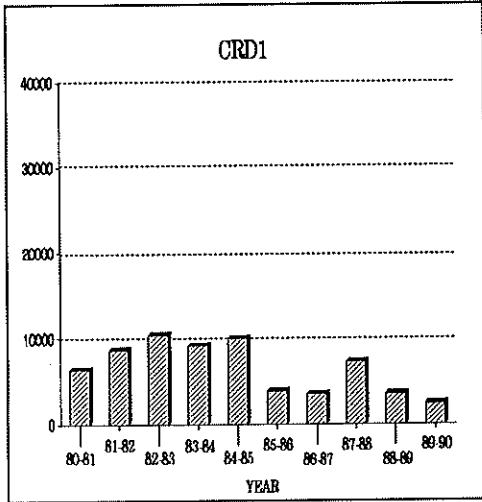


NORTH DAKOTA SUNFLOWER SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN
(thousand bu.)

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

SUNFLOWER SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



OATS

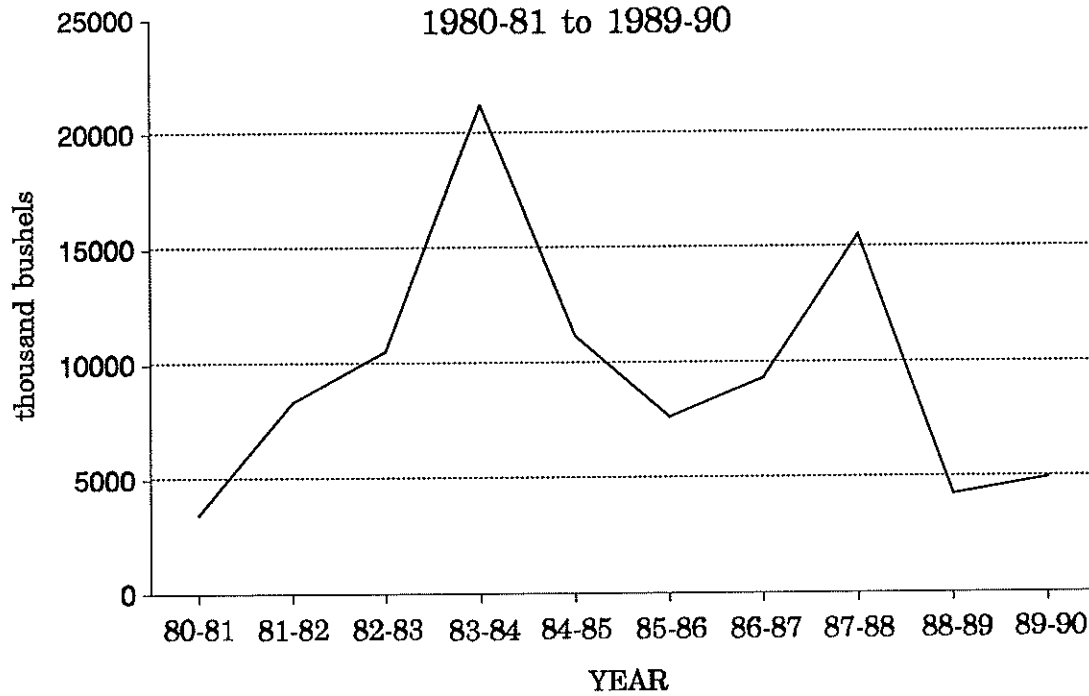
NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION
(thousand bu.)

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

^a Miscellaneous markets include shipments to North Dakota destinations (0.4 million bushels or 7%), Midland/Southwest destinations (0.3 million bushels or 6%), other Minnesota/Wisconsin destinations (0.3 million bushels or 6%), and all other markets (0.8 million bushels or 16%).

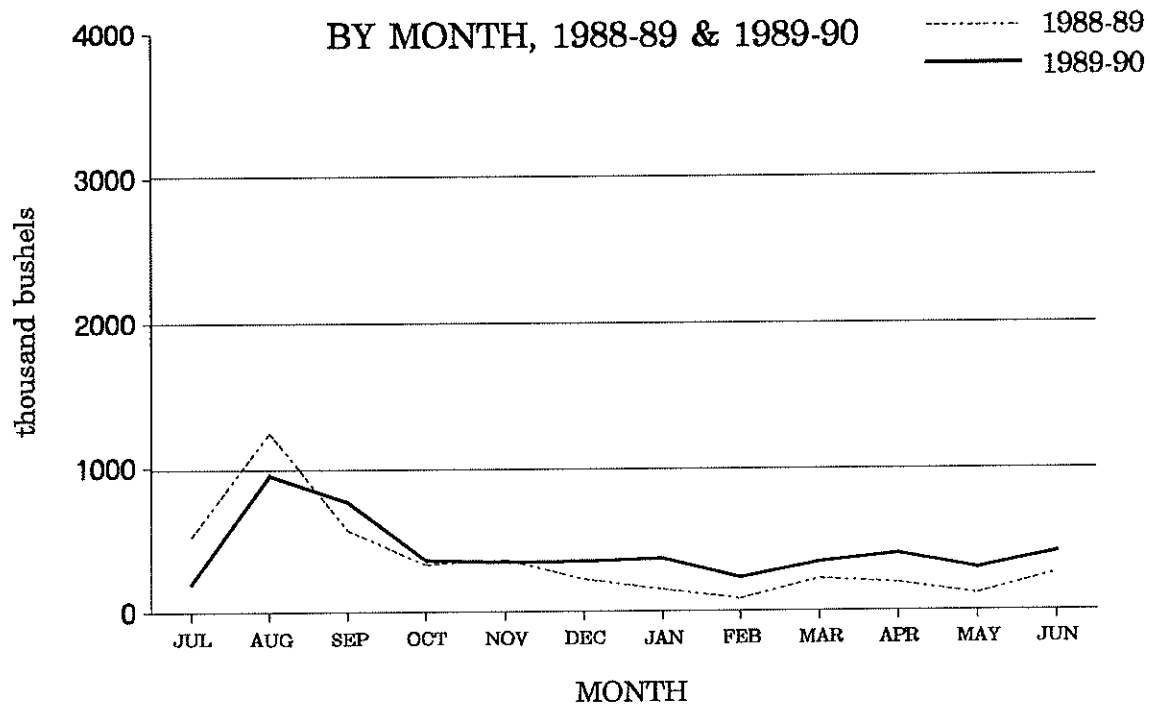
OATS SHIPMENTS

1980-81 to 1989-90



OATS SHIPMENTS

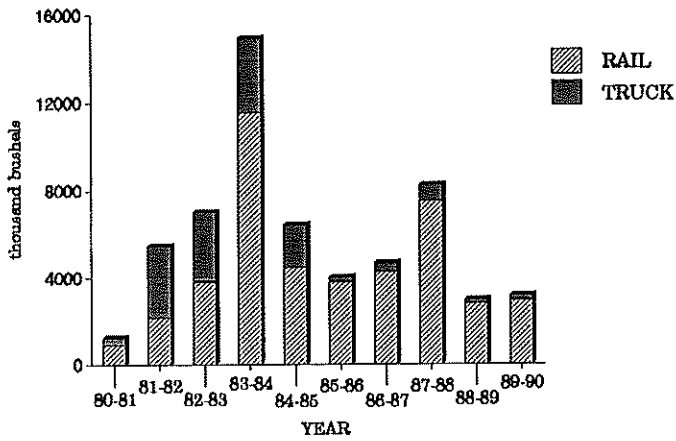
BY MONTH, 1988-89 & 1989-90



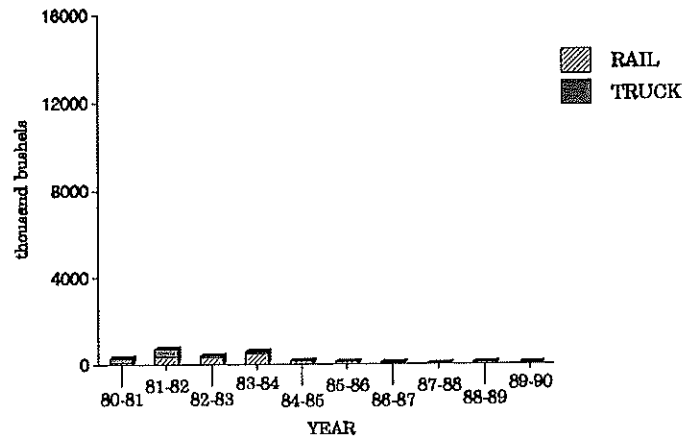
**NORTH DAKOTA OATS SHIPMENTS
BY RAIL, TRUCK AND DESTINATION**
(thousand bu.)

