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Upper
Great Plains
Transportation Institute
Research, Education, Cooperation, Communication

NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS 1986-87

UGPTI Report No. 63
December, 1987

Dennis C. Ogg
Research Assistant

Linda K. Schuster
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North Dakota State University • Fargo 58105

WAITE MEMORIAL BOOK COLLECTION
DEPARTMENT OF AGRICULTURAL AND APPLIED ECONOMICS
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UPPER GREAT PLAINS TRANSPORTATION INSTITUTE
NORTH DAKOTA STATE UNIVERSITY
FARGO, NORTH DAKOTA

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in cooperation with

NORTH DAKOTA STATE WHEAT COMMISSION
BISMARCK, NORTH DAKOTA

and

NORTH DAKOTA PUBLIC SERVICE COMMISSION
BISMARCK, NORTH DAKOTA

PREFACE

The 1986-87 North Dakota Grain and Oilseed Transportation Statistics Report was prepared by Dennis C. Ogg and Linda K. Schuster, Research Assistants, Upper Great Plains Transportation Institute.

This report represents a continuation of analysis concerned with the patterns and methods of distributing grains and oilseeds from North Dakota. This series began with the analysis of 1956-57 data and was published in Agricultural Economics Report 14, Department of Agricultural Economics, North Dakota State University. Subsequent years' data were analyzed in Agricultural Economics Reports 15, 17, 44 and 56, and Agricultural Experiment Station Bulletin 462. The compilation and analysis of data for the year 1967-68 in this series was assumed by the Upper Great Plains Transportation Institute. Also, the data representing the 1967-68 period were the first results of the requirements of the North Dakota Public Service Commission that all North Dakota elevators report monthly movements of grains and oilseeds by truck and rail. Prior to 1967-68, these data had been estimated from questionnaires completed by a small portion or sample of country elevators.

North Dakota State Wheat Commission

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John Rafteseth, Elgin
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Transportation Division: Jon H. Mielke, Director of Traffic

Grain Elevator Division: Maurice H. Arves, Director

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NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS 1986-87

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 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 1986 to June 1987, and previous years.

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

Source of Data

The data used to analyze North Dakota grain distribution patterns for the period July 1986 through June 1987, 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) Flaxseed, and (9) Corn.

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

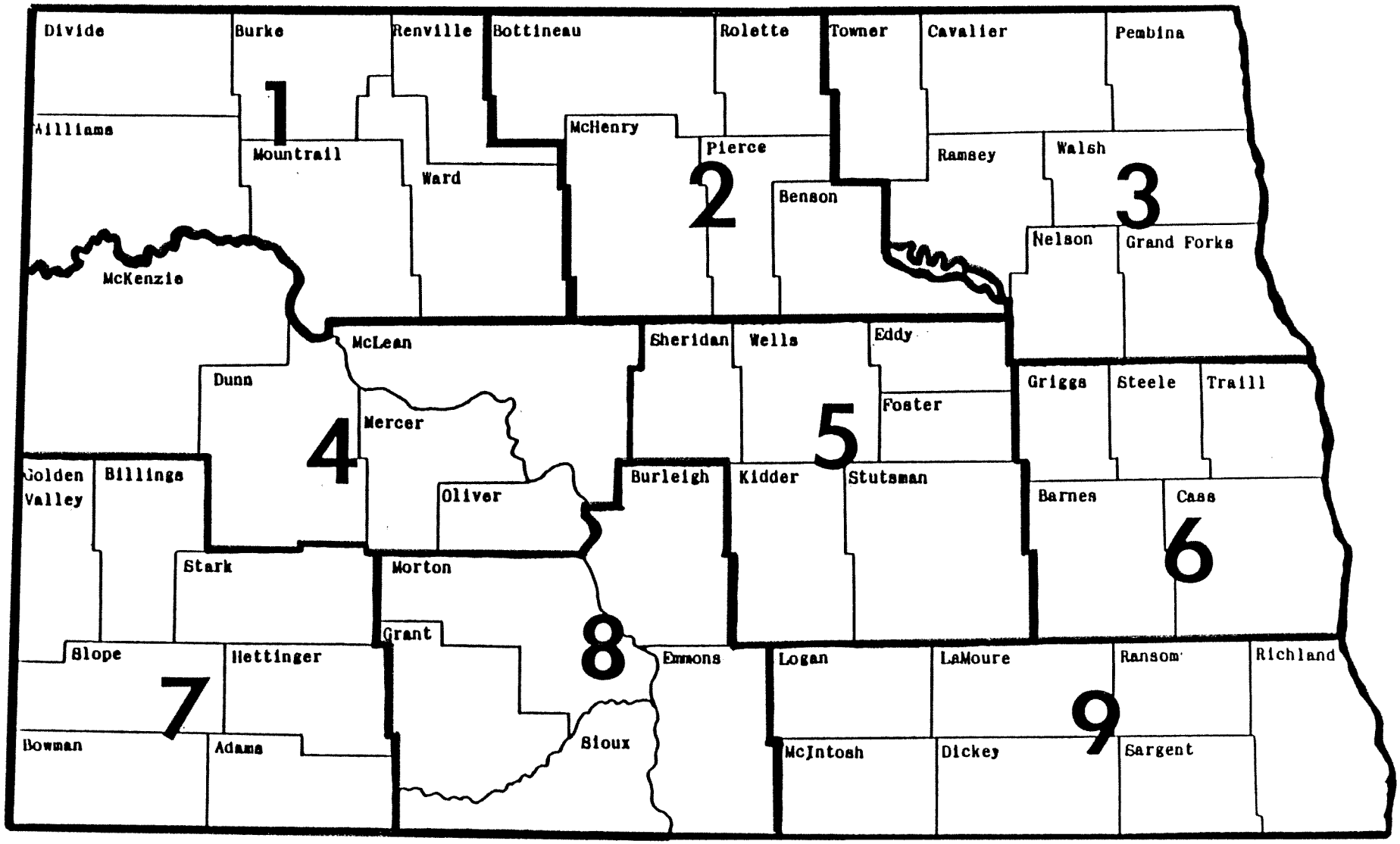


Figure 1. North Dakota Crop Reporting Districts and Counties.

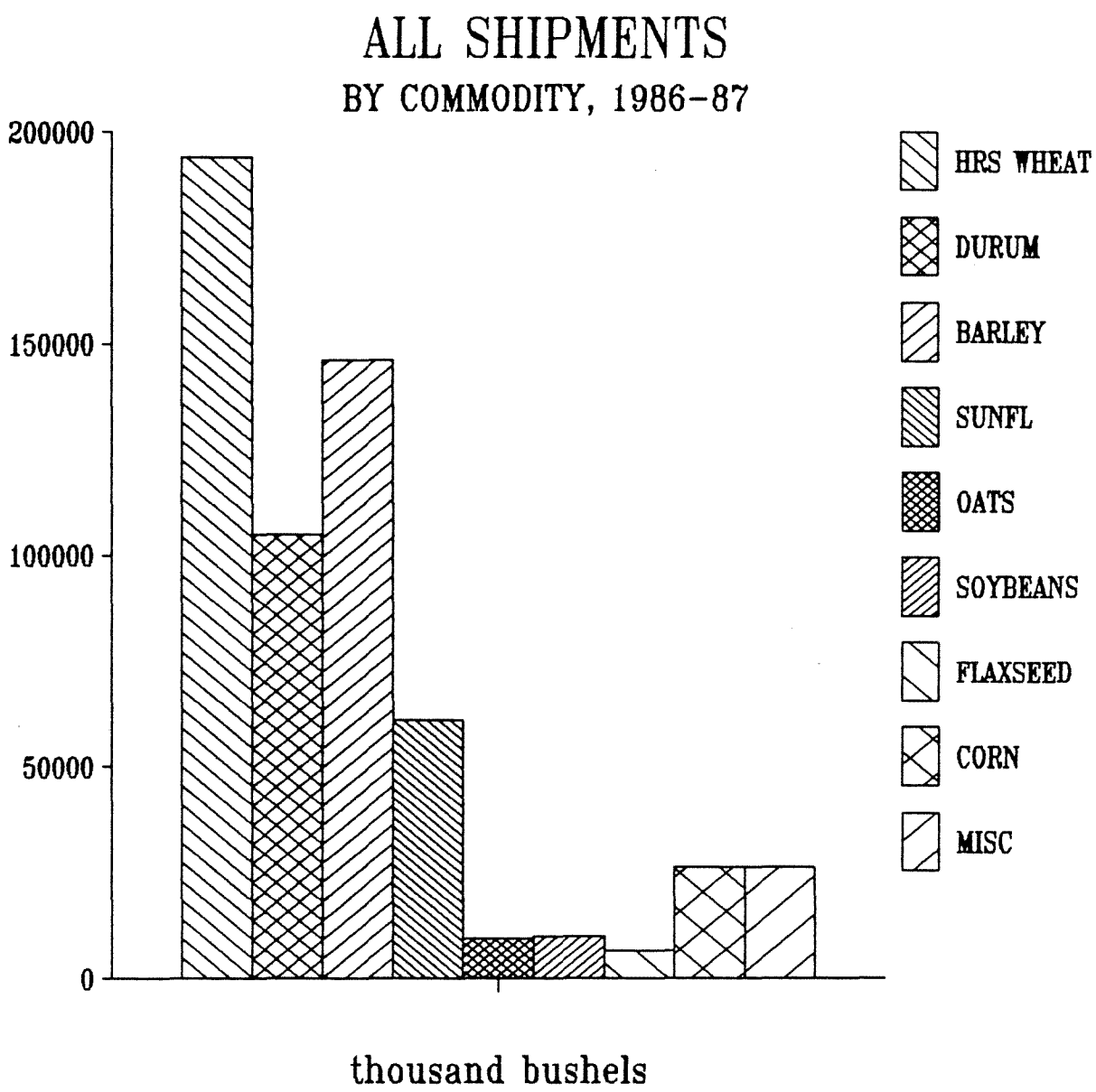
TOTAL

GRAIN AND OILSEED

SHIPMENTS

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
1976-1987

YEAR	HARD RED SPRING	DURUM	BARLEY	SUNFLOWERS	OATS	SOYBEANS	FLAXSEED	MISC.	CORN	TOTAL
					(thousand bu.)					
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%)	(2%)	(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%)
3 Year	186,053	90,994	119,269	64,007	9,442	12,133	5,422	12,383	20,818	520,521
Average	(36%)	(17%)	(23%)	(12%)	(2%)	(2%)	(1%)	(2%)	(4%)	(100%)

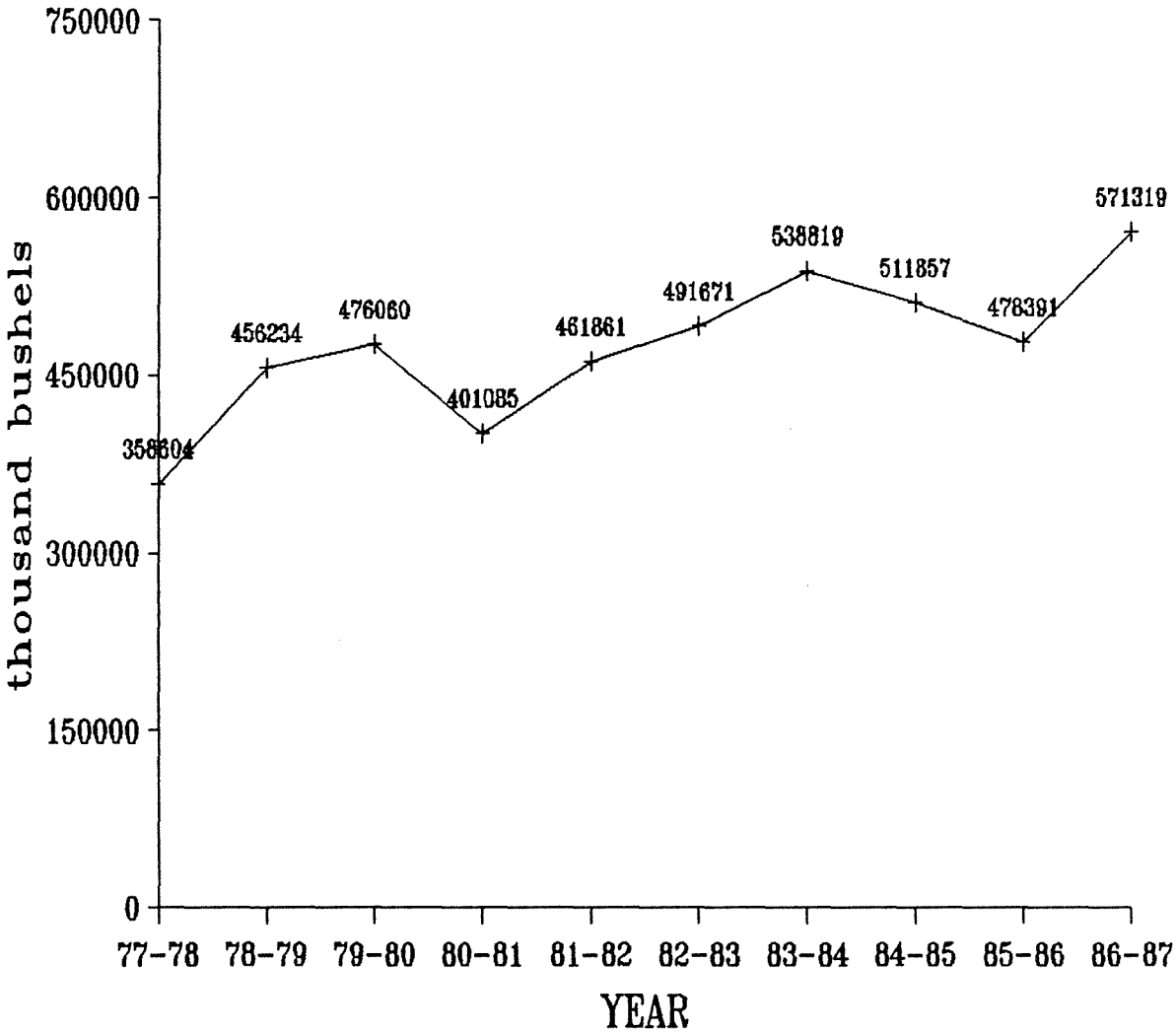

ALL SHIPMENTS
BY COMMODITY, 1986-87
200000
150000
100000
50000
0
HRS WHEAT
DURUM
BARLEY
SUNFL
OATS
SOYBEANS
FLAXSEED
CORN
MISC
thousand bushels

NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
		(thousand bu.)			
1976-77	109,620	128,044	20,823	47,425	305,912
	(36%)	(42%)	(7%)	(16%)	(100%)
1977-78	85,231	192,925	29,031	51,417	358,604
	(24%)	(54%)	(8%)	(14%)	(100%)
1978-79	93,353	250,653	46,413	65,814	456,233
	(20%)	(55%)	(10%)	(14%)	(100%)
1979-80	119,711	230,544	46,954	78,856	476,065
	(25%)	(48%)	(10%)	(17%)	(100%)
1980-81	81,487	184,825	39,975	94,798	401,085
	(20%)	(46%)	(10%)	(24%)	(100%)
1981-82	92,099	230,899	37,006	101,859	461,862
	(20%)	(50%)	(8%)	(22%)	(100%)
1982-83	122,745	201,427	45,240	122,259	491,671
	(25%)	(41%)	(9%)	(25%)	(100%)
1983-84	134,312	195,942	59,203	149,362	538,818
	(25%)	(36%)	(11%)	(28%)	(100%)
1984-85	129,455	178,299	61,002	143,099	511,856
	(25%)	(35%)	(12%)	(28%)	(100%)
1985-86	131,879	109,232	44,812	192,467	478,391
	(28%)	(23%)	(9%)	(40%)	(100%)
1986-87	121,620	119,016	92,923	237,761	571,319
	(21%)	(21%)	(16%)	(42%)	(100%)
3 Year Average	127,651	135,516	66,246	191,109	520,522
	(25%)	(26%)	(13%)	(37%)	(100%)