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

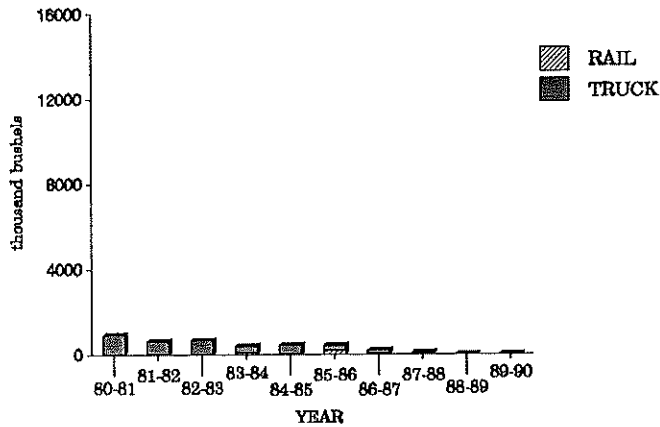
OATS TO MPLS
1980-81 to 1989-90



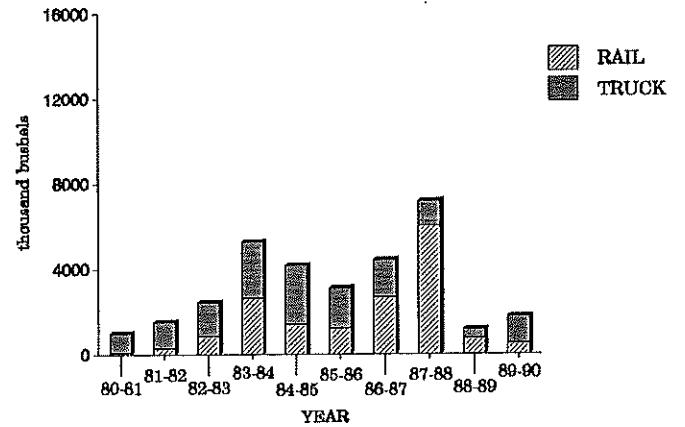
OATS TO D/S
1980-81 to 1989-90



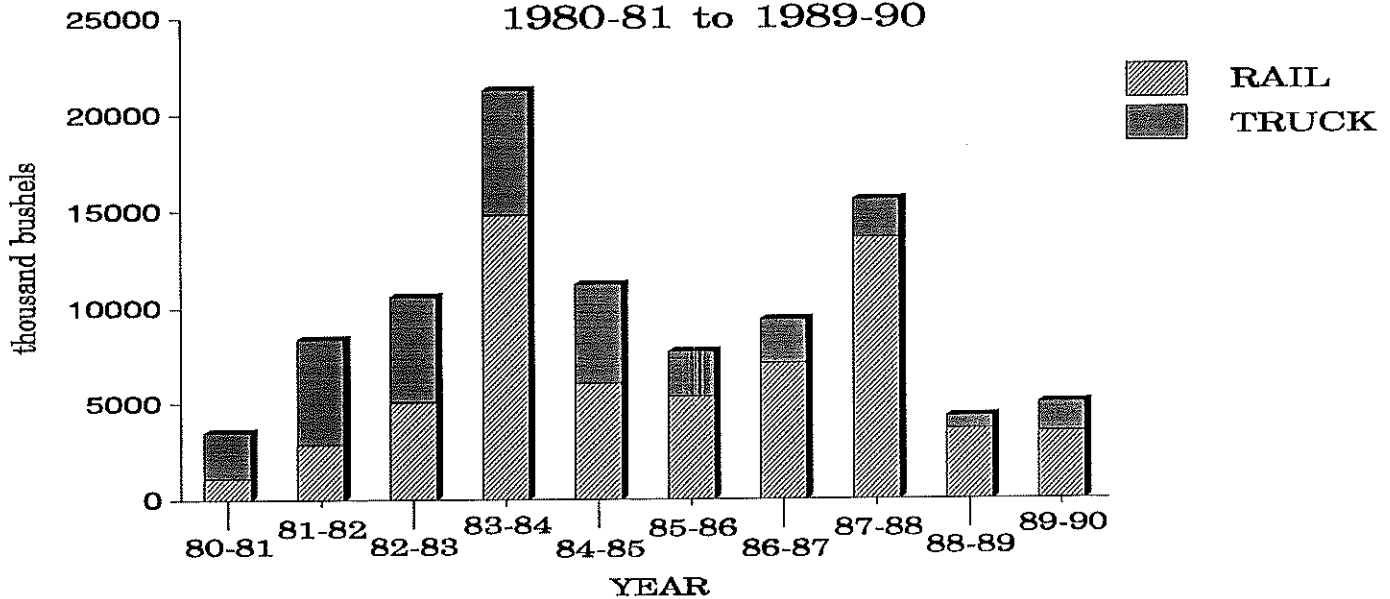
OATS TO WEST
1980-81 to 1989-90



OATS TO MISC
1980-81 to 1989-90



ALL OATS SHIPMENTS
1980-81 to 1989-90

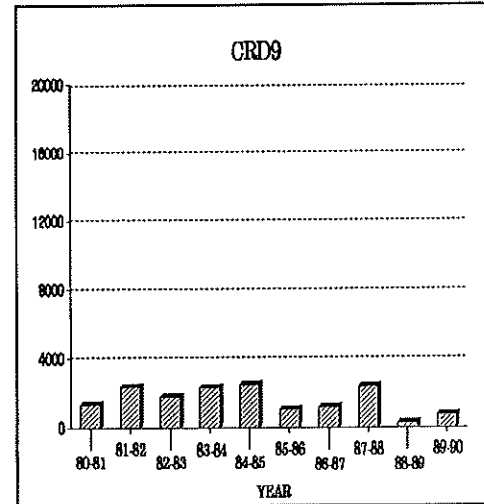
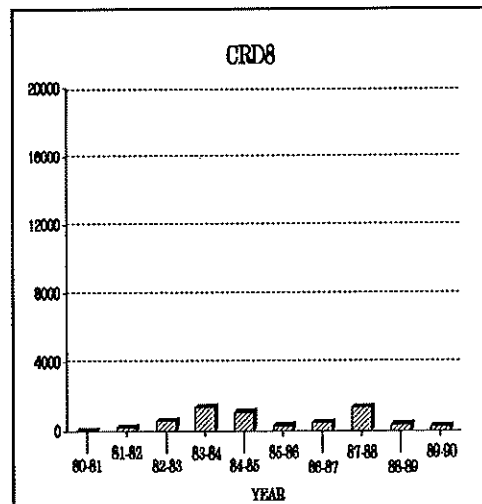
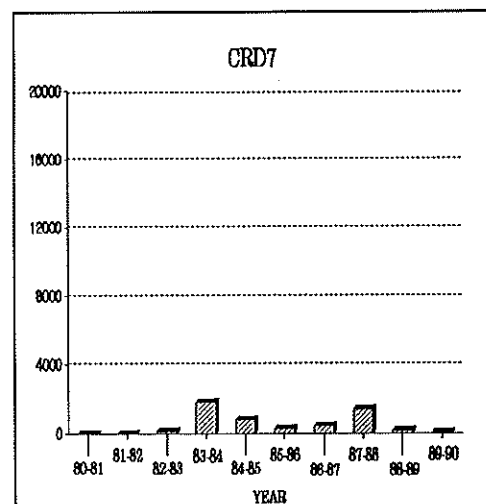
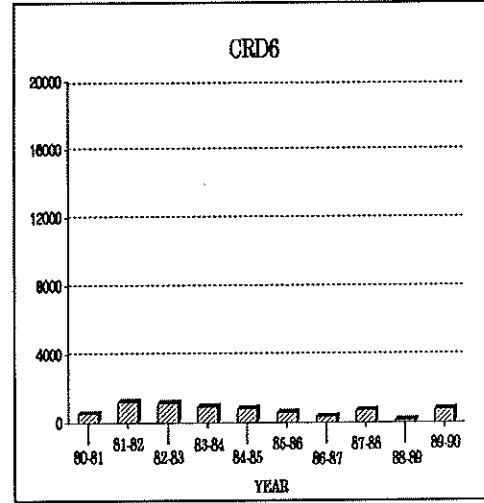
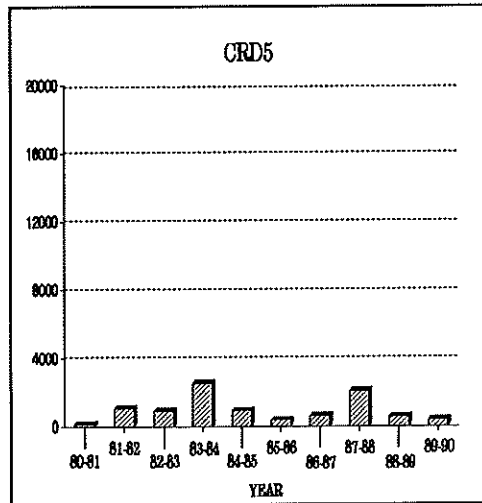
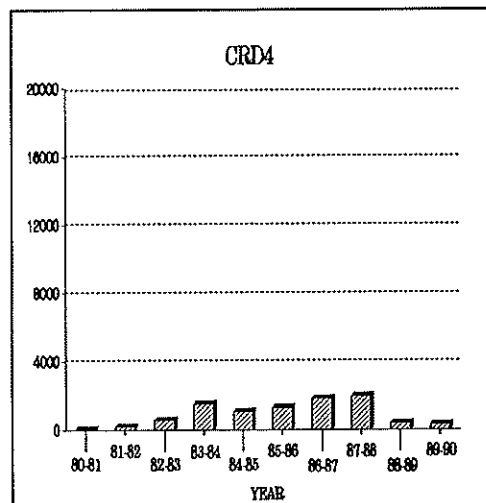
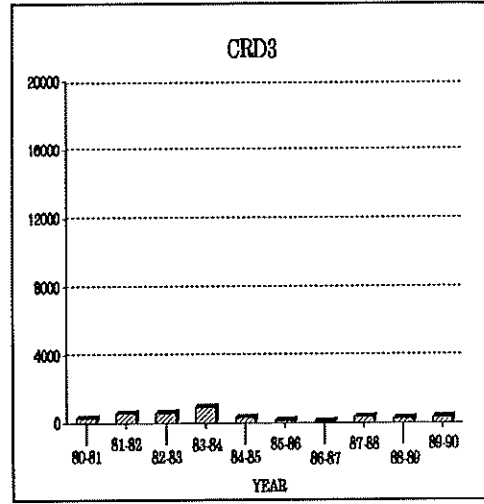
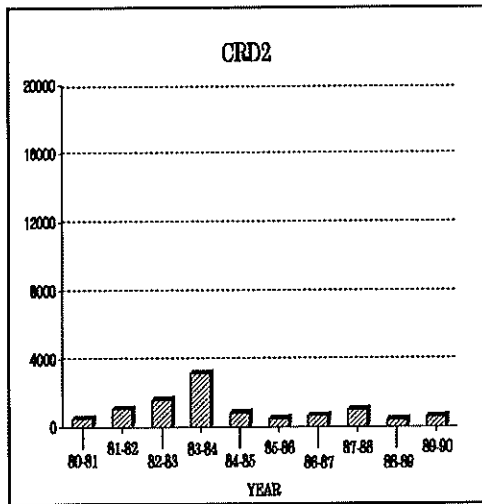
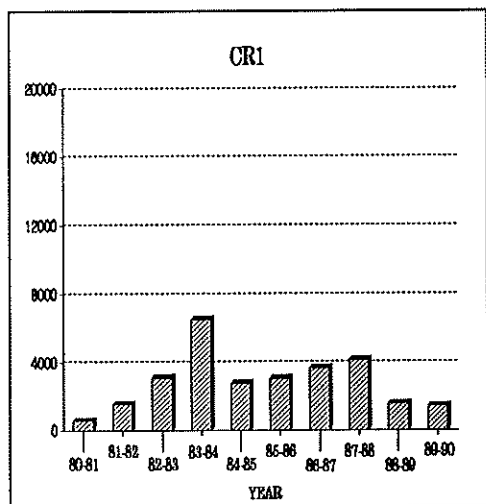