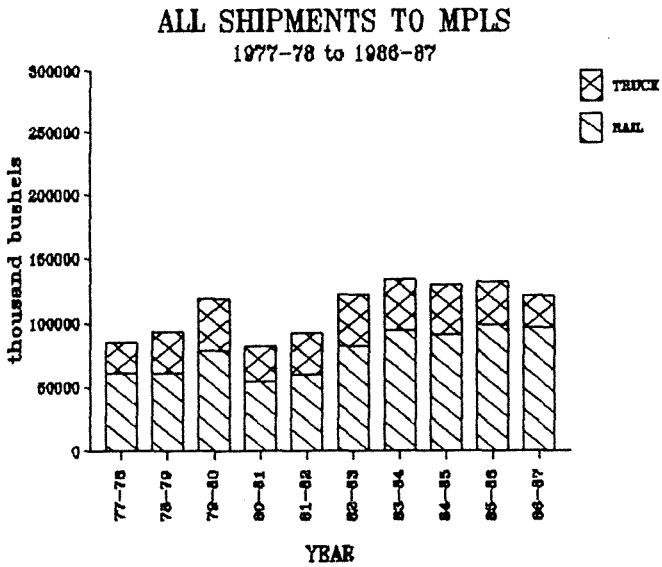
ALL COMMODITY SHIPMENTS

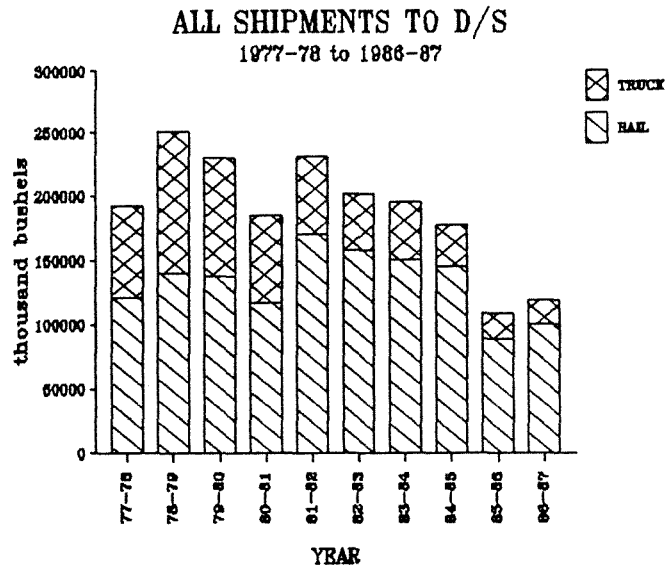
1977-78 to 1986-87

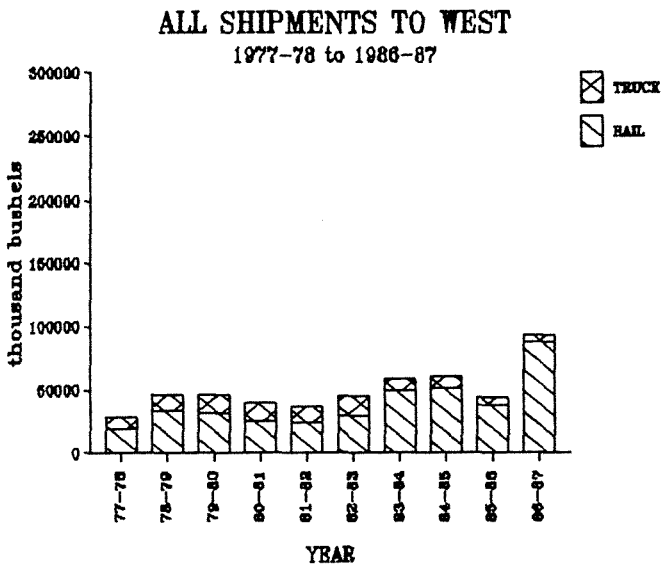


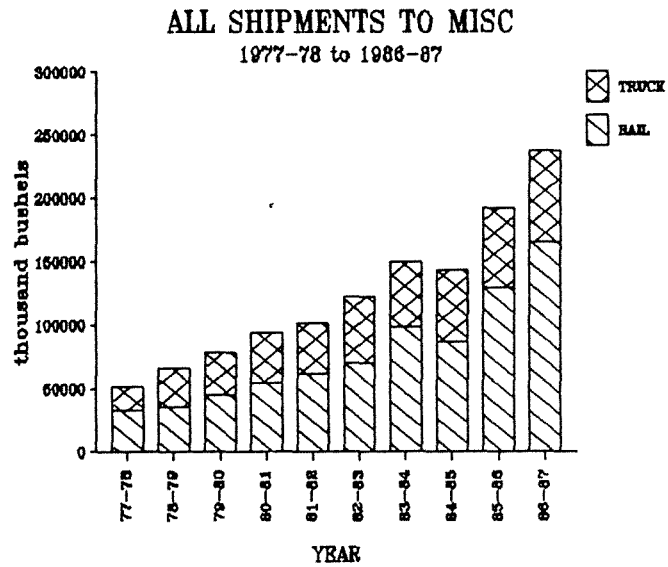
NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

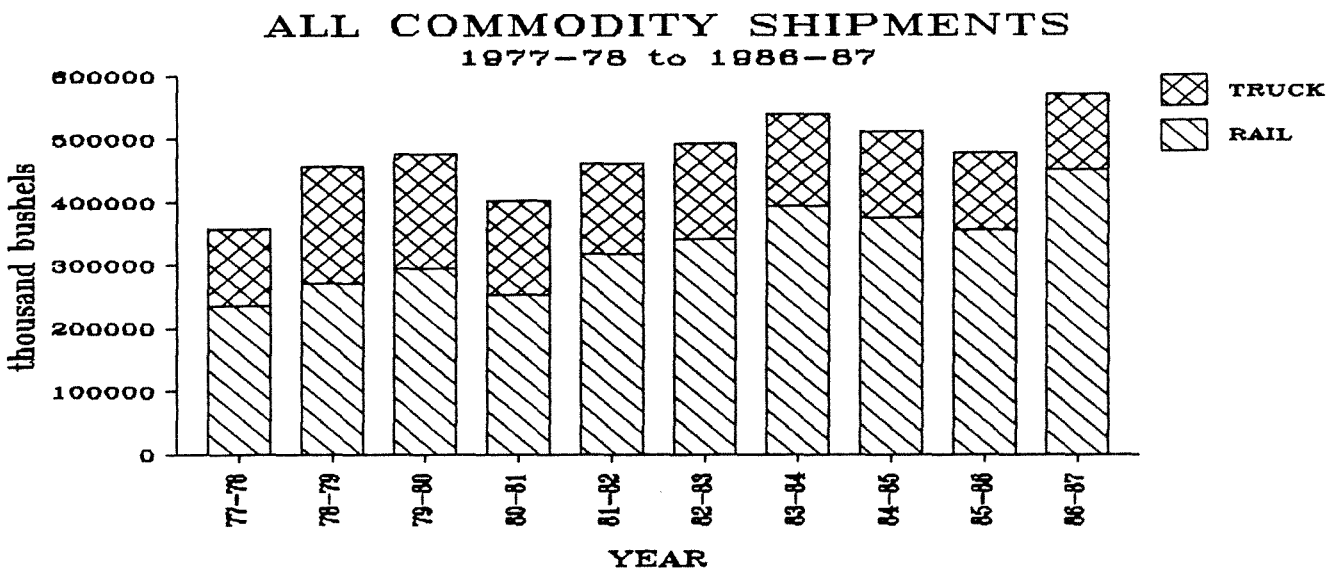
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
					(thousand bu.)					
1976-77	82,764	26,856	80,207	47,837	11,703	9,120	30,455	16,970	205,129	100,783
	(76%)	(24%)	(63%)	(37%)	(56%)	(44%)	(64%)	(36%)	(67%)	(33%)
1977-78	60,859	24,372	121,899	71,025	19,386	9,645	33,034	18,384	235,178	123,426
	(71%)	(29%)	(63%)	(37%)	(67%)	(33%)	(64%)	(36%)	(66%)	(34%)
1978-79	61,186	32,168	140,112	110,541	33,461	12,952	36,310	29,504	271,069	185,165
	(66%)	(34%)	(56%)	(44%)	(72%)	(28%)	(55%)	(45%)	(59%)	(41%)
1979-80	79,040	40,672	138,313	92,225	31,878	15,076	45,106	33,750	294,342	181,724
	(60%)	(40%)	(66%)	(34%)	(68%)	(32%)	(57%)	(43%)	(62%)	(38%)
1980-81	54,815	26,672	117,168	67,657	25,549	14,426	54,406	40,392	251,938	149,147
	(67%)	(33%)	(63%)	(37%)	(64%)	(36%)	(57%)	(43%)	(63%)	(37%)
1981-82	60,345	31,753	170,762	60,136	24,165	12,841	62,032	39,827	317,304	144,558
	(66%)	(34%)	(74%)	(26%)	(65%)	(35%)	(61%)	(39%)	(69%)	(31%)
1982-83	81,525	41,220	158,282	43,145	30,108	15,132	70,546	51,713	340,461	151,210
	(66%)	(34%)	(78%)	(21%)	(67%)	(33%)	(58%)	(42%)	(69%)	(31%)
1983-84	94,392	39,920	150,766	45,176	49,055	10,148	98,897	50,465	393,110	145,709
	(70%)	(30%)	(77%)	(23%)	(83%)	(17%)	(66%)	(34%)	(73%)	(30%)
1984-85	90,807	38,648	145,495	32,804	51,786	9,217	86,921	56,179	375,009	136,847
	(70%)	(30%)	(82%)	(18%)	(85%)	(15%)	(61%)	(39%)	(73%)	(27%)
1985-86	99,046	32,833	88,796	20,436	38,091	6,722	129,454	63,013	355,387	123,004
	(75%)	(25%)	(81%)	(19%)	(85%)	(15%)	(67%)	(33%)	(74%)	(26%)
1986-87	96,166	25,454	101,009	18,008	87,738	5,185	165,655	72,105	450,569	120,750
	(79%)	(21%)	(85%)	(15%)	(94%)	(6%)	(70%)	(30%)	(79%)	(21%)
3 Year Average	95,340	32,312	111,767	23,749	59,205	7,041	127,343	63,766	393,655	126,868
	(75%)	(25%)	(82%)	(18%)	(89%)	(11%)	(67%)	(33%)	(76%)	(24%)


ALL SHIPMENTS TO MPLS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
300000
250000
200000
150000
100000
50000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL SHIPMENTS TO D/S
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
300000
250000
200000
150000
100000
50000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL SHIPMENTS TO WEST
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
300000
250000
200000
150000
100000
50000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL SHIPMENTS TO MISC
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
300000
250000
200000
150000
100000
50000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

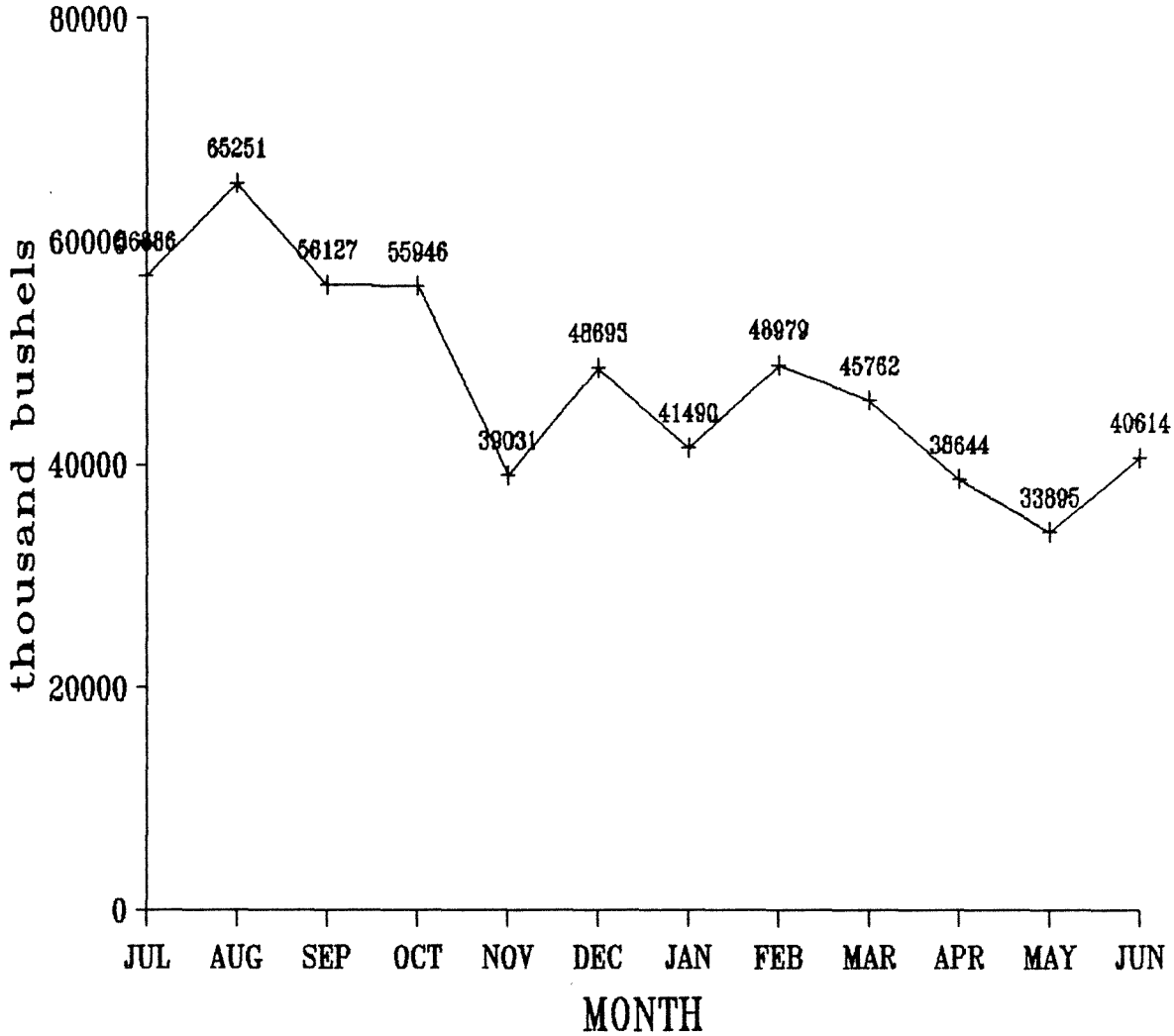

ALL COMMODITY SHIPMENTS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
600000
500000
400000
300000
200000
100000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

NORTH DAKOTA GRAIN AND OILSEED MOVEMENT BY MONTH
July, 1986 - June, 1987
(thousand bushels)

MONTH	HRS	DURUM	SOYBEANS	FLAXSEED	BARLEY	OATS	CORN	SUNFLOWERS	MISC.	TOTAL
July	24,411	11,463	829	514	12,178	546	770	5,370	805	56,886
August	24,185	10,537	335	138	23,753	1,174	527	3,778	824	65,252
September	23,697	11,267	220	773	14,399	901	1,479	2,255	1,135	56,129
October	16,734	10,795	1,205	2,580	10,156	833	2,426	9,936	1,281	55,946
November	10,463	6,532	919	522	9,395	775	2,375	6,993	1,056	39,031
December	16,883	9,757	296	480	11,776	1,415	3,923	3,056	1,107	48,693
January	12,717	8,521	394	179	8,921	969	5,540	3,724	525	41,491
February	11,617	8,232	1,460	188	15,221	700	3,359	6,342	1,860	48,978
March	10,698	10,176	1,234	202	14,439	397	2,724	4,649	1,243	45,762
April	10,582	5,634	1,192	372	10,884	374	1,371	7,058	1,176	38,643
May	15,684	5,127	1,030	350	5,524	702	759	3,907	812	33,894
June	16,291	6,927	876	370	9,695	599	1,183	3,996	677	40,614
Total	193,962	104,968	9,990	6,666	146,342	9,387	26,437	61,067	12,500	571,319