**NORTH DAKOTA OATS SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN**
(thousand bu.)

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

OATS SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)



SOYBEANS

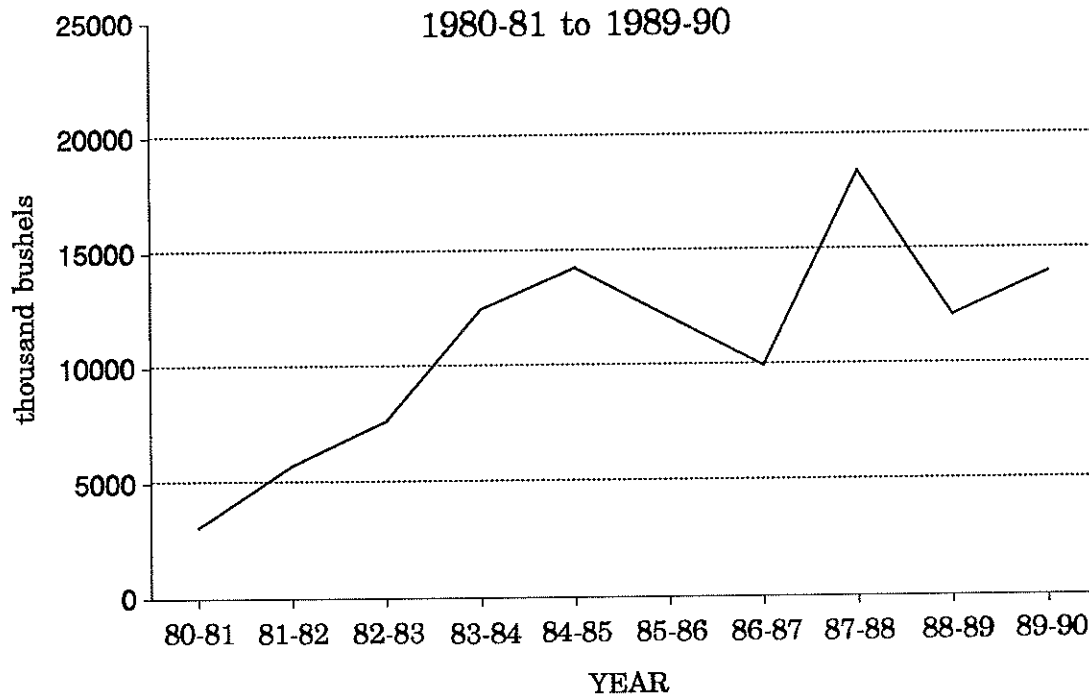
NORTH DAKOTA SOYBEAN SHIPMENTS
BY DESTINATION
(thousand bu.)

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

^aMiscellaneous markets include shipments to other Minnesota/Wisconsin destinations (0.3 million bushels or 2%), Midland/Southwest destinations (0.1 million bushels or 1%), and all other markets including North Dakota processors (3.7 million bushels or 26%).

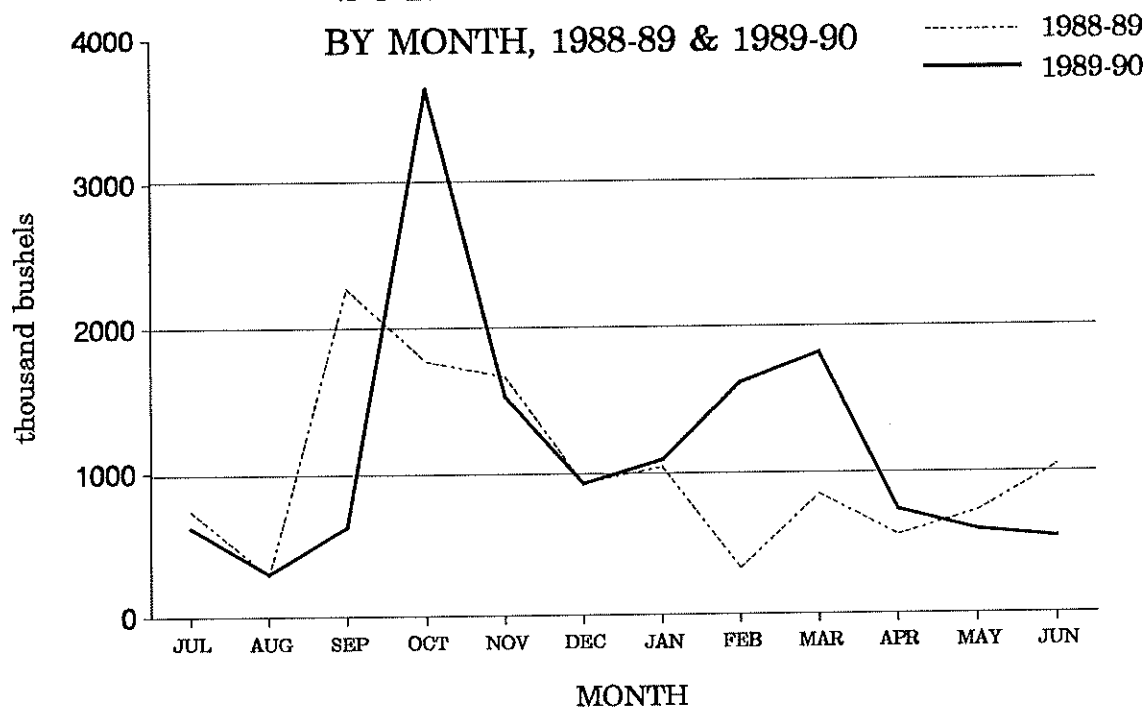
SOYBEAN SHIPMENTS

1980-81 to 1989-90



SOYBEAN SHIPMENTS

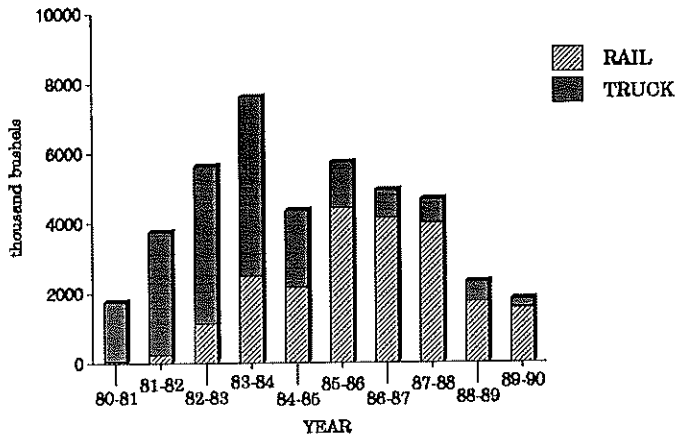
BY MONTH, 1988-89 & 1989-90



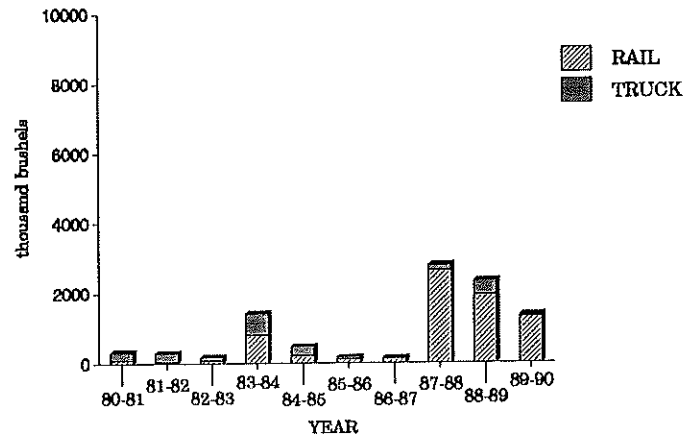
NORTH DAKOTA SOYBEAN SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)