ALL COMMODITY SHIPMENTS

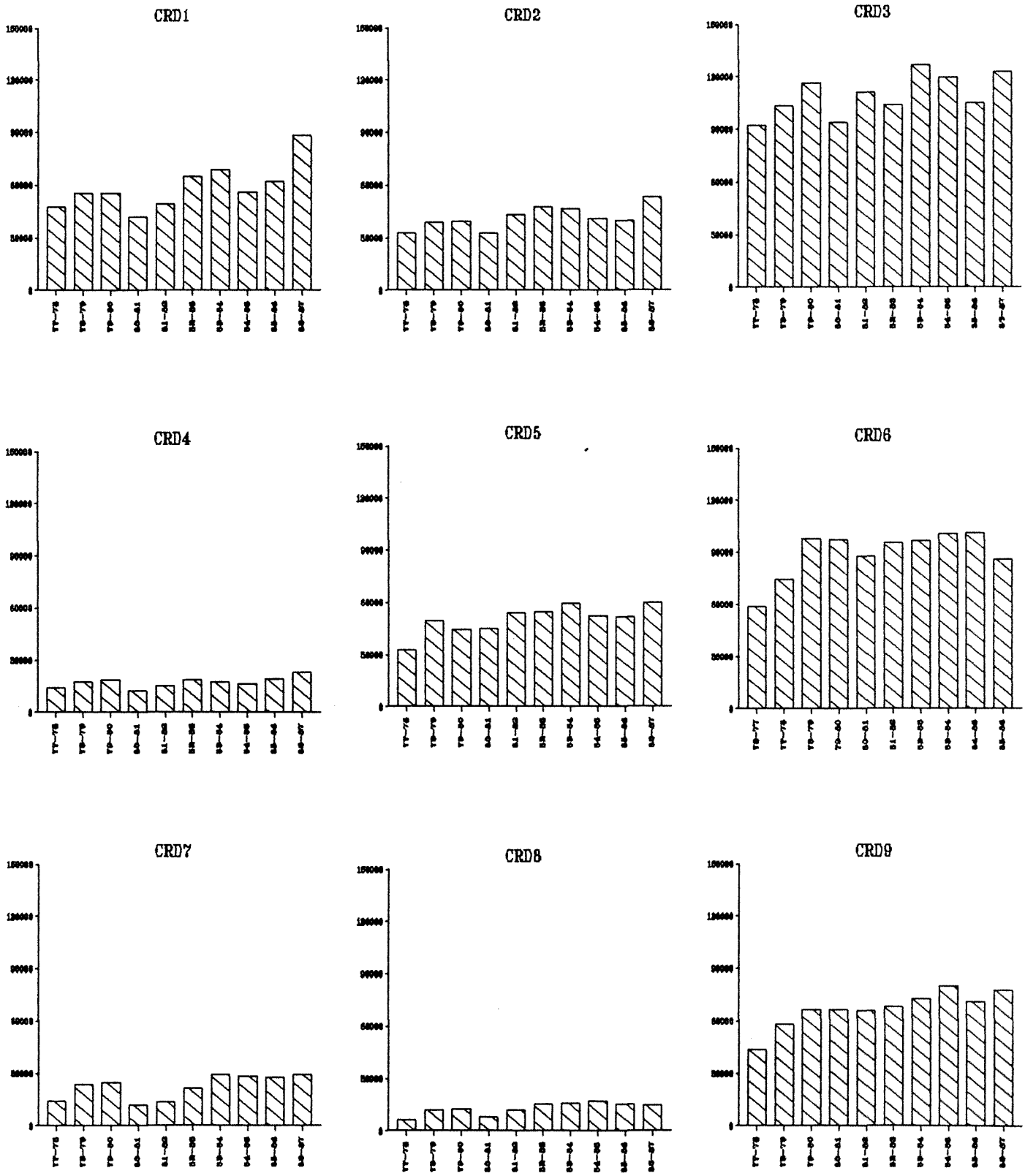
BY MONTH, 1986-87



NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
	(thousand bu.)									
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%)
3 Year Average	69,093	44,580	115,907	19,593	54,525	96,118	28,402	15,776	76,527	520,522
	(13%)	(9%)	(22%)	(4%)	(10%)	(18%)	(5%)	(3%)	(15%)	(100%)

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



HARD RED SPRING

WHEAT

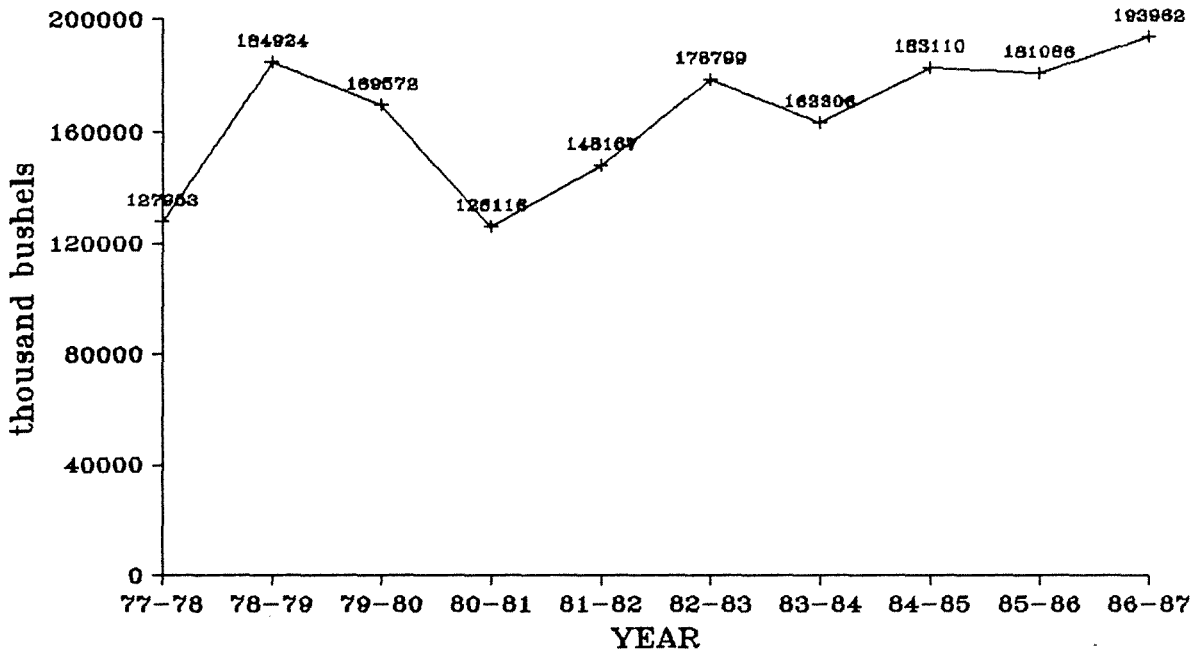
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
		(thousand bu.)			
1976-77	38,230 (31%)	53,419 (43%)	16,675 (13%)	15,651 (13%)	123,975 (100%)
1977-78	28,199 (22%)	65,832 (51%)	21,502 (17%)	12,402 (10%)	127,953 (100%)
1978-79	28,846 (16%)	108,717 (59%)	34,818 (19%)	12,542 (7%)	184,923 (100%)
1979-80	44,031 (26%)	76,887 (45%)	31,377 (19%)	17,278 (10%)	169,573 (100%)
1980-81	27,981 (22%)	62,608 (50%)	23,074 (18%)	12,453 (10%)	126,116 (100%)
1981-82	31,584 (21%)	77,113 (52%)	25,325 (17%)	14,146 (10%)	148,168 (100%)
1982-83	49,562 (28%)	79,160 (44%)	34,527 (19%)	15,550 (9%)	178,800 (100%)
1983-84	48,696 (30%)	66,518 (41%)	29,091 (18%)	19,000 (12%)	163,305 (100%)
1984-85	66,796 (36%)	56,002 (31%)	28,452 (16%)	31,859 (17%)	183,109 (100%)
1985-86	68,458 (38%)	48,723 (27%)	21,311 (12%)	42,597 (24%)	181,088 (100%)
1986-87	59,020 (30%)	51,564 (27%)	24,446 (13%)	58,933[a] (30%)	193,962 (100%)
3 Year Average	64,758 (35%)	52,096 (28%)	24,736 (13%)	44,462 (24%)	186,053 (100%)

[a] Miscellaneous markets for hard red spring wheat include Midland/Southwest States (22,914,459 bushels or 12%), Other Minnesota/Wisconsin (20,833,373 bushels or 11%), North Dakota destinations (3,453,220 bushels or 2%), and all other miscellaneous destinations (11,681,620 bushels or 5%).

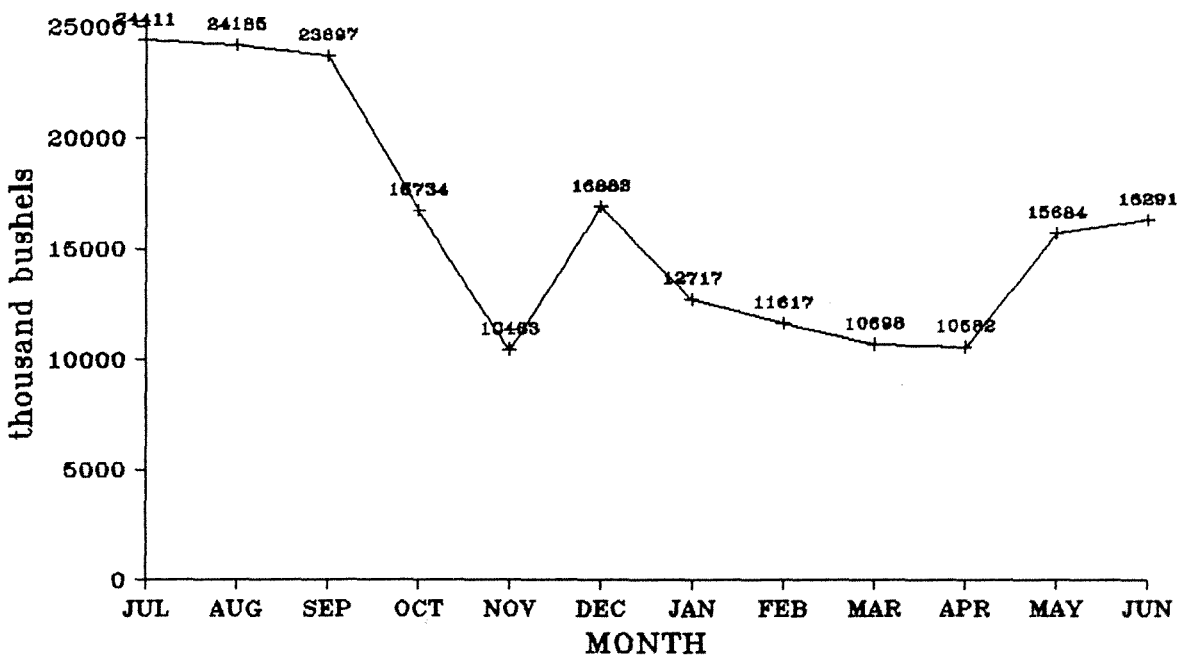
HARD RED SPRING WHEAT SHIPMENTS

1977–78 to 1986–87



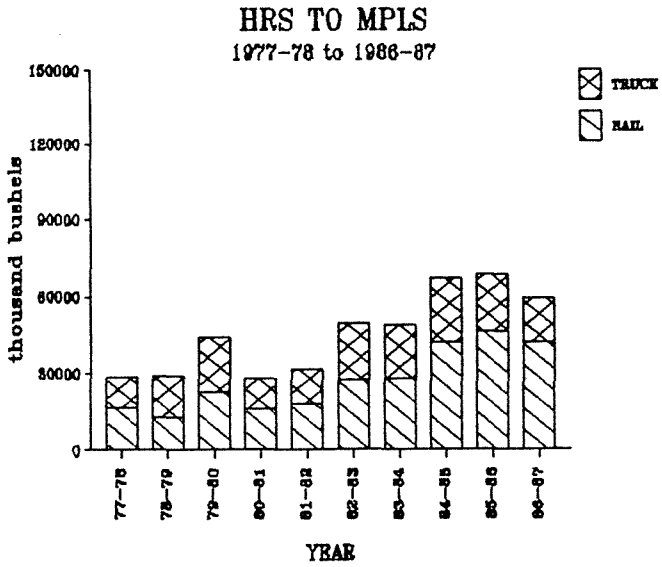
HARD RED SPRING WHEAT SHIPMENTS

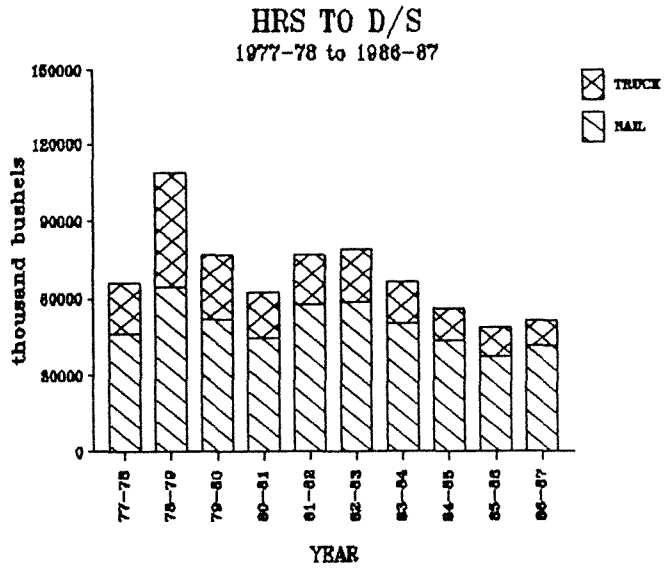
BY MONTH, 1986–87

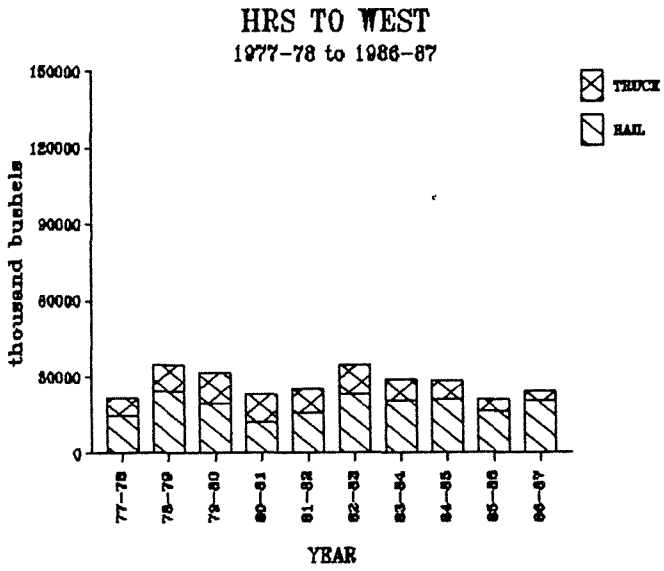


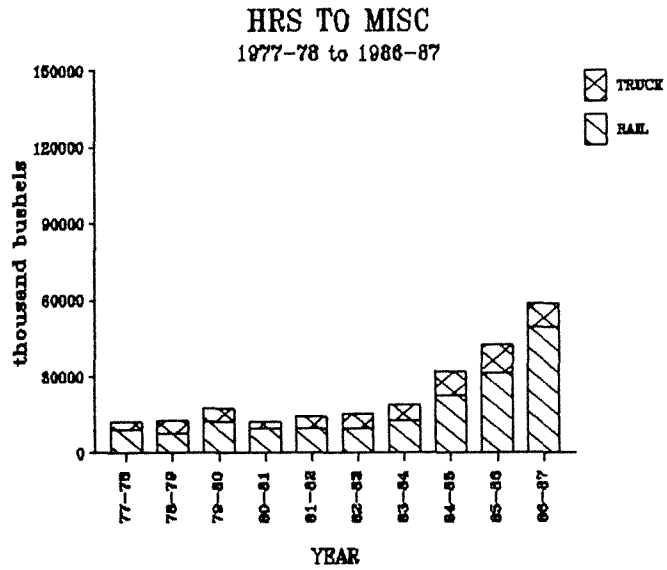
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

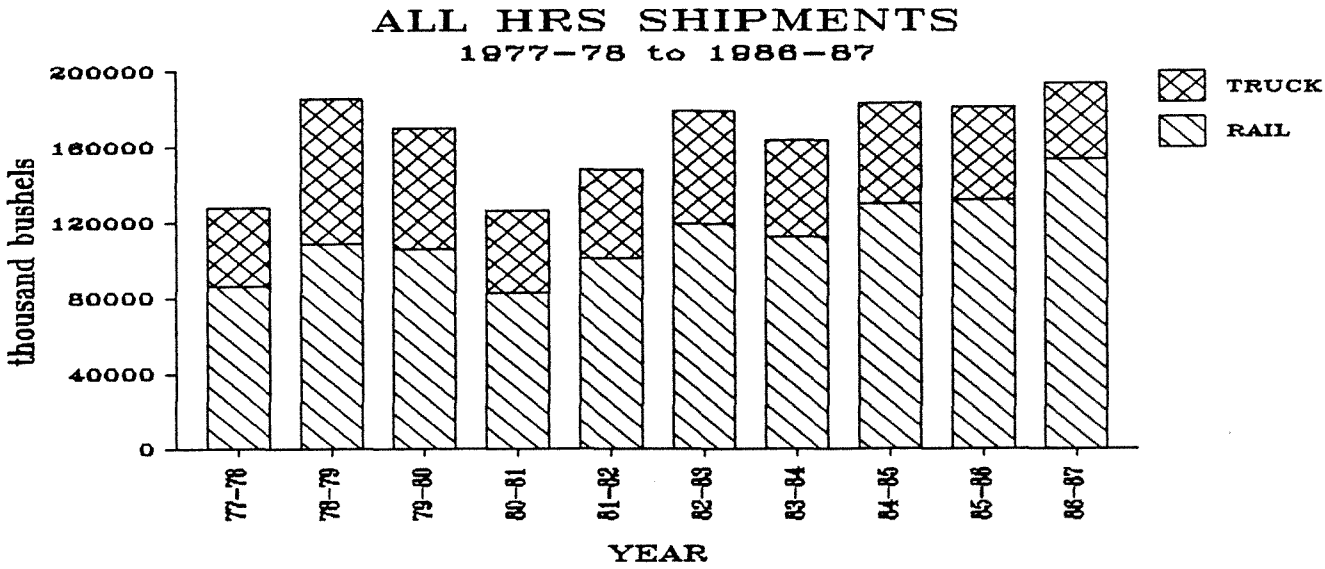
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
					(thousand bu.)					
1976-77	22,206	16,024	37,140	16,280	10,629	6,047	12,249	3,402	82,224	41,753
	(58%)	(42%)	(70%)	(30%)	(64%)	(36%)	(78%)	(22%)	(66%)	(33%)
1977-78	16,211	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	20,087	20,609	50,383	16,136	20,523	8,568	13,020	5,980	112,013	51,292
	(49%)	(51%)	(76%)	(24%)	(71%)	(29%)	(69%)	(31%)	(69%)	(31%)
1984-85	42,183	24,613	43,780	12,223	21,322	7,130	22,765	9,094	130,049	53,061
	(63%)	(37%)	(78%)	(22%)	(75%)	(25%)	(71%)	(29%)	(71%)	(29%)
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%)
3 Year Average	43,436	21,322	40,870	11,227	19,430	5,306	34,649	9,814	138,385	47,668
	(67%)	(33%)	(78%)	(22%)	(79%)	(21%)	(78%)	(22%)	(74%)	(26%)


HRS TO MPLS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
150000
120000
90000
60000
30000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


HRS TO D/S
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
150000
120000
90000
60000
30000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


HRS TO WEST
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
150000
120000
90000
60000
30000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

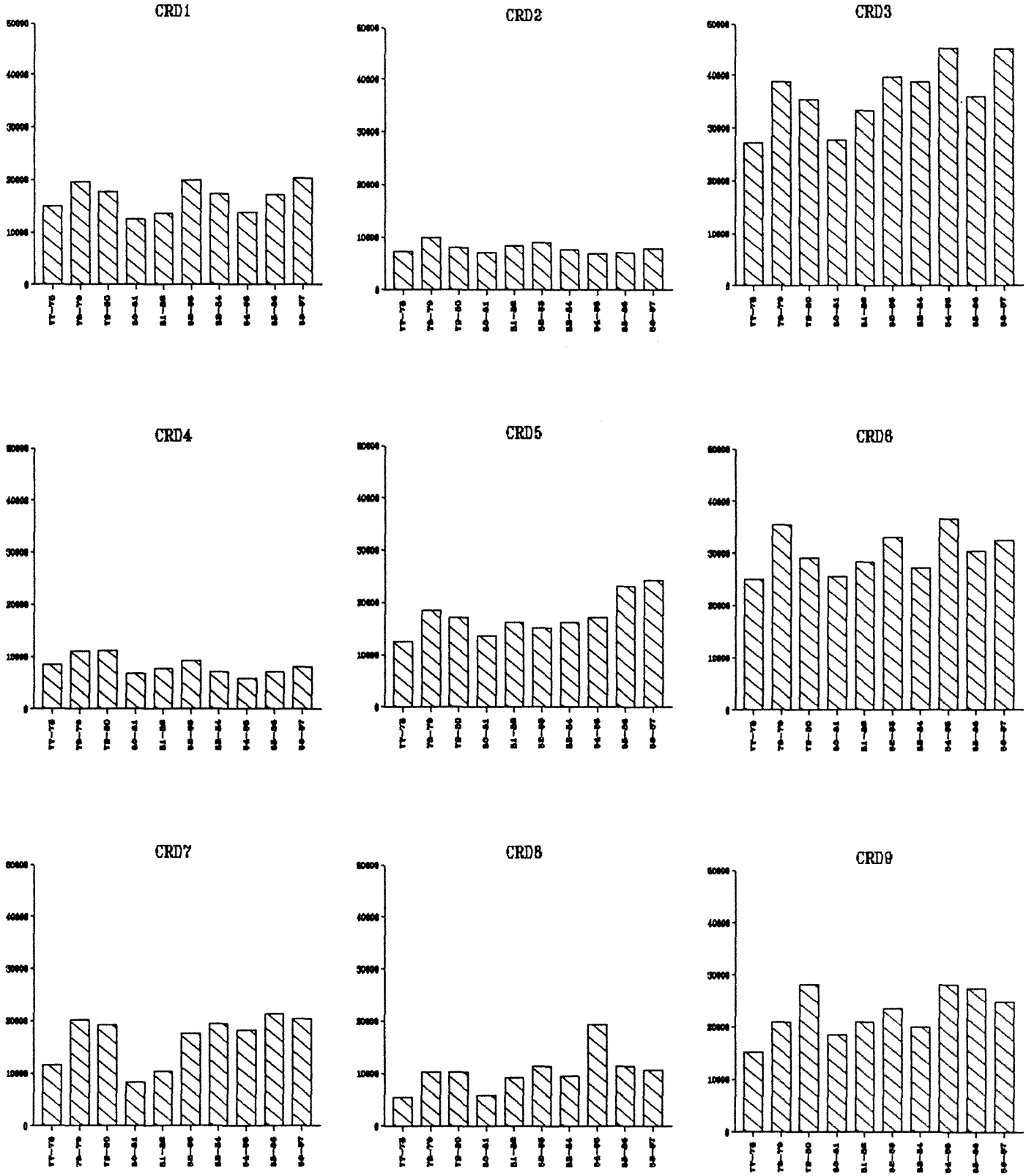

HRS TO MISC
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
150000
120000
90000
60000
30000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL HRS SHIPMENTS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
200000
160000
120000
80000
40000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

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

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
	(thousand bu.)									
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	184,823
	(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	169,573
	(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%)
3 Year Average	17,148	7,389	41,998	7,073	21,517	33,151	19,918	13,836	26,836	88,861
	(9%)	(4%)	(22%)	(4%)	(11%)	(18%)	(11%)	(7%)	(14%)	(100%)

HARD RED SPRING WHEAT SHIPMENTS BY CROP REPORTING DISTRICT
(thousand bushels)

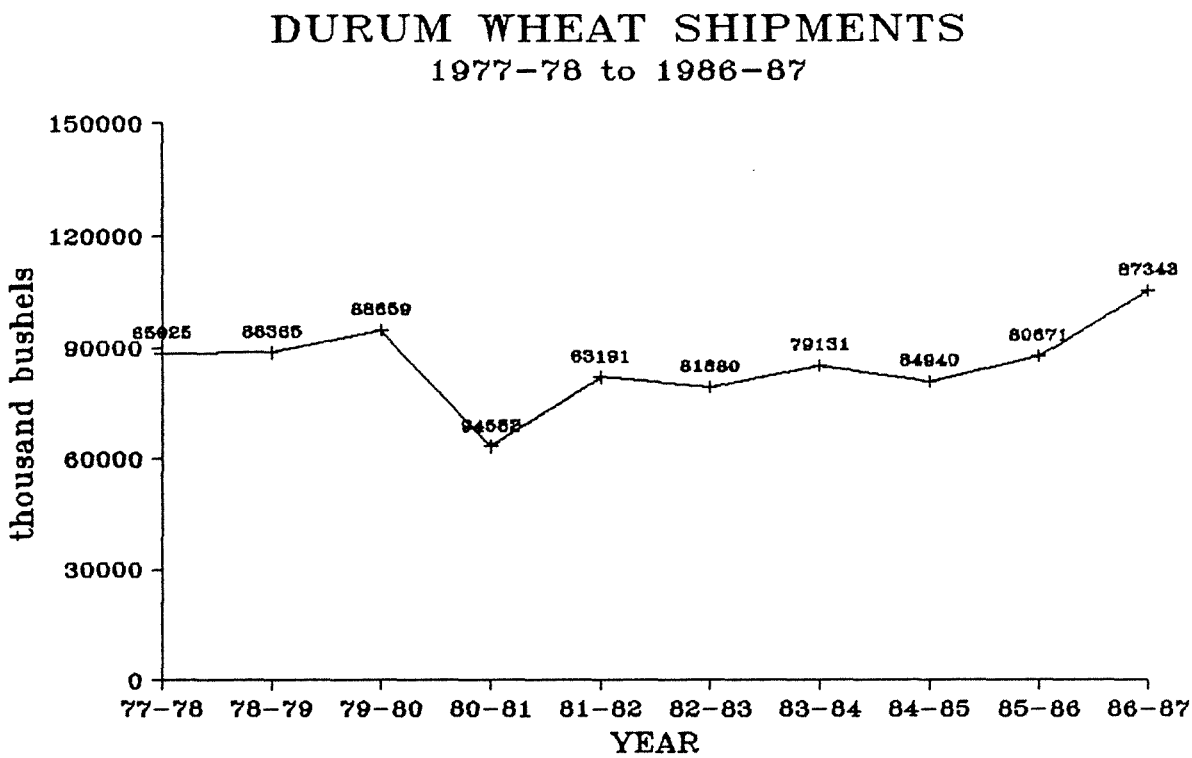


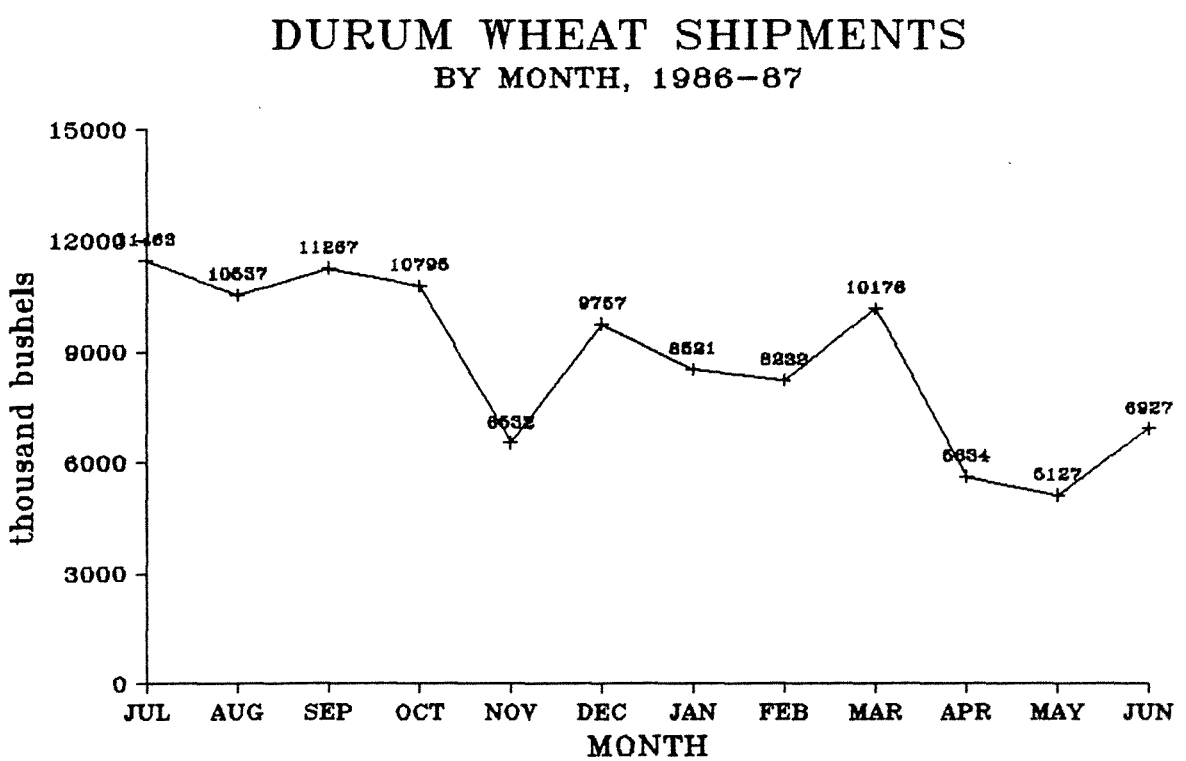
DURUM

NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
		(thousand bu.)			
1976-77	17,024	35,537	1,636	10,827	65,024
	(26%)	(55%)	(3%)	(17%)	(100%)
1977-78	16,478	61,990	1,339	8,559	88,366
	(19%)	(70%)	(2%)	(10%)	(100%)
1978-79	18,797	60,973	1,545	7,345	88,660
	(21%)	(69%)	(2%)	(8%)	(100%)
1979-80	26,712	57,379	1,506	8,985	94,582
	(28%)	(61%)	(2%)	(9%)	(100%)
1980-81	15,046	38,502	483	9,160	63,191
	(24%)	(61%)	(1%)	(14%)	(100%)
1981-82	19,768	49,242	621	12,250	81,881
	(24%)	(60%)	(1%)	(15%)	(100%)
1982-83	22,010	42,820	735	13,567	79,132
	(28%)	(54%)	(0.9%)	(17%)	(100%)
1983-84	23,842	43,143	1,379	16,578	84,941
	(28%)	(51%)	(2%)	(20%)	(100%)
1984-85	18,352	48,137	1,420	12,761	80,670
	(23%)	(60%)	(2%)	(16%)	(100%)
1985-86	23,498	38,026	2,925	22,895	87,344
	(27%)	(44%)	(3%)	(26%)	(100%)
1986-87	17,350	46,150	2,969	38,498[a]	104,968
	(17%)	(44%)	(3%)	(37%)	(100%)
3 Year Average	19,733	44,104	2,438	24,718	90,994
	(22%)	(48%)	(3%)	(27%)	(100%)

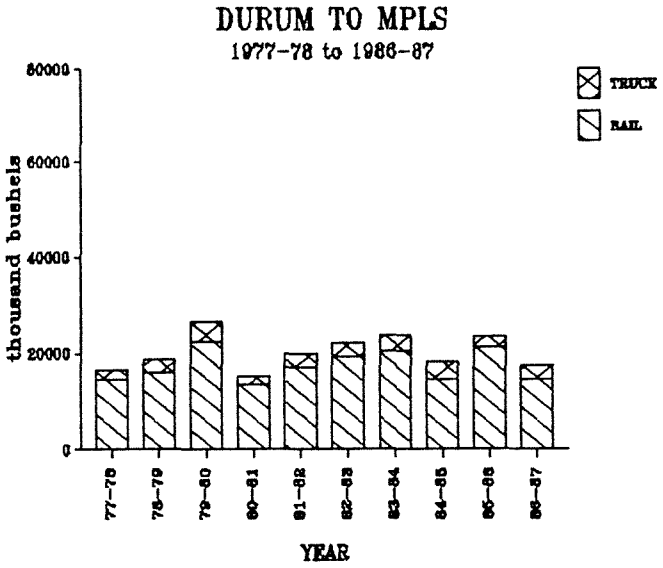
[a] Miscellaneous markets for durum include Midland/Southwest States (16,334,676 bushels or 16%), Other Minnesota/Wisconsin (9,926,887 bushels or 9%), North Dakota destinations (5,686,365 or 5%), and all other miscellaneous destinations (6,550,516 bushels or 7%).