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

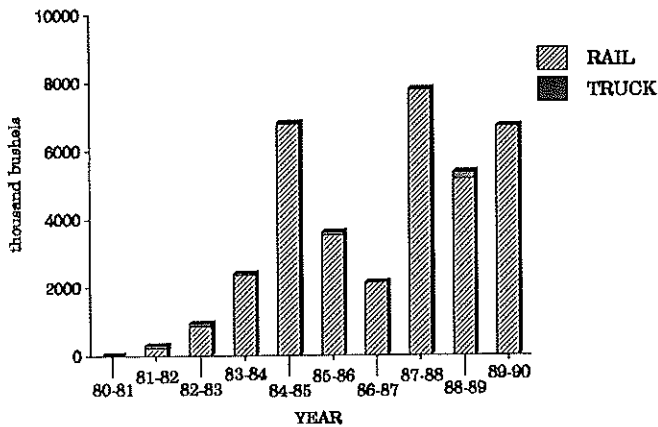
SOYBEAN TO MPLS
1980-81 to 1989-90



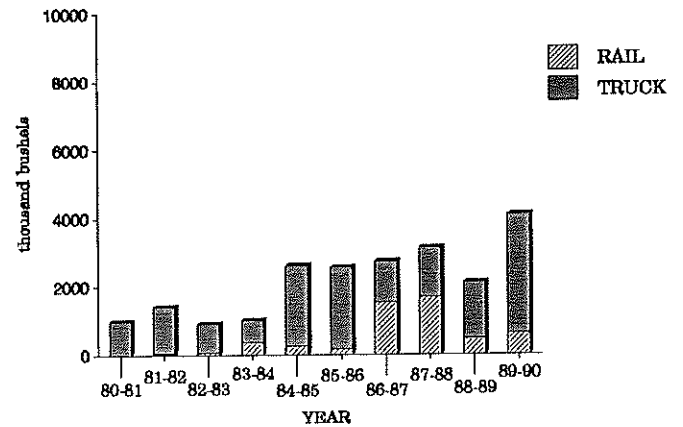
SOYBEAN TO D/S
1980-81 to 1989-90



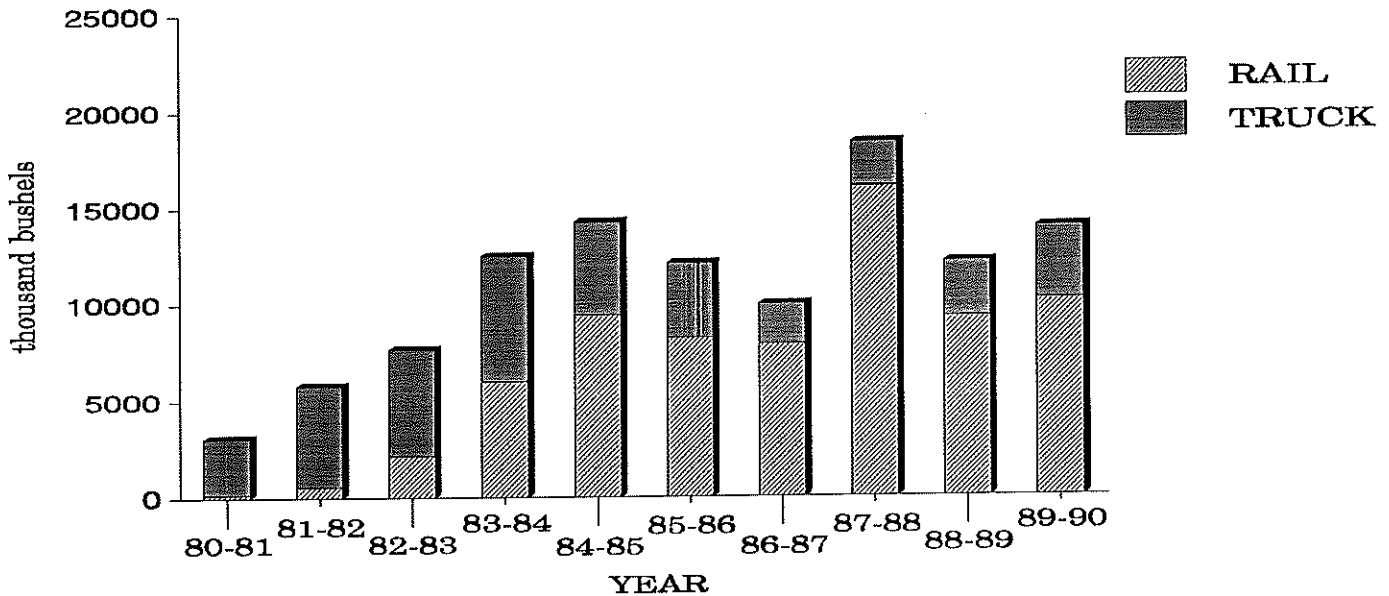
SOYBEAN TO WEST
1980-81 to 1989-90



SOYBEAN TO MISC
1980-81 to 1989-90



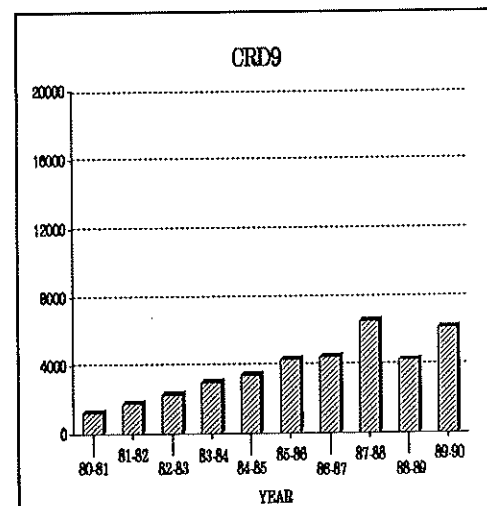
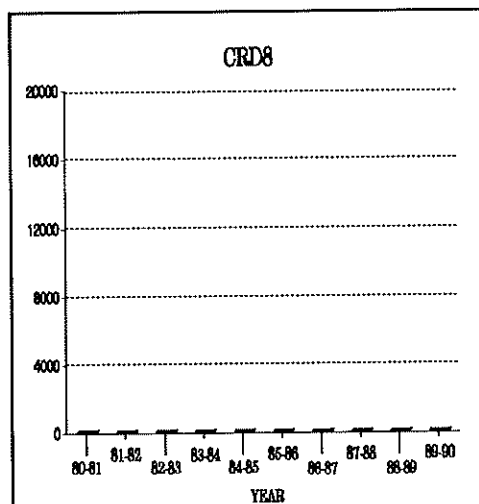
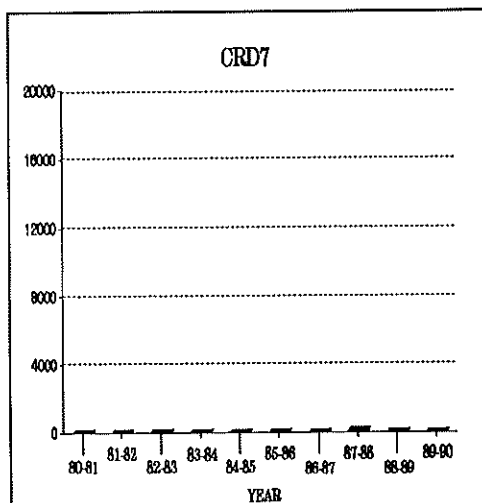
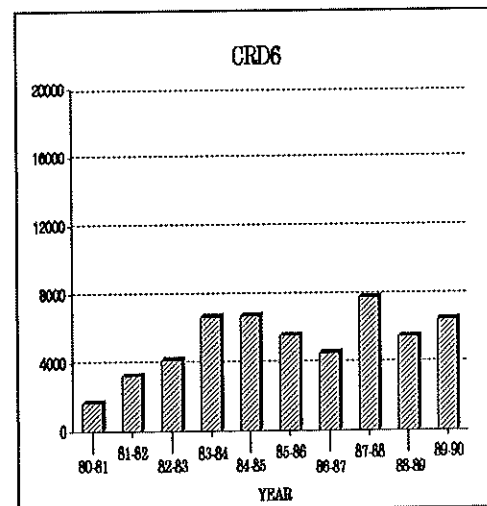
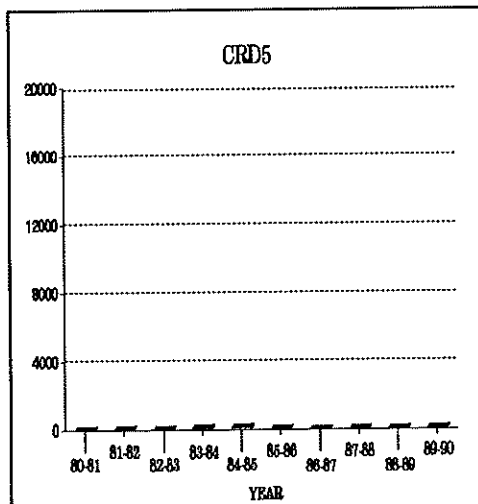
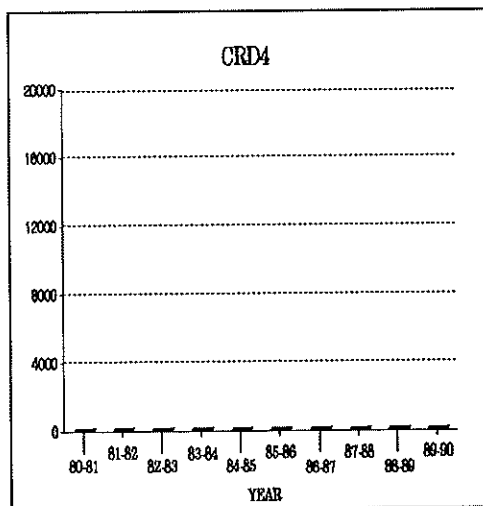
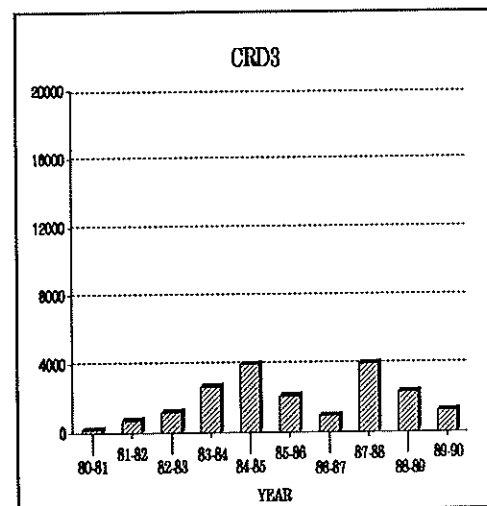
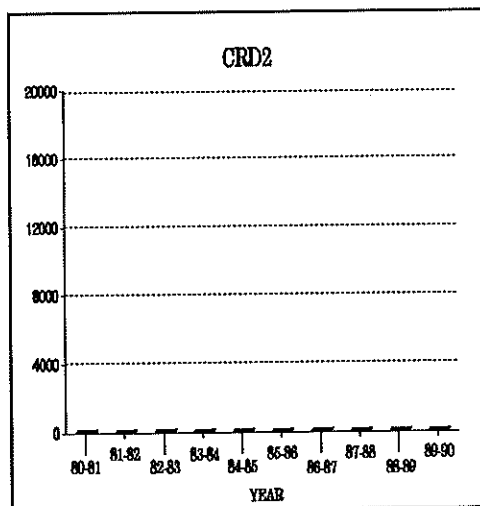
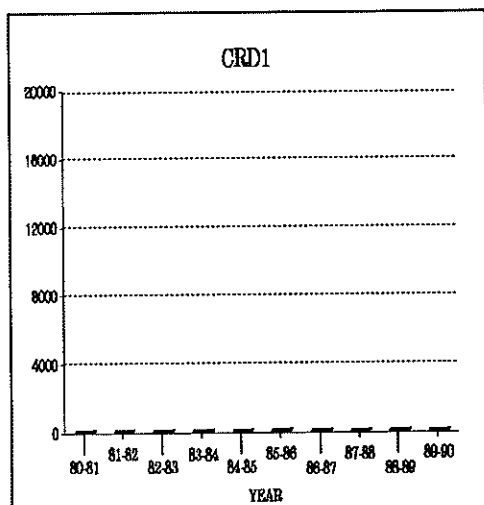
ALL SOYBEAN SHIPMENTS
1980-81 to 1989-90