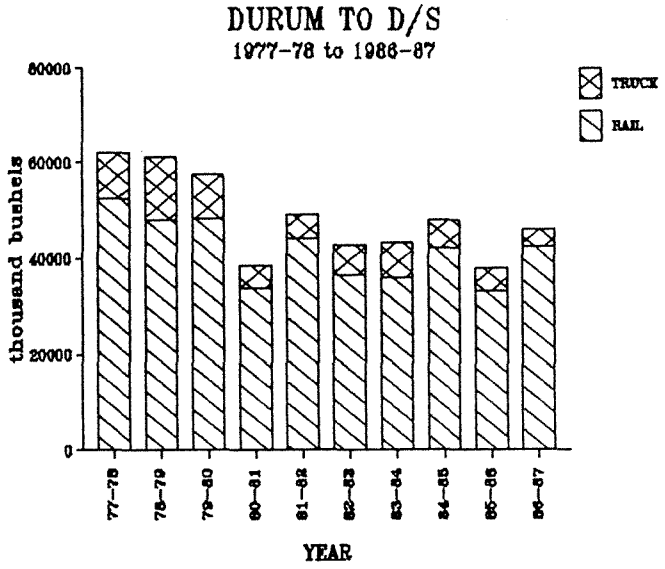

DURUM WHEAT SHIPMENTS
1977-78 to 1986-87
150000
120000
90000
60000
30000
0
thousand bushels
65925
86365
88659
63191
81880
79131
84940
80671
87343
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

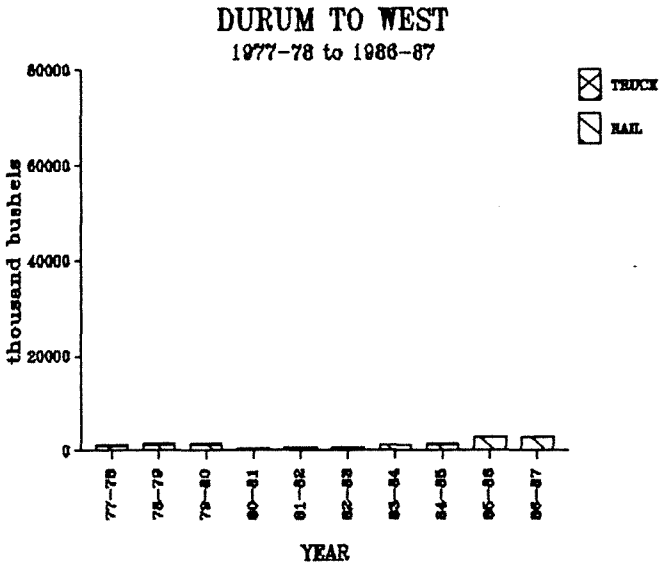

DURUM WHEAT SHIPMENTS
BY MONTH, 1986-87
15000
12000
9000
6000
3000
0
thousand bushels
11463
10537
11267
10795
9757
8521
8232
10176
6927
6634
6127
JUL
AUG
SEP
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
MONTH

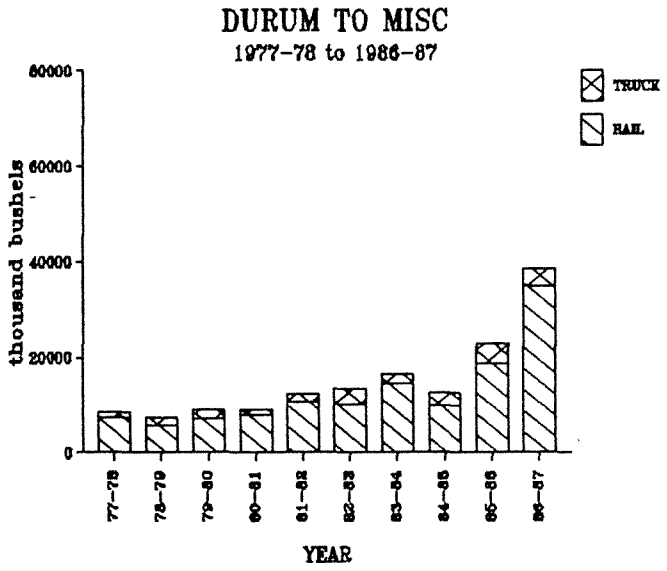
NORTH DAKOTA DURUM SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

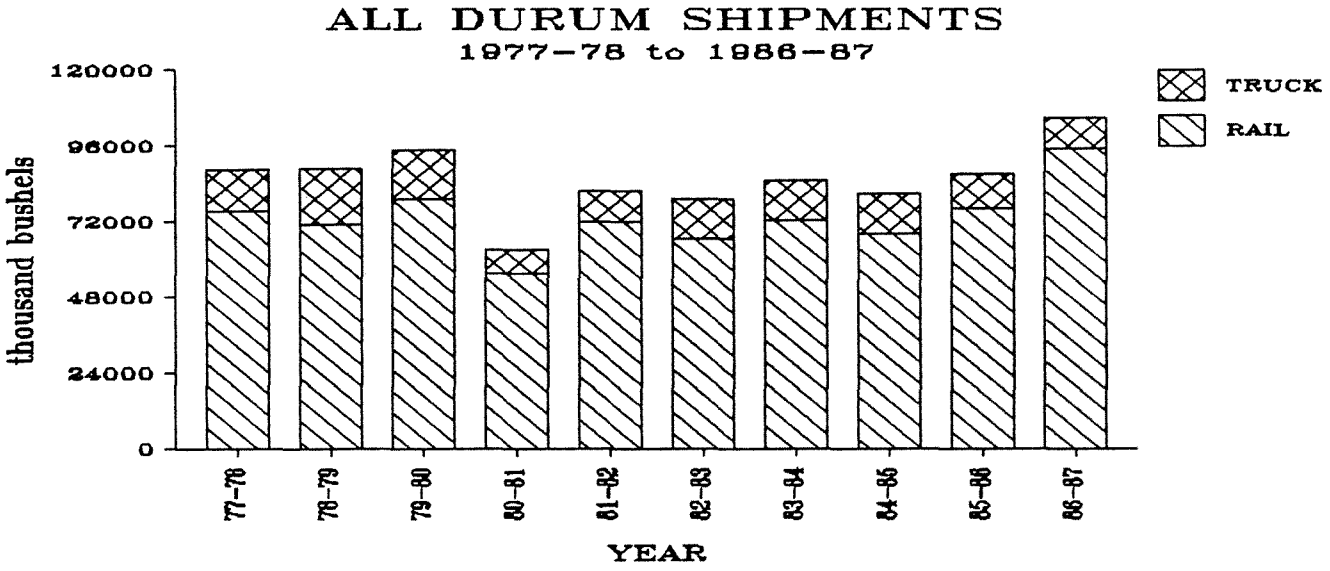
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
					(thousand bu.)					
1976-77	14,664	2,360	29,747	5,790	481	1,155	9,681	1,147	54,573	10,452
	(86%)	(14%)	(84%)	(16%)	(29%)	(71%)	(89%)	(11%)	(84%)	(16%)
1977-78	14,576	1,902	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%)
3 Year Average	16,841	2,893	39,370	4,734	2,341	97	21,131	3,587	79,683	11,311
	(85%)	(15%)	(89%)	(11%)	(96%)	(4%)	(85%)	(15%)	(88%)	(12%)


DURUM TO MPLS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
80000
60000
40000
20000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


DURUM TO D/S
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
80000
60000
40000
20000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


DURUM TO WEST
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
80000
60000
40000
20000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

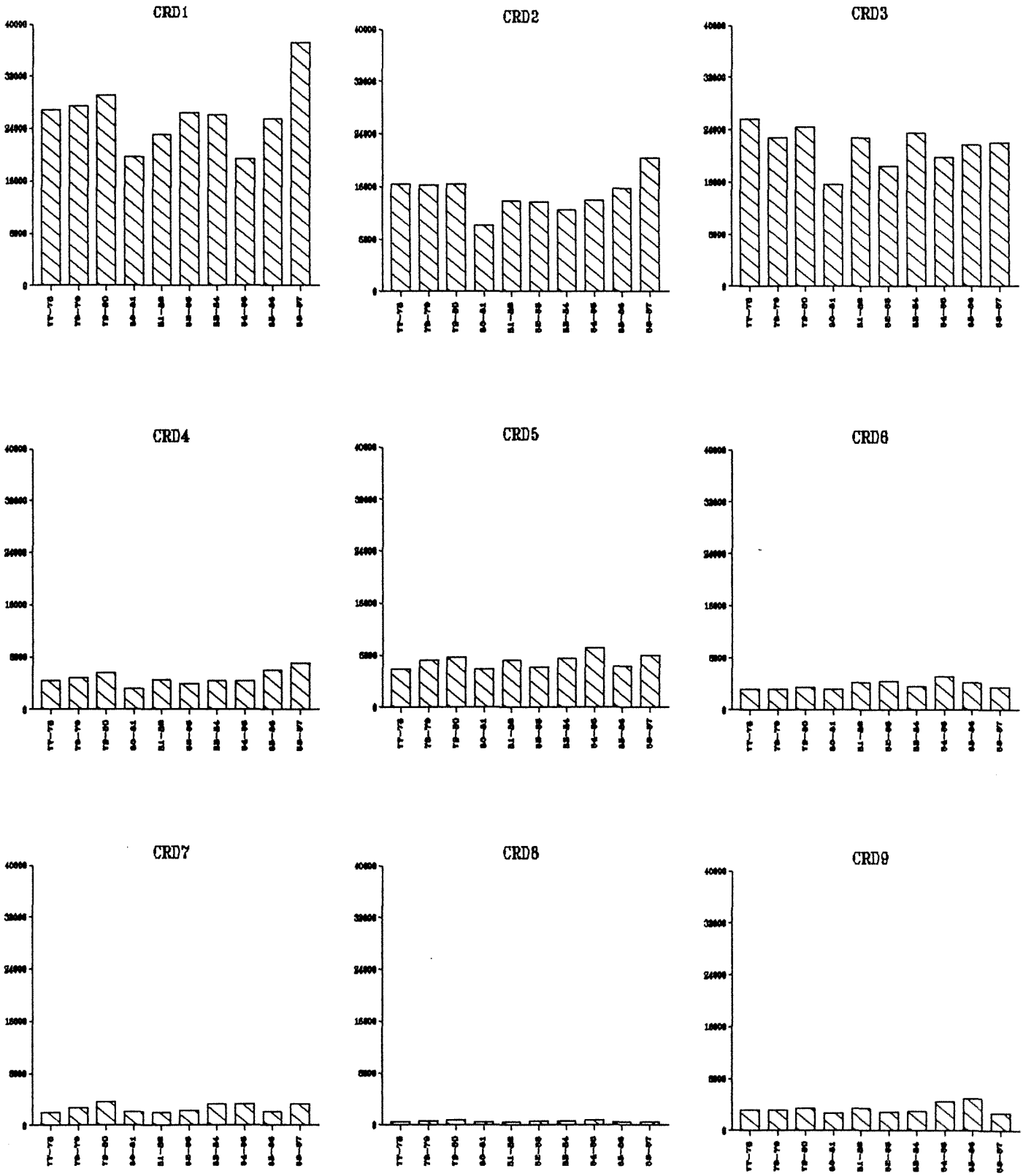

DURUM TO MISC
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
80000
60000
40000
20000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL DURUM SHIPMENTS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
120000
96000
72000
48000
24000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

NORTH DAKOTA DURUM SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
	(thousand bu.)									
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%)
3 Year Average	27,386	16,777	21,260	5,806	7,821	4,299	2,985	618	4,403	90,994
	(30%)	(18%)	(23%)	(6%)	(9%)	(5%)	(3%)	(1%)	(4%)	(100%)

DURUM SHIPMENTS BY CROP REPORTING DISTRICT
(thousand bushels)

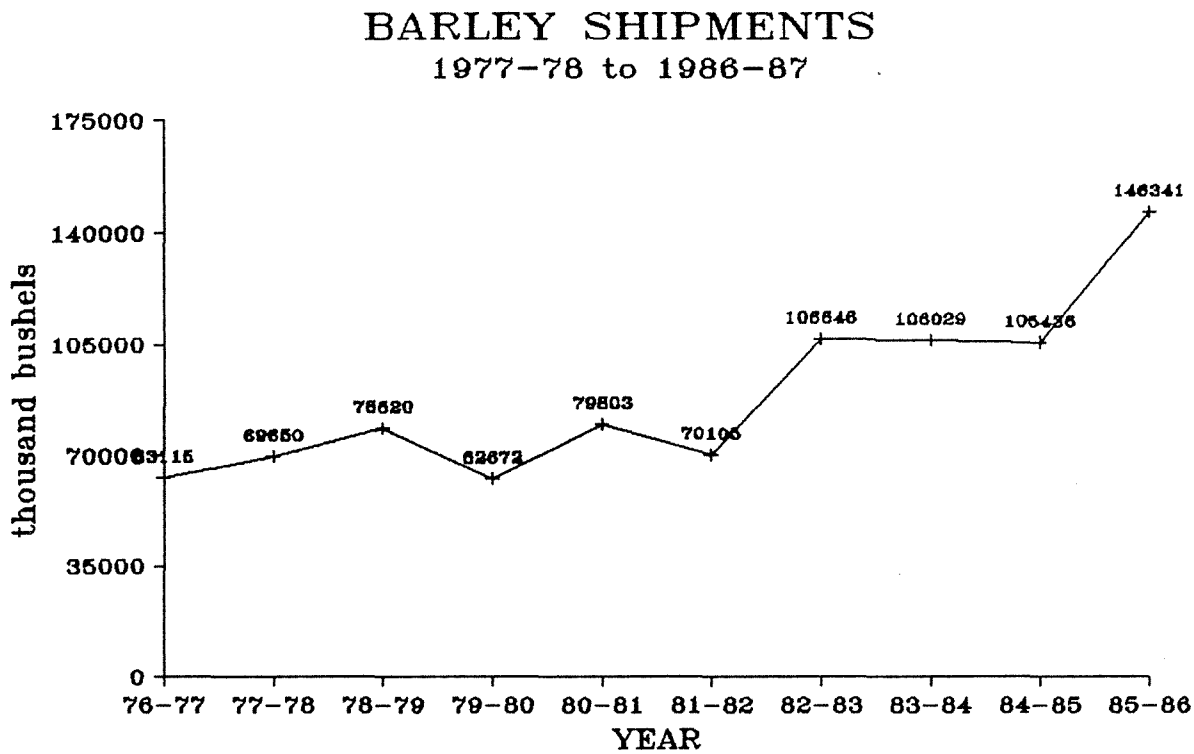


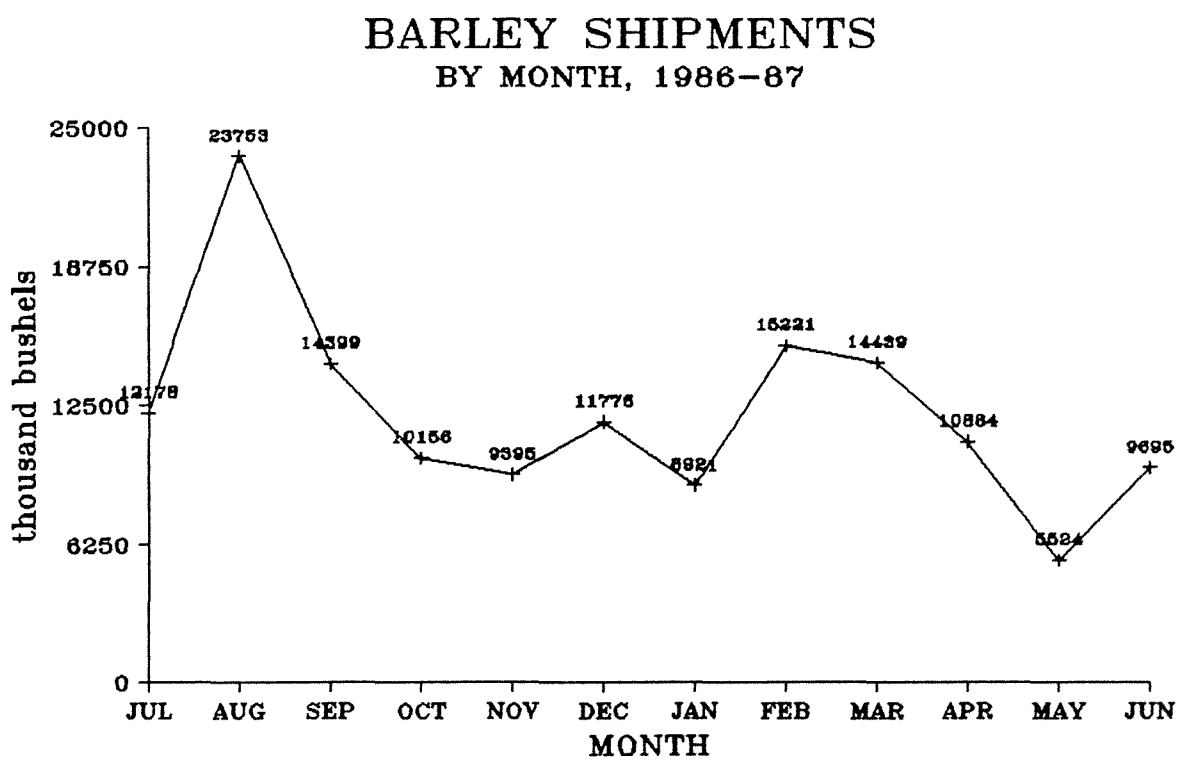
BARLEY

NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
		(thousand bu.)			
1976-77	39,728	26,672	126	6,788	73,314
	(54%)	(36%)	(1%)	(9%)	(100%)
1977-78	25,006	22,394	792	14,923	63,115
	(40%)	(35%)	(1%)	(24%)	(100%)
1978-79	27,092	12,786	1,204	28,566	69,648
	(39%)	(18%)	(2%)	(41%)	(100%)
1979-80	29,169	22,643	753	26,056	78,621
	(37%)	(29%)	(1%)	(33%)	(100%)
1980-81	20,034	14,214	2,147	26,277	62,672
	(32%)	(23%)	(3%)	(42%)	(100%)
1981-82	19,942	31,671	1,156	27,032	79,801
	(25%)	(40%)	(1%)	(34%)	(100%)
1982-83	20,857	12,544	1,766	34,939	70,106
	(30%)	(18%)	(3%)	(50%)	(100%)
1983-84	21,394	38,578	4,290	42,383	106,645
	(20%)	(36%)	(4%)	(40%)	(100%)
1984-85	22,827	26,665	9,473	47,064	106,030
	(22%)	(25%)	(9%)	(44%)	(100%)
1985-86	20,434	8,175	9,554	67,273	105,436
	(19%)	(8%)	(9%)	(64%)	(100%)
1986-87	29,521	10,136	42,849	63,836[a]	146,342
	(20%)	(7%)	(29%)	(44%)	(100%)
3 Year Average	24,260	14,992	20,625	59,391	119,269
	(20%)	(13%)	(17%)	(50%)	(100%)

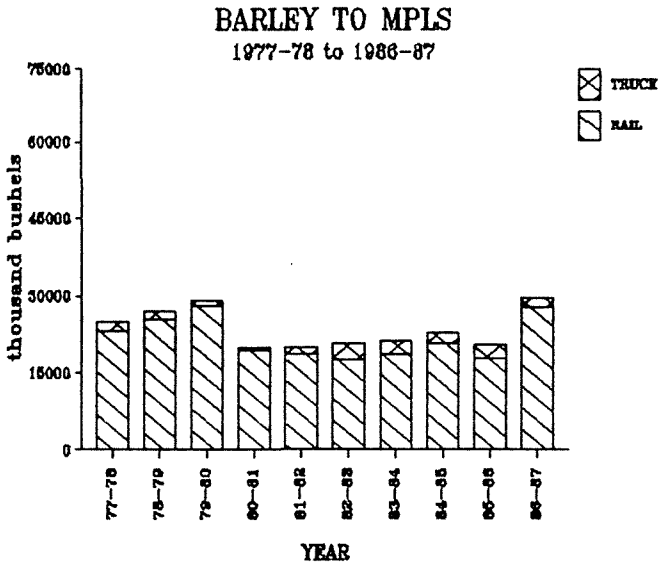
[a] Miscellaneous markets for barley include Other Minnesota/Wisconsin (21,361,365 bushels or 15%), Midland/Southwest States (19,153,839 bushels or 13%), North Dakota destinations (14,804,866 bushels or 10%), and all other miscellaneous destinations (8,515,724 bushels or 6%.).

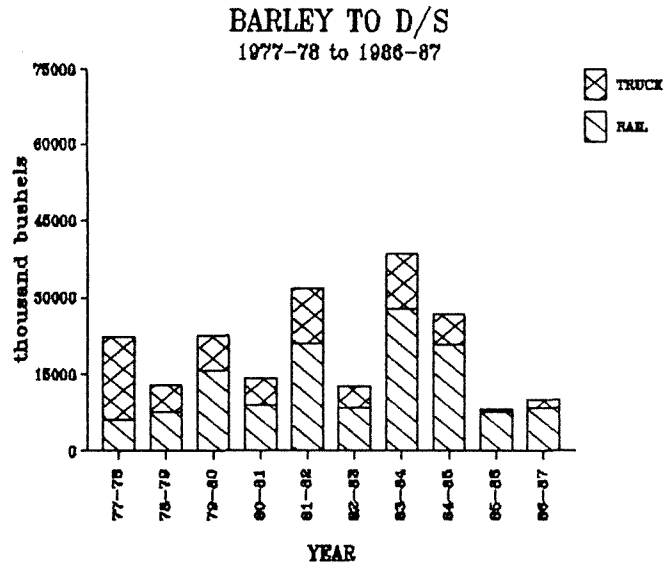

BARLEY SHIPMENTS
1977-78 to 1986-87
thousand bushels
175000
140000
105000
70000
35000
0
63115
69650
76620
62673
79803
70105
105646
106029
105436
146341
76-77
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
YEAR

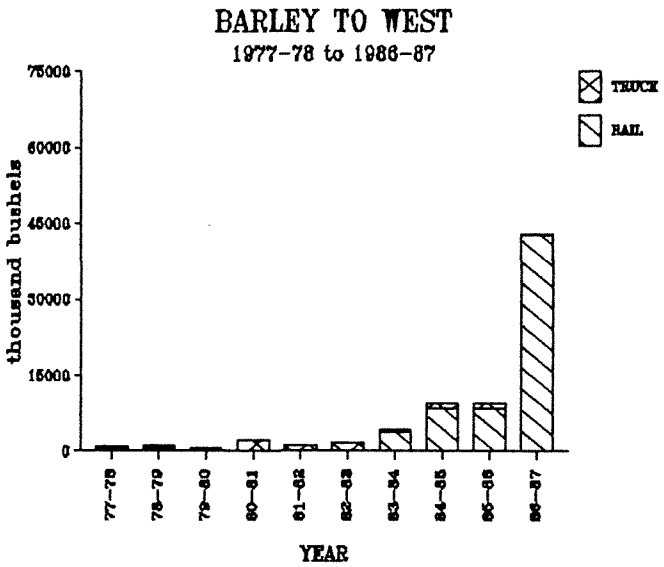

BARLEY SHIPMENTS
BY MONTH, 1986-87
thousand bushels
25000
18750
12500
6250
0
12178
23753
14399
10156
9395
11776
6921
15221
14439
10884
5524
9695
JUL
AUG
SEP
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
MONTH

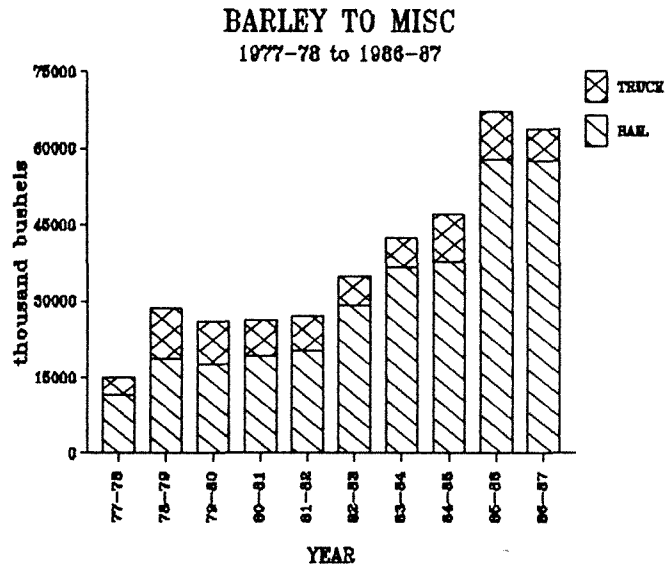
NORTH DAKOTA BARLEY SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

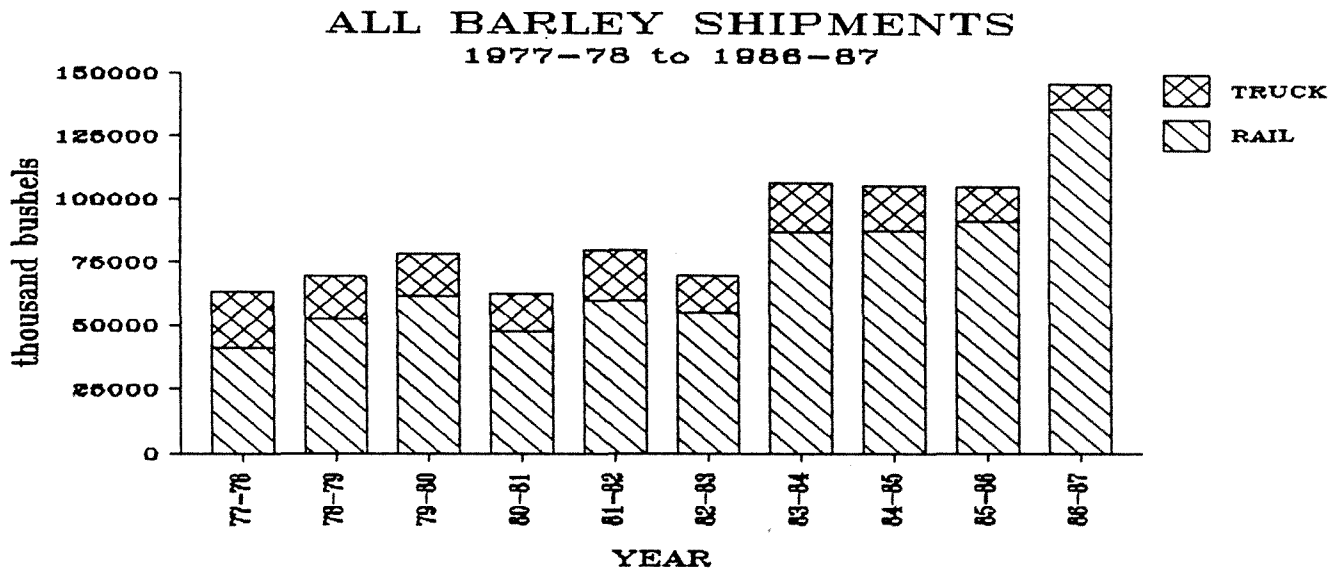
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
					(thousand bu.)					
1976-77	37,974	1,753	5,792	20,880	74	52	4,329	2,459	48,169	25,144
	(96%)	(4%)	(22%)	(78%)	(58%)	(42%)	(64%)	(36%)	(66%)	(34%)
1977-78	23,111	1,895	6,145	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%)
3 Year Average	22,147	2,114	12,287	2,705	19,847	778	50,990	8,401	105,271	13,998
	(91%)	(9%)	(82%)	(18%)	(96%)	(4%)	(86%)	(14%)	(88%)	(12%)


BARLEY TO MPLS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
75000
60000
45000
30000
15000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


BARLEY TO D/S
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
75000
60000
45000
30000
15000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


BARLEY TO WEST
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
75000
60000
45000
30000
15000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

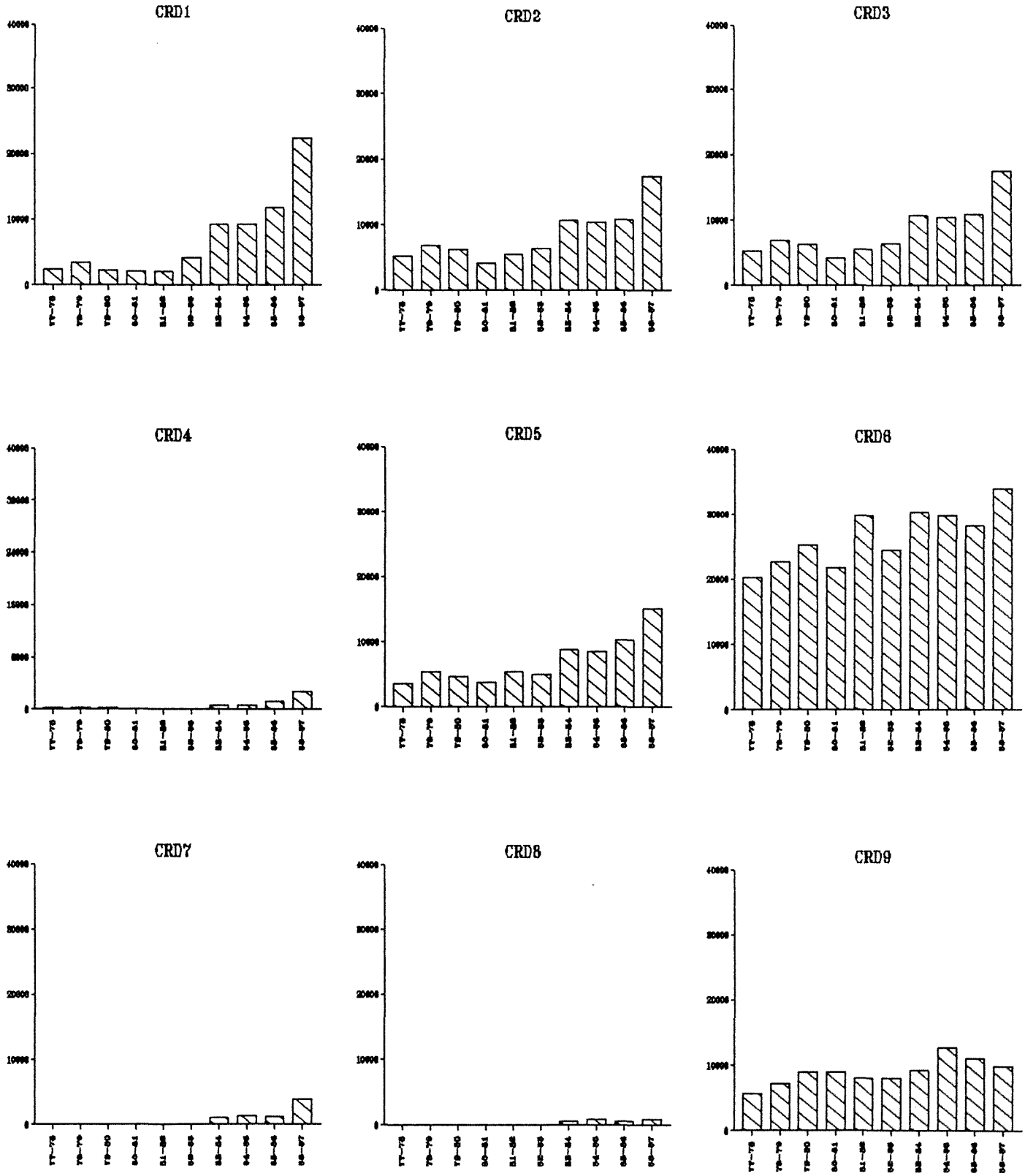

BARLEY TO MISC
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
75000
60000
45000
30000
15000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL BARLEY SHIPMENTS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
150000
125000
100000
75000
50000
25000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

NORTH DAKOTA BARLEY SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
					(thousand bu.)					
1976-77	3,229	7,761	30,727	345	4,773	22,440	300	237	3,501	73,313
	(4%)	(11%)	(42%)	(1%)	(7%)	(31%)	(0%)	(0%)	(5%)	(100%)
1977-78	2,502	5,220	25,417	175	3,682	20,258	94	20	5,747	63,115
	(4%)	(8%)	(40%)	(0%)	(6%)	(32%)	(0%)	(0%)	(9%)	(100%)
1978-79	3,515	6,930	23,449	164	5,423	22,739	120	122	7,185	69,647
	(5%)	(10%)	(34%)	(0%)	(8%)	(33%)	(0%)	(0%)	(10%)	(100%)
1979-80	2,355	6,267	30,625	214	4,697	25,247	130	106	8,980	78,621
	(3%)	(8%)	(39%)	(0%)	(6%)	(32%)	(0%)	(0%)	(11%)	(100%)
1980-81	2,162	4,217	21,561	56	3,782	21,812	13	21	9,049	62,673
	(3%)	(7%)	(36%)	(0%)	(6%)	(35%)	(0%)	(0%)	(14%)	(100%)
1981-82	2,175	5,571	28,506	89	5,504	29,773	12	63	8,108	79,801
	(3%)	(7%)	(36%)	(0%)	(7%)	(37%)	(0%)	(0%)	(10%)	(100%)
1982-83	4,304	6,458	21,380	139	5,028	24,481	57	113	8,146	70,105
	(6%)	(9%)	(30%)	(0%)	(7%)	(35%)	(0%)	(0%)	(12%)	(100%)
1983-84	9,304	10,838	35,568	612	8,891	30,281	1,125	672	9,354	106,645
	(9%)	(10%)	(33%)	(1%)	(8%)	(28%)	(1%)	(1%)	(9%)	(100%)
1984-85	9,245	10,420	32,002	692	8,587	29,904	1,386	1,006	12,789	106,030
	(9%)	(10%)	(30%)	(1%)	(8%)	(28%)	(1%)	(1%)	(12%)	(100%)
1985-86	11,790	10,918	29,931	1,328	10,275	28,258	1,232	611	11,092	105,436
	(11%)	(10%)	(28%)	(1%)	(10%)	(27%)	(1%)	(1%)	(11%)	(100%)
1986-87	22,443	17,501	40,032	2,698	15,079	33,828	3,883	945	9,931	146,342
	(15%)	(12%)	(27%)	(2%)	(10%)	(23%)	(3%)	(1%)	(7%)	(100%)
3 Year	14,493	12,946	33,988	1,573	11,314	30,663	2,167	854	11,271	119,269
Average	(12%)	(11%)	(28%)	(1%)	(9%)	(26%)	(2%)	(1%)	(9%)	(100%)