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

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1976-77	0 (0%)	0 (0%)	9 (1%)	0 (0%)	1 (0%)	1,093 (56%)	0 (0%)	0 (0%)	838 (43%)	1,941 (100%)
1977-78	0 (0%)	0 (0%)	39 (2%)	4 (0%)	0 (0%)	997 (36%)	0 (0%)	0 (0%)	736 (41%)	1,776 (100%)
1978-79	3 (0%)	0 (0%)	89 (3%)	3 (0%)	94 (3%)	1,608 (55%)	0 (0%)	0 (0%)	1,145 (39%)	2,943 (100%)
1979-80	11 (0%)	0 (0%)	155 (3%)	0 (0%)	8 (0%)	3,845 (71%)	0 (0%)	0 (0%)	1,434 (26%)	5,452 (100%)
1980-81	2 (0%)	0 (0%)	182 (6%)	0 (0%)	1 (0%)	1,678 (54%)	0 (0%)	0 (0%)	1,246 (40%)	3,109 (100%)
1981-82	0 (0%)	2 (0%)	722 (12%)	0 (0%)	37 (1%)	3,250 (56%)	0 (0%)	0 (0%)	1,790 (31%)	5,801 (100%)
1982-83	0 (0%)	3 (0%)	1,206 (16%)	0 (0%)	36 (1%)	4,164 (54%)	2 (0%)	0 (0%)	2,277 (305)	7,687 (100%)
1983-84	2 (0%)	20 (0%)	2,665 (21%)	2 (0%)	112 (1%)	6,683 (53%)	4 (0%)	0 (0%)	3,016 (24%)	12,504 (100%)
1984-85	2 (0%)	2 (0%)	3,954 (28%)	5 (0%)	145 (1%)	6,736 (47%)	18 (0%)	7 (0%)	3,424 (24%)	14,292 (100%)
1985-86	43 (0%)	4 (0%)	2,114 (17%)	15 (0%)	44 (0%)	5,575 (46%)	0 (0%)	5 (0%)	4,317 (36%)	12,116 (100%)
1986-87	0 (0%)	9 (0%)	958 (10%)	0 (0%)	11 (0%)	4,540 (45%)	0 (0%)	3 (0%)	4,469 (45%)	9,990 (100%)
1987-88	20 (0%)	15 (0%)	3,966 (21%)	1 (0%)	47 (0%)	7,780 (42%)	113 (1%)	18 (0%)	6,555 (35%)	18,414 (100%)
1988-89	7 (0%)	6 (0%)	2,331 (19%)	0 (0%)	35 (0%)	5,502 (45%)	0 (0%)	18 (0%)	4,258 (35%)	12,157 (100%)
1989-90	0 (0%)	14 (0%)	1,251 (9%)	3 (0%)	77 (1%)	6,491 (46%)	4 (0%)	3 (0%)	6,172 (44%)	14,015 (100%)

SOYBEAN SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



FLAX

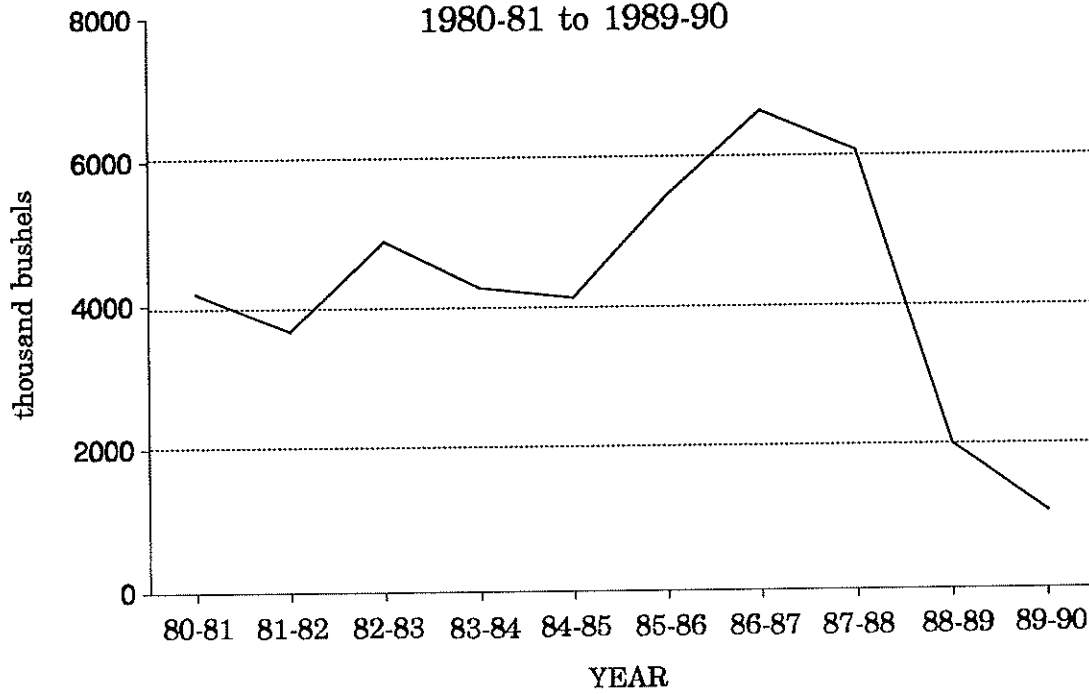
NORTH DAKOTA FLAXSEED SHIPMENTS
BY DESTINATION
(thousand bu.)

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
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 (93%)	89 (2%)	14 (0%)	199 (5%)	4,176 (100%)
1981-82	3,207 (88%)	118 (3%)	4 (0%)	314 (8%)	3,644 (100%)
1982-83	1,820 (37%)	497 (10%)	8 (0%)	2,558 (52%)	4,883 (100%)
1983-84	1,598 (38%)	85 (2%)	52 (1%)	2,501 (59%)	4,235 (100%)
1984-85	1,555 (38%)	166 (4%)	121 (3%)	2,256 (55%)	4,098 (100%)
1985-86	2,171 (39%)	30 (0%)	6 (0%)	3,296 (60%)	5,503 (100%)
1986-87	1,055 (16%)	381 (6%)	19 (0%)	5,211 (78%)	6,666 (100%)
1987-88	1,202 (20%)	17 (0%)	640 (10%)	4,251 (70%)	6,110 (100%)
1988-89	214 (11%)	0 (0%)	73 (4%)	1,723 (86%)	2,013 (100%)
1989-90	209 (19%)	4 (0%)	51 (5%)	813 ^a (76%)	1,077 (100%)

^aMiscellaneous markets include shipments to other Minnesota/Wisconsin destinations (0.3 million bushels or 25%), and all other markets including North Dakota processors (0.5 million bushels or 50%).