BARLEY SHIPMENTS BY CROP REPORTING DISTRICT
(thousand bushels)

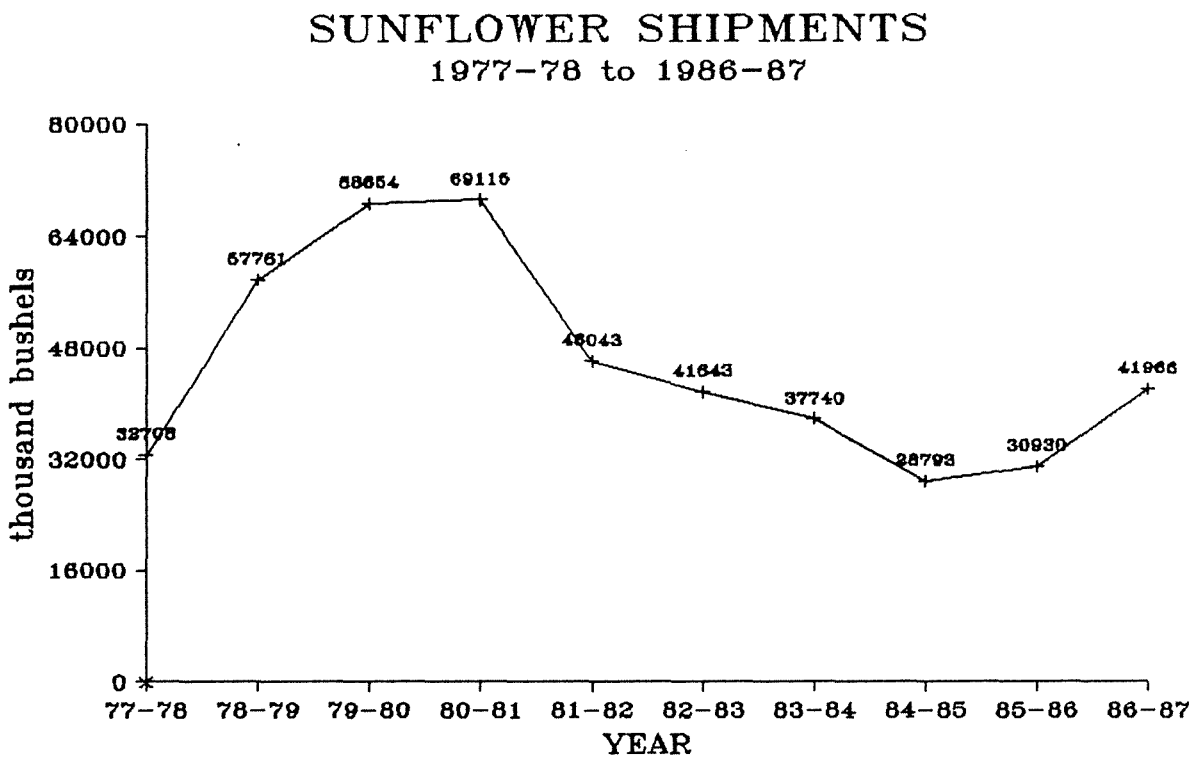


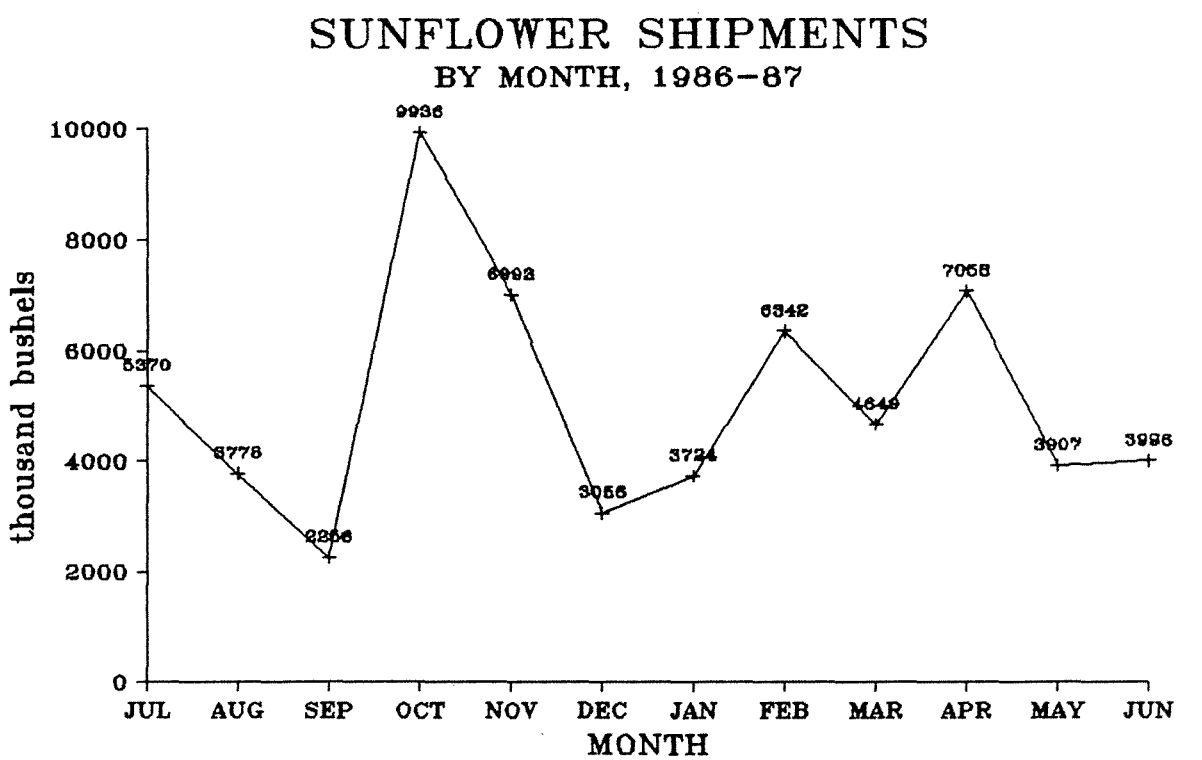
SUNFLOWER SEED

NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	OTHER MINN.	MISC. MARKETS	TOTAL
		(thousand bu.)			
1976-77	863	8,693	1,369	4,697	15,622
	(6%)	(56%)	(9%)	(30%)	(100%)
1977-78	2,992	38,019	3,220	7,047	51,278
	(6%)	(74%)	(6%)	(14%)	(100%)
1978-79	4,790	63,178	5,608	5,677	79,253
	(6%)	(80%)	(7%)	(7%)	(100%)
1979-80	6,154	69,422	8,215	12,149	95,740
	(6%)	(72%)	(9%)	(13%)	(100%)
1980-81	10,167	67,277	8,398	29,024	114,866
	(9%)	(59%)	(9%)	(25%)	(100%)
1981-82	6,664	70,391	3,479	30,962	111,496
	(6%)	(63%)	(3%)	(28%)	(100%)
1982-83	14,374	64,849	9,282	33,240	121,744
	(12%)	(53%)	(8%)	(27%)	(100%)
1983-84	11,741	40,560	3,486	47,661	103,449
	(11%)	(39%)	(3%)	(46%)	(100%)
1984-85	5,636	42,875	5,806	23,094	77,412
	(7%)	(55%)	(8%)	(30%)	(100%)
1985-86	3,623	12,659	2,413	34,846	53,541
	(7%)	(24%)	(5%)	(65%)	(100%)
1986-87	3,142	9,705	2,903	45,316[a]	61,067
	(5%)	(16%)	(5%)	(74%)	(100%)
3 Year Average	4,133	21,747	3,707	34,419	64,006
	(6%)	(34%)	(6%)	(54%)	(100%)

[a] Miscellaneous markets for sunflower seed include North Dakota destinations (38,130,860 bushels or 62%), Midland/Southwest States (957,561 bushels or 2%), West States (268,739 bushels or less than 1%), and all other miscellaneous destinations (5,959,096 bushels or 10%).


SUNFLOWER SHIPMENTS
1977-78 to 1986-87
thousand bushels
80000
64000
48000
32000
16000
0
32795
57761
68654
69115
48043
41643
37740
28793
30930
41966
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


SUNFLOWER SHIPMENTS
BY MONTH, 1986-87
thousand bushels
10000
8000
6000
4000
2000
0
5370
3778
2256
9936
6992
3056
3724
6342
4646
7058
3907
3996
JUL
AUG
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OCT
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DEC
JAN
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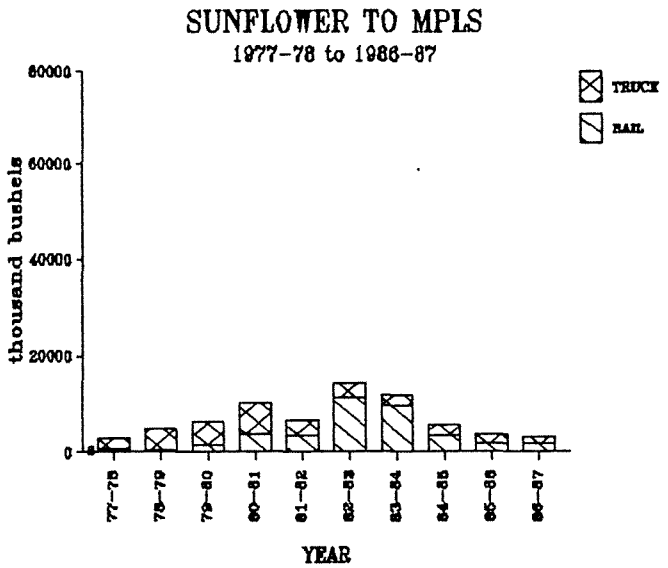
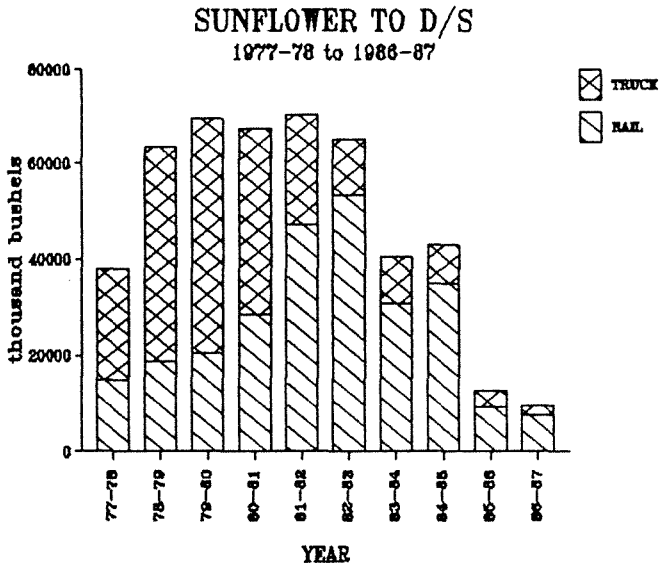
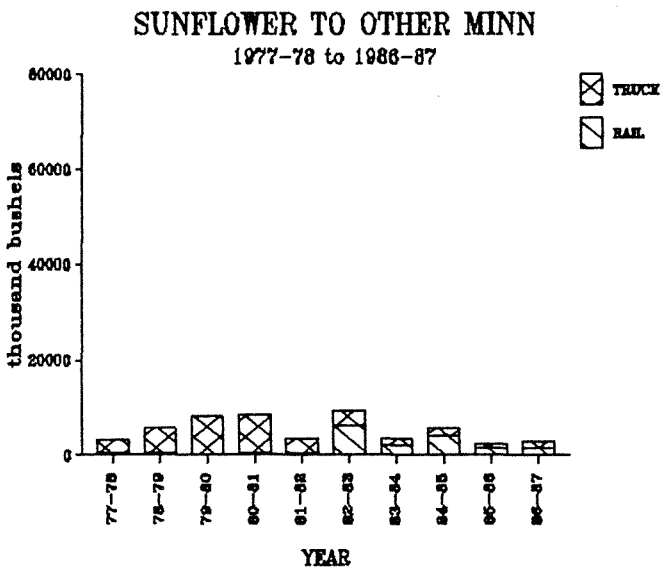
MAR
APR
MAY
JUN
MONTH

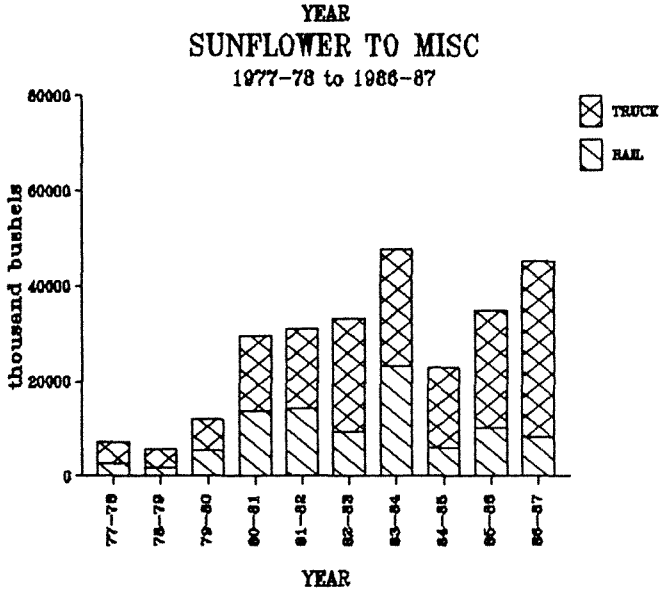
NORTH DAKOTA SUNFLOWER SEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