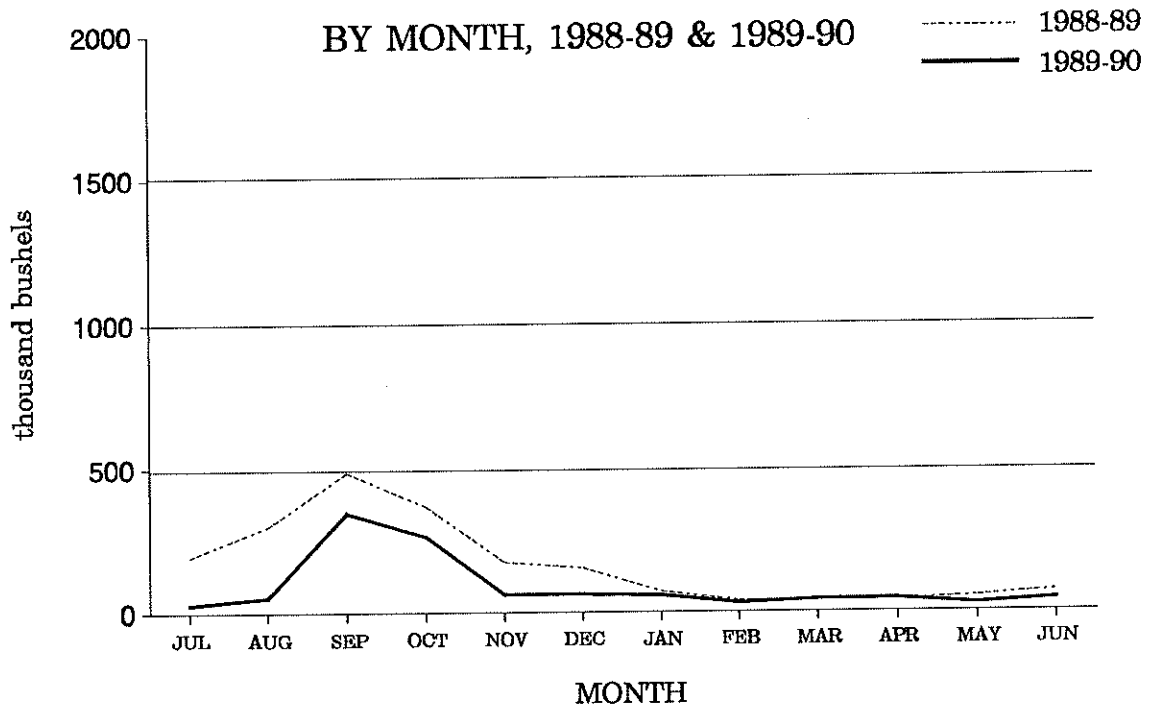
FLAX SHIPMENTS

1980-81 to 1989-90



FLAX SHIPMENTS

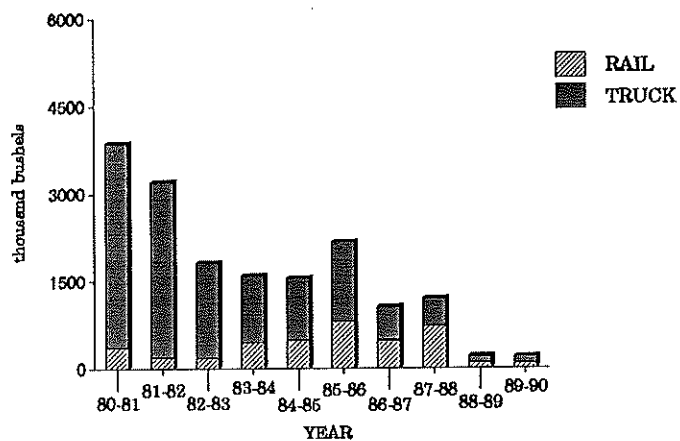
BY MONTH, 1988-89 & 1989-90



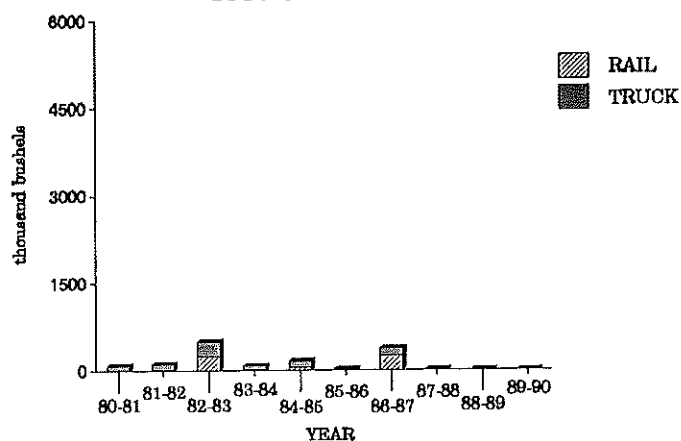
NORTH DAKOTA FLAXSEED SHIPMENTS
BY RAIL, TRUCK AND DESTINATION
(thousand bu.)

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1976-77	1,046	3,214	102	183	0	59	206	74	1,354	3,530
	(25%)	(75%)	(36%)	(64%)	(0%)	(100%)	(74%)	(26%)	(28%)	(72%)
1977-78	987	3,954	226	522	0	72	74	339	1,287	4,887
	(20%)	(80%)	(30%)	(70%)	(0%)	(100%)	(18%)	(82%)	(21%)	(79%)
1978-79	541	3,513	18	135	2	19	32	281	593	3,948
	(13%)	(87%)	(12%)	(88%)	(10%)	(90%)	(10%)	(90%)	(15%)	(85%)
1979-80	555	3,558	53	141	0	10	45	218	653	3,927
	(13%)	(87%)	(27%)	(73%)	(0%)	(100%)	(17%)	(83%)	(14%)	(86%)
1980-81	358	3,516	7	82	0	14	100	99	465	3,711
	(9%)	(91%)	(8%)	(92%)	(0%)	(100%)	(50%)	(50%)	(11%)	(89%)
1981-82	203	3,004	10	108	0	4	15	299	228	3,415
	(6%)	(94%)	(9%)	(91%)	(0%)	(100%)	(5%)	(95%)	(6%)	(94%)
1982-83	184	1,635	240	257	0	8	325	2,233	749	4,134
	(10%)	(90%)	(48%)	(52%)	(0%)	(100%)	(13%)	(87%)	(15%)	(85%)
1983-84	455	1,143	5	80	13	39	311	2,190	785	3,451
	(29%)	(71%)	(6%)	(94%)	(25%)	(75%)	(12%)	(88%)	(19%)	(81%)
1984-85	480	1,075	51	114	95	27	370	1,887	996	3,103
	(31%)	(69%)	(31%)	(69%)	(78%)	(22%)	(16%)	(84%)	(24%)	(76%)
1985-86	813	1,358	15	15	0	6	939	2,356	1,768	3,736
	(37%)	(63%)	(50%)	(50%)	(0%)	(100%)	(29%)	(71%)	(32%)	(68%)
1986-87	478	577	253	128	0	19	2,165	3,046	2,897	3,769
	(45%)	(55%)	(66%)	(34%)	(0%)	(100%)	(42%)	(58%)	(43%)	(57%)
1987-88	721	481	12	5	117	523	1,873	2,378	2,723	3,387
	(60%)	(40%)	(71%)	(29%)	(18%)	(82%)	(44%)	(56%)	(45%)	(55%)
1988-89	101	112	0	1	42	31	414	1,309	558	1,454
	(47%)	(53%)	(0%)	(100%)	(57%)	(43%)	(24%)	(76%)	(28%)	(72%)
1989-90	92	116	0	4	37	14	174	639	303	773
	(44%)	(56%)	(0%)	(100%)	(73%)	(27%)	(21%)	(79%)	(28%)	(72%)

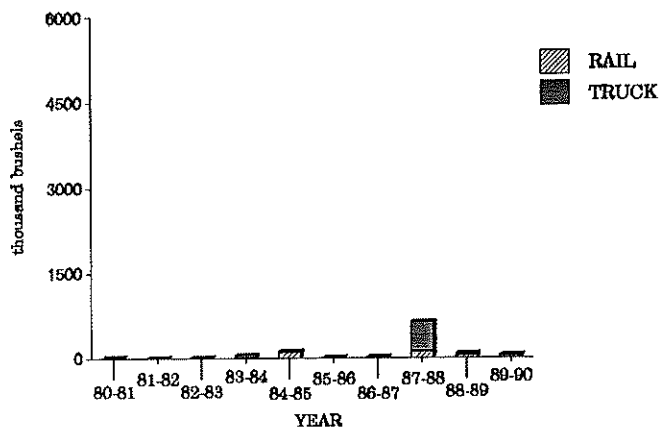
FLAX TO MPLS
1980-81 to 1989-90



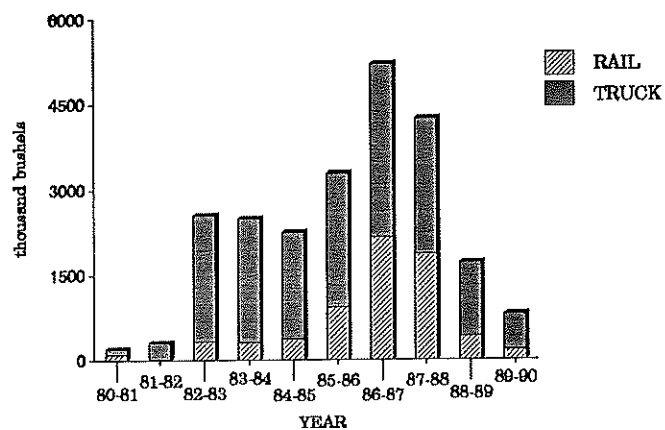
FLAX TO D/S
1980-81 to 1989-90



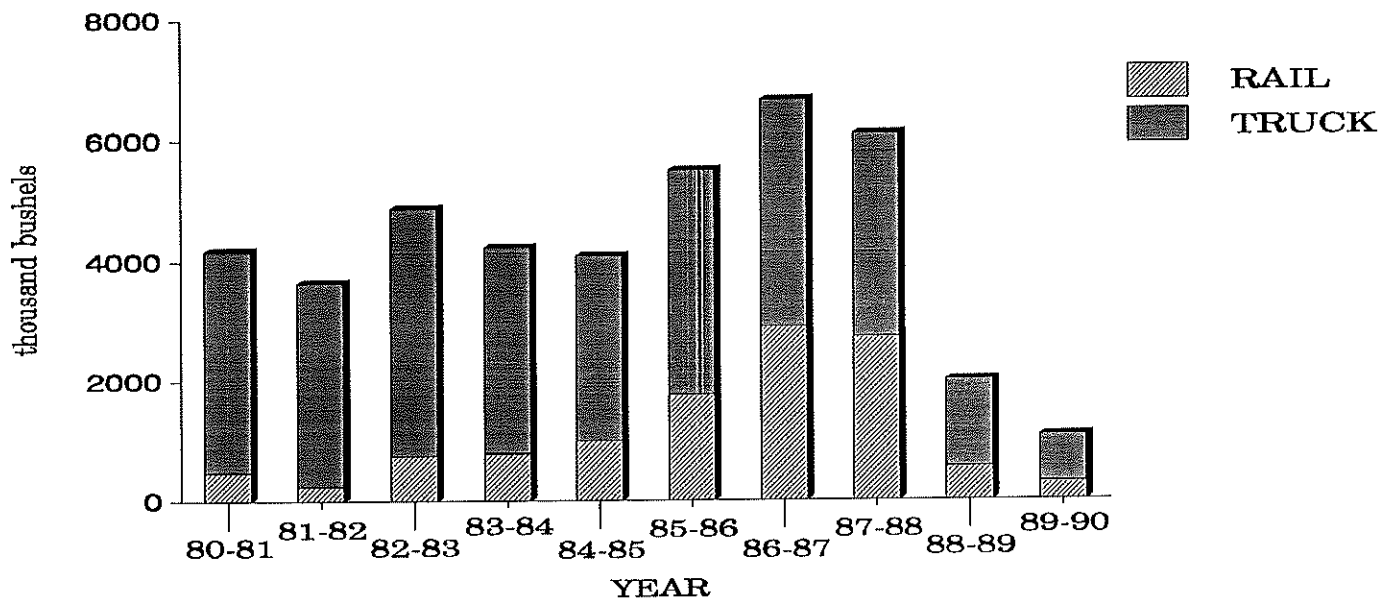
FLAX TO WEST
1980-81 to 1989-90



FLAX TO MISC
1980-81 to 1989-90



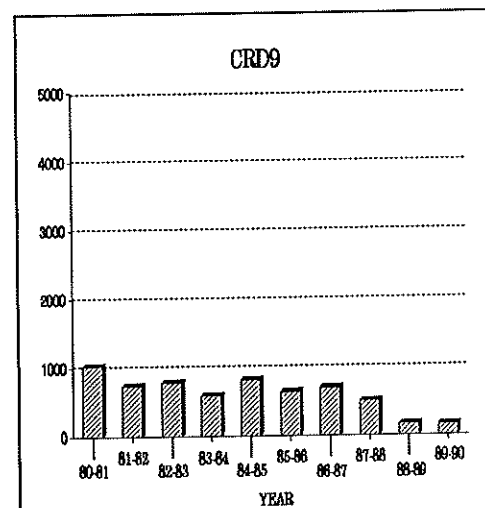
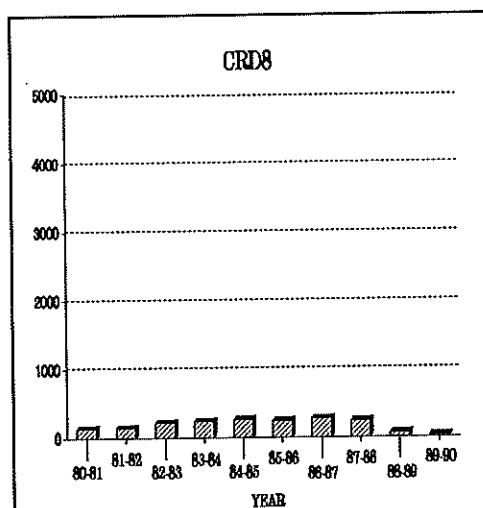
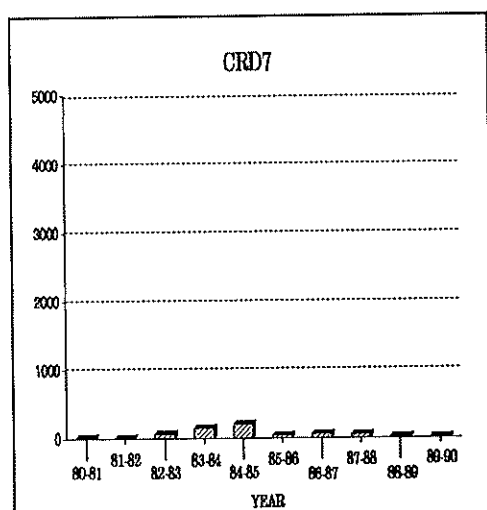
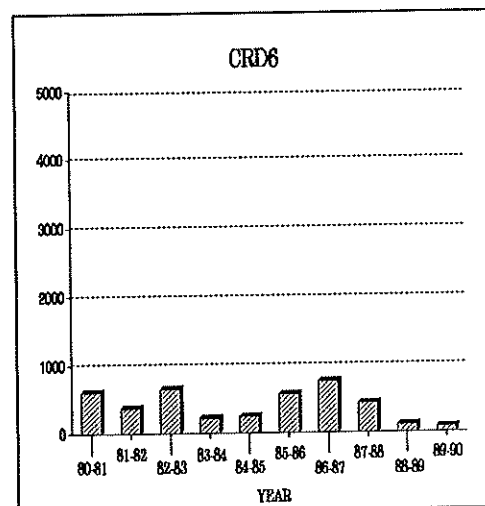
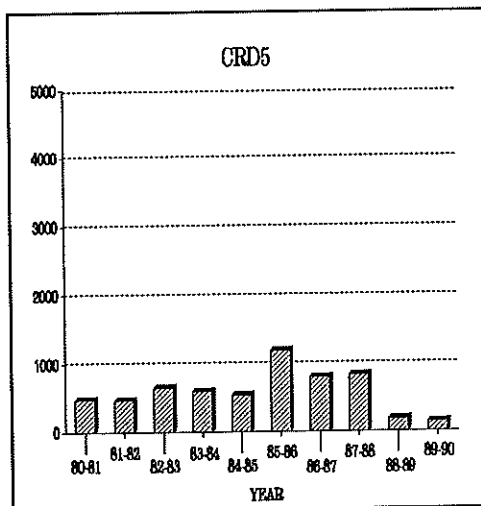
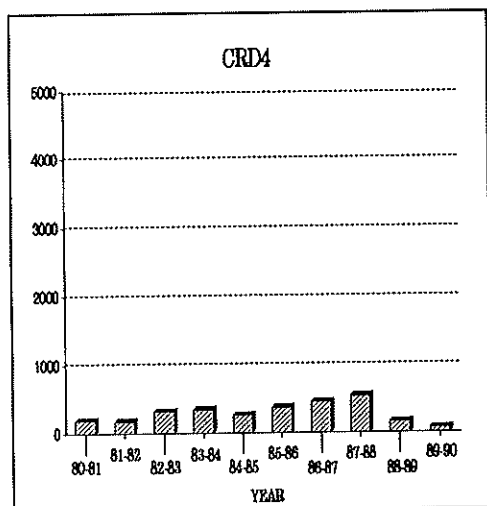
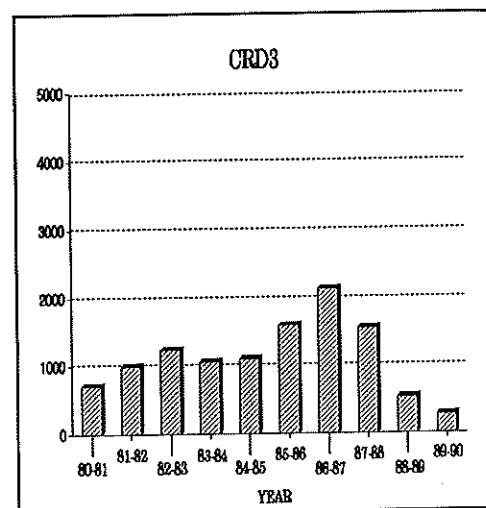
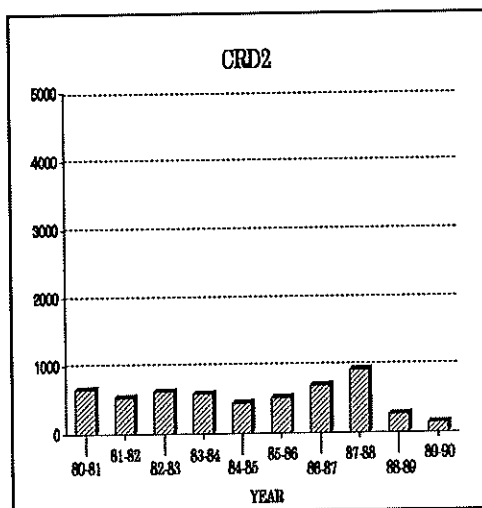
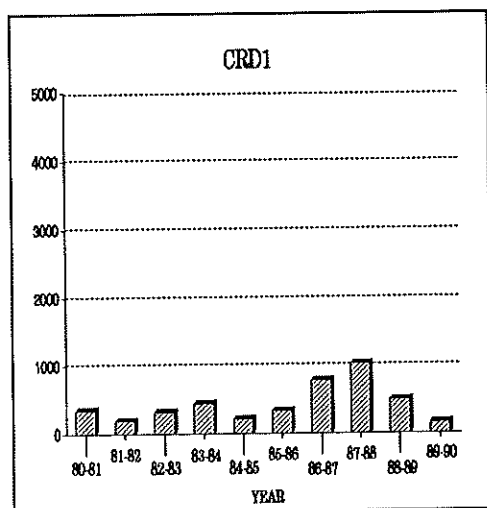
ALL FLAX SHIPMENTS
1980-81 to 1989-90



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

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

FLAX SHIPMENTS BY CROP REPORTING DISTRICT (thousand bushels)



CORN

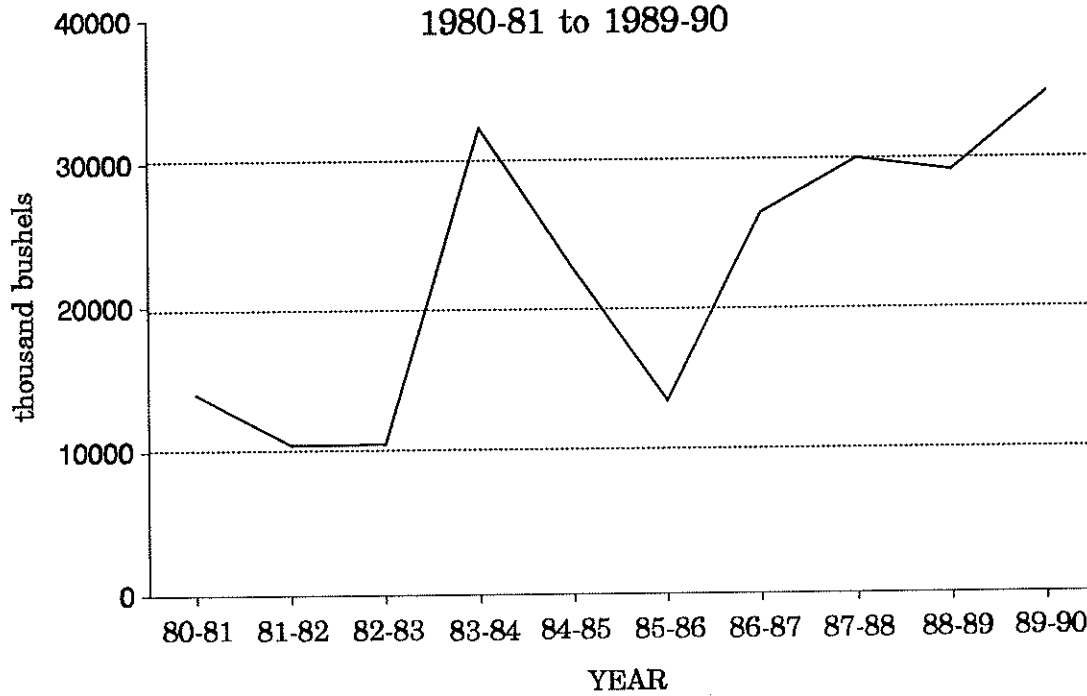
NORTH DAKOTA CORN SHIPMENTS
BY DESTINATION
(thousand bu.)

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

^aMiscellaneous markets include shipments to North Dakota destinations (2.0 million bushels or 6%), Midland/Southwest destinations (1.5 million bushels or 4%), and all other markets (4.0 million bushels or 11%).

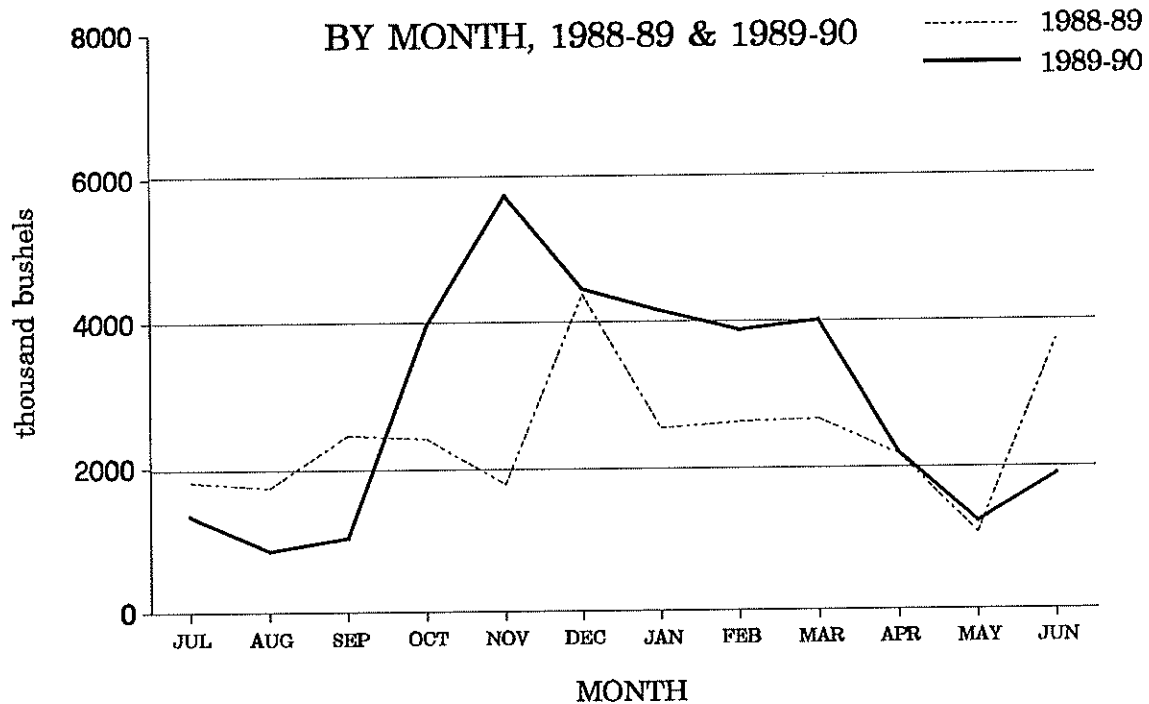
CORN SHIPMENTS

1980-81 to 1989-90



CORN SHIPMENTS

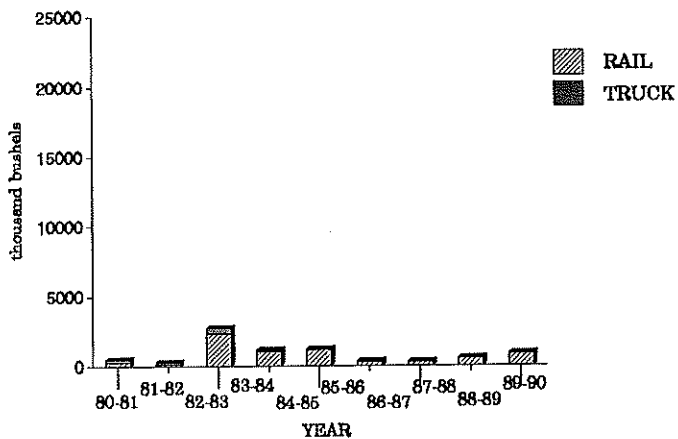
BY MONTH, 1988-89 & 1989-90



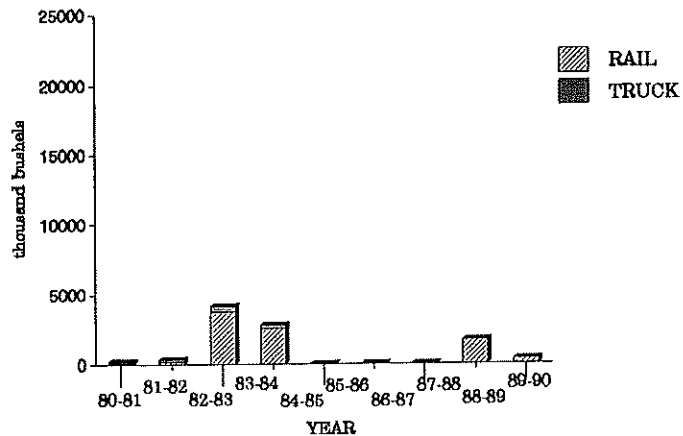
**NORTH DAKOTA CORN SHIPMENTS
BY RAIL, TRUCK AND DESTINATION**
(thousand bu.)

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

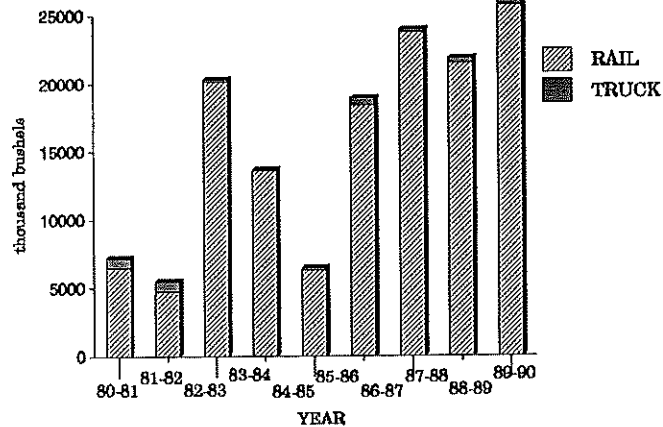
CORN TO MPLS
1980-81 to 1989-90



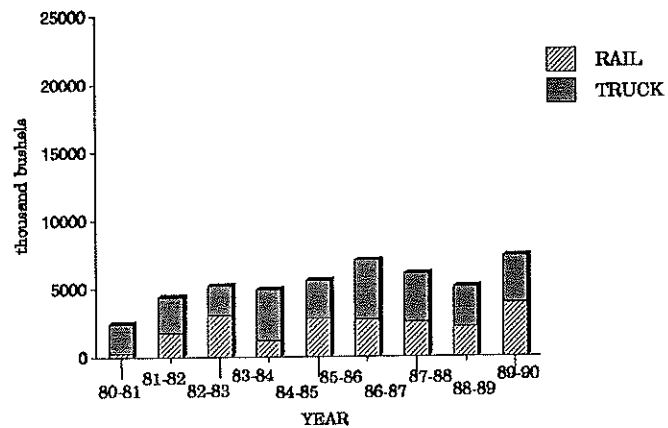
CORN TO D/S
1980-81 to 1989-90



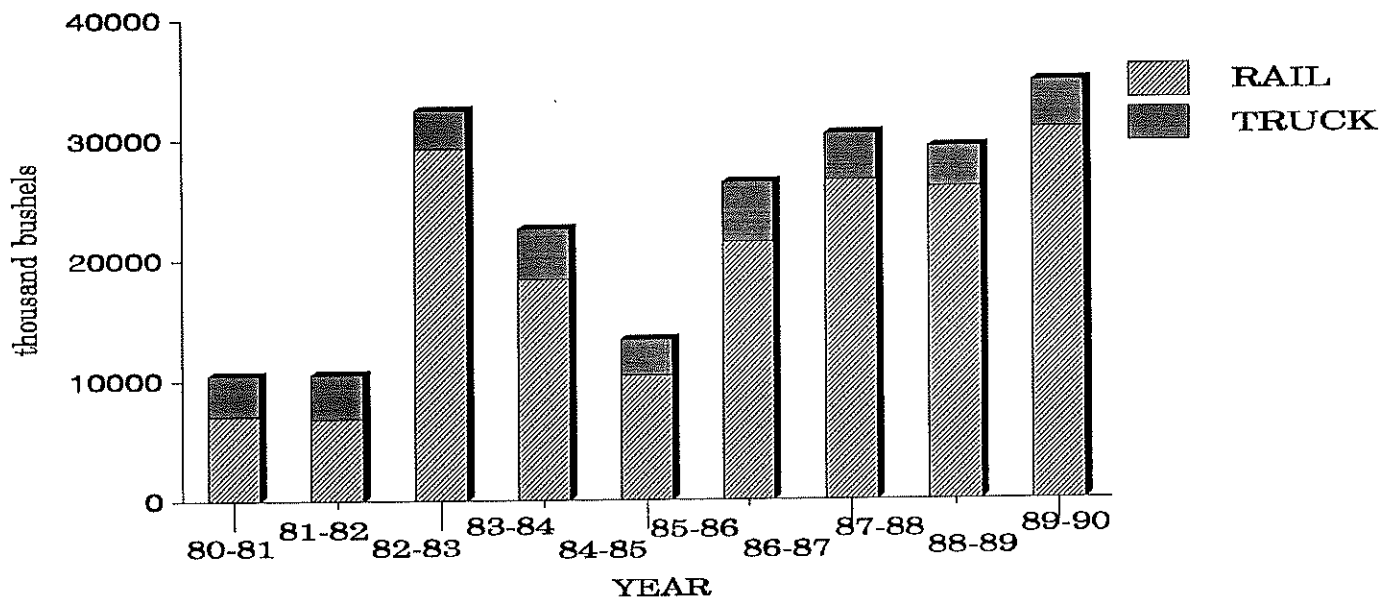
CORN TO WEST
1980-81 to 1989-90



CORN TO MISC
1980-81 to 1989-90



ALL CORN SHIPMENTS
1980-81 to 1989-90



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

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

CORN SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)