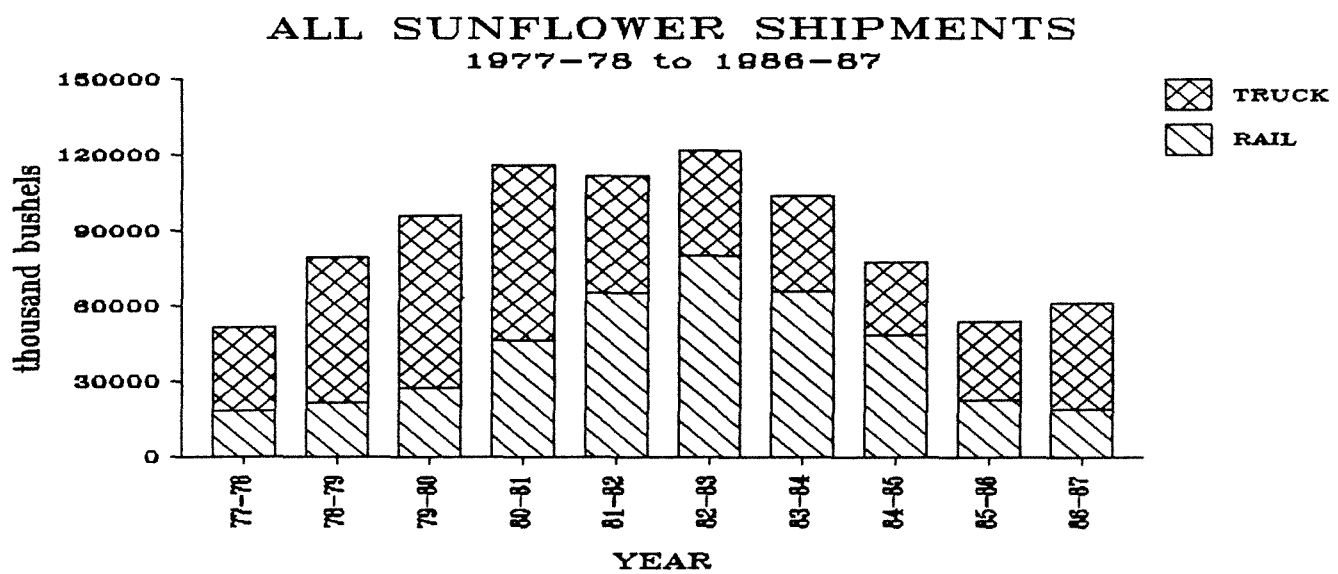
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		OTHER MINN.		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
					(thousand bu.)					
1976-77	700	163	5,598	3,095	256	1,114	1,966	2,730	8,520	7,102
	(81%)	(19%)	(64%)	(36%)	(19%)	(81%)	(42%)	(58%)	(55%)	(45%)
1977-78	770	2,223	14,820	23,199	367	2,853	2,614	4,433	18,571	32,708
	(26%)	(74%)	(39%)	(61%)	(11%)	(89%)	(37%)	(63%)	(36%)	(64%)
1978-79	489	4,301	18,830	44,348	465	5,143	1,708	3,969	21,492	57,761
	(10%)	(90%)	(30%)	(70%)	(8%)	(92%)	(30%)	(70%)	(27%)	(73%)
1979-80	1,395	4,759	20,419	49,003	144	8,070	5,329	6,822	27,287	68,654
	(23%)	(77%)	(29%)	(71%)	(2%)	(98%)	(44%)	(56%)	(28%)	(72%)
1980-81	3,621	6,545	28,607	38,670	357	8,041	13,859	15,859	45,750	69,116
	(36%)	(64%)	(43%)	(57%)	(4%)	(96%)	(45%)	(55%)	(40%)	(60%)
1981-82	3,563	3,101	47,223	23,168	389	3,090	14,278	16,684	65,453	46,043
	(53%)	(47%)	(67%)	(33%)	(11%)	(89%)	(46%)	(54%)	(59%)	(41%)
1982-83	11,367	3,007	53,207	11,641	6,241	3,041	9,286	23,954	80,101	41,643
	(79%)	(21%)	(82%)	(18%)	(67%)	(33%)	(28%)	(72%)	(66%)	(34%)
1983-84	9,650	2,090	30,672	9,888	2,049	1,437	23,336	24,325	65,708	37,742
	(82%)	(18%)	(76%)	(24%)	(59%)	(41%)	(49%)	(51%)	(64%)	(36%)
1984-85	3,617	2,019	34,912	7,963	4,080	1,726	6,009	17,085	48,618	28,793
	(64%)	(36%)	(81%)	(19%)	(70%)	(30%)	(26%)	(74%)	(63%)	(37%)
1985-86	1,690	1,932	9,286	3,373	1,445	968	10,189	24,657	22,610	30,931
	(47%)	(53%)	(73%)	(27%)	(60%)	(40%)	(29%)	(71%)	(42%)	(58%)
1986-87	1,925	1,217	7,521	2,185	1,430	1,473	8,226	37,090	19,101	41,965
	(61%)	(39%)	(77%)	(23%)	(49%)	(51%)	(18%)	(82%)	(31%)	(69%)
3 Year	2,411	1,723	17,240	4,507	2,318	1,389	8,141	26,277	30,110	33,896
Average	(58%)	(42%)	(79%)	(21%)	(63%)	(37%)	(24%)	(76%)	(47%)	(53%)


SUNFLOWER TO MPLS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
YEAR


SUNFLOWER TO D/S
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
YEAR


SUNFLOWER TO OTHER MINN
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
YEAR

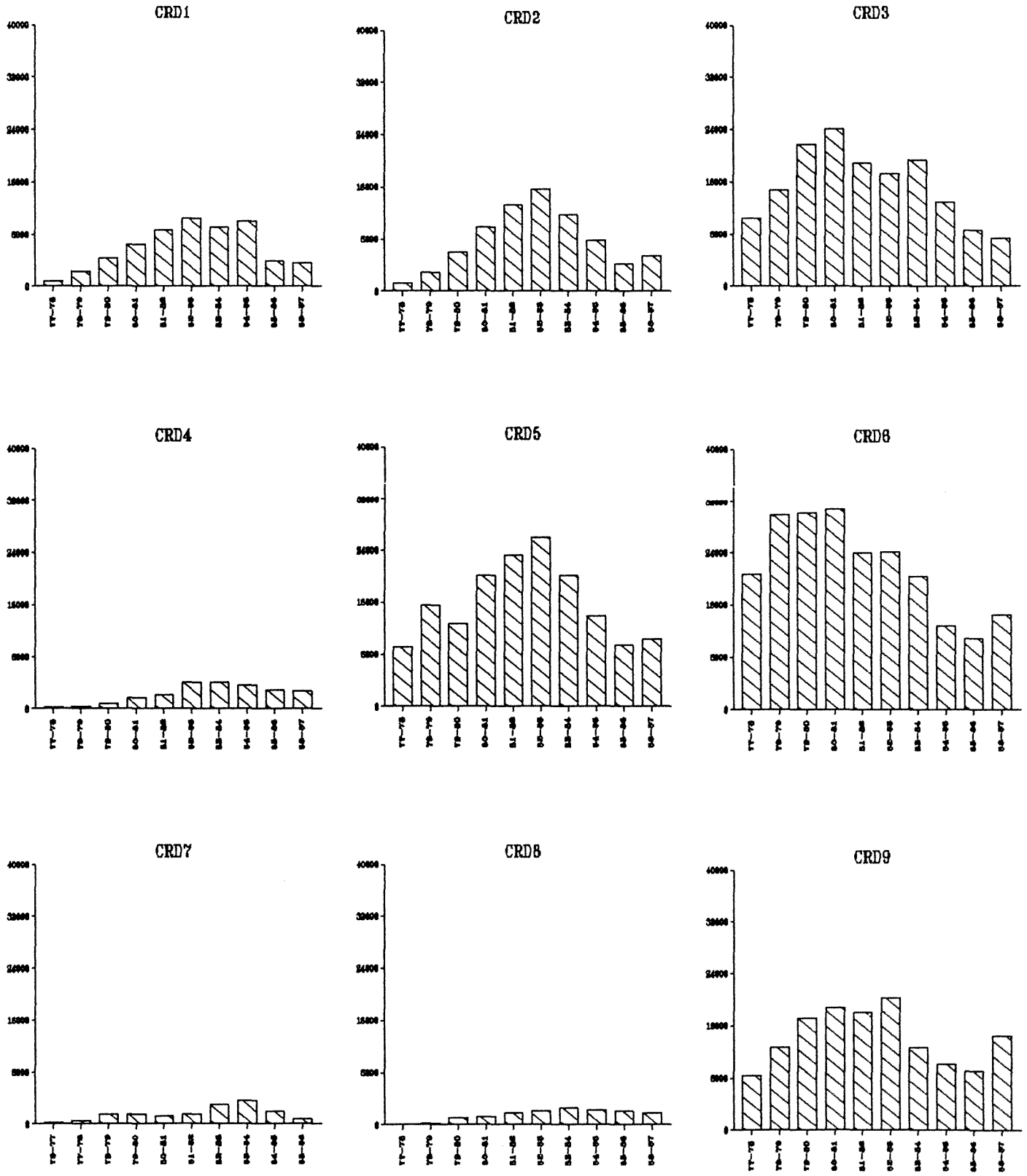

SUNFLOWER TO MISC
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
YEAR


ALL SUNFLOWER SHIPMENTS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
150000
120000
90000
60000
30000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

NORTH DAKOTA SUNFLOWER SEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
					(thousand bu.)					
1976-77	7	26	2,184	20	1,788	7,861	25	0	3,711	15,622
	(0%)	(0%)	(14%)	(0%)	(11%)	(50%)	(0%)	(0%)	(24%)	(100%)
1977-78	771	1,267	10,469	179	9,087	20,710	225	129	8,442	51,279
	(2%)	(2%)	(20%)	(0%)	(18%)	(40%)	(0%)	(0%)	(16%)	(100%)
1978-79	2,233	2,839	14,803	336	15,560	30,050	485	225	12,722	79,253
	(3%)	(4%)	(19%)	(0%)	(20%)	(38%)	(1%)	(0%)	(16%)	(100%)
1979-80	4,317	6,101	21,814	819	12,706	30,333	1,550	1,045	17,254	95,939
	(5%)	(6%)	(23%)	(1%)	(13%)	(32%)	(2%)	(1%)	(18%)	(100%)
1980-81	6,422	9,970	24,165	1,668	20,114	30,871	1,528	1,256	18,872	114,866
	(6%)	(9%)	(21%)	(1%)	(18%)	(27%)	(1%)	(1%)	(16%)	(100%)
1981-82	8,702	13,245	18,996	2,106	23,244	24,067	1,219	1,831	18,086	111,496
	(8%)	(12%)	(17%)	(2%)	(21%)	(22%)	(1%)	(2%)	(16%)	(100%)
1982-83	10,434	15,728	17,391	4,084	25,906	24,230	1,510	2,206	20,253	121,744
	(9%)	(13%)	(14%)	(3%)	(21%)	(20%)	(1%)	(2%)	(17%)	(100%)
1983-84	9,188	11,780	19,429	4,037	20,200	20,522	3,023	2,604	12,666	103,449
	(9%)	(11%)	(19%)	(4%)	(20%)	(20%)	(3%)	(3%)	(12%)	(100%)
1984-85	10,002	7,761	13,053	3,701	13,962	12,943	3,573	2,277	10,140	77,412
	(13%)	(10%)	(17%)	(5%)	(18%)	(17%)	(5%)	(3%)	(13%)	(100%)
1985-86	3,899	4,208	8,722	2,894	9,382	10,994	2,077	2,153	9,211	53,541
	(7%)	(8%)	(16%)	(5%)	(18%)	(21%)	(4%)	(4%)	(17%)	(100%)
1986-87	3,582	5,414	7,336	2,753	10,284	14,437	830	1,875	14,556	61,067
	(6%)	(9%)	(12%)	(5%)	(17%)	(24%)	(1%)	(3%)	(24%)	(100%)
3 Year Average	5,828	5,794	9,704	3,116	11,209	12,775	2,160	2,102	11,302	63,990
	(9%)	(9%)	(15%)	(5%)	(18%)	(20%)	(3%)	(3%)	(18%)	(100%)

SUNFLOWER SHIPMENTS BY CROP REPORTING DISTRICT
(thousand bushels)

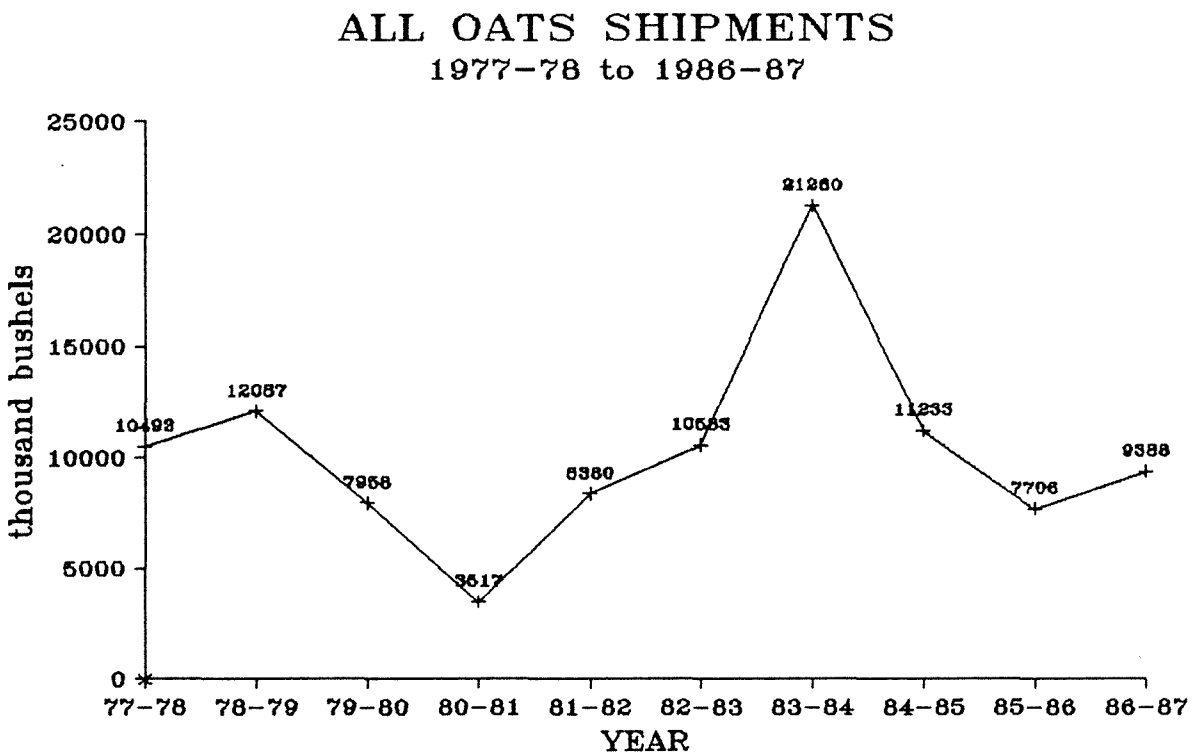


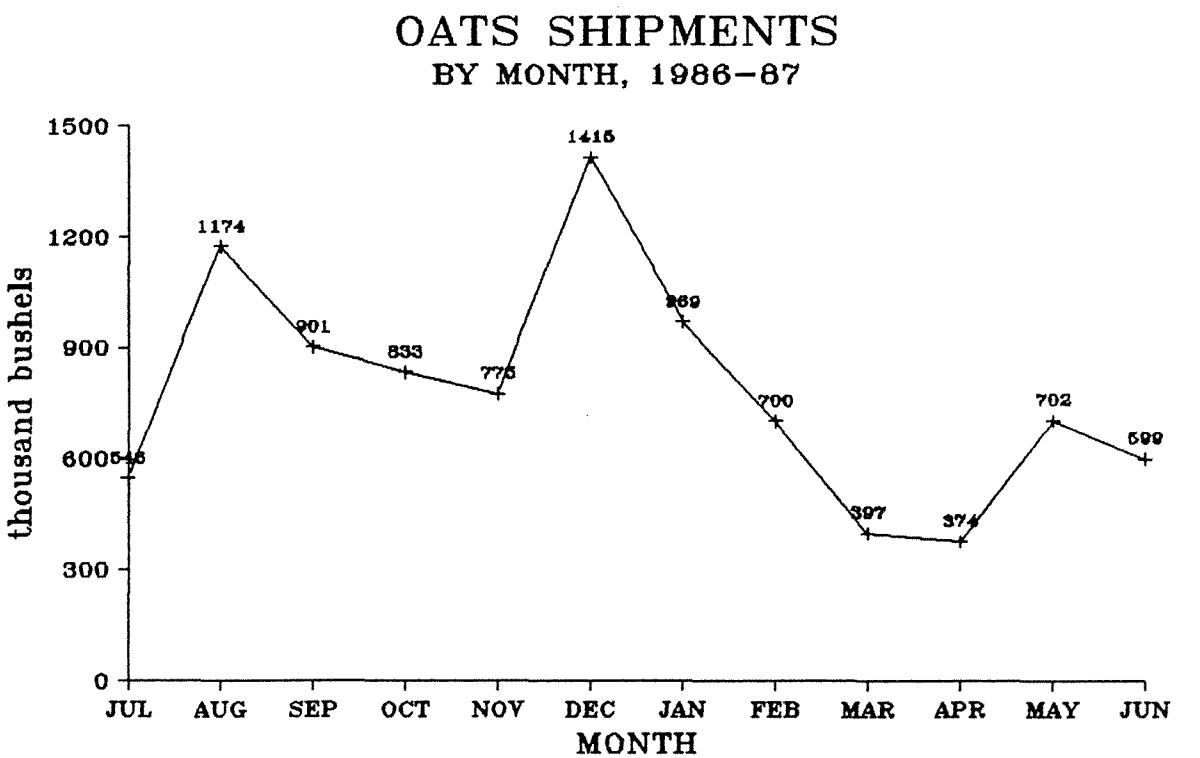
OATS

NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
		(thousand bu.)			
1976-77	6,769	1,932	1,427	2,031	12,159
	(56%)	(16%)	(12%)	(17%)	(100%)
1977-78	5,860	2,385	851	1,396	10,492
	(56%)	(23%)	(8%)	(13%)	(100%)
1978-79	6,969	2,078	1,200	1,839	12,086
	(58%)	(17%)	(10%)	(15%)	(100%)
1979-80	4,298	346	1,580	1,735	7,959
	(54%)	(4%)	(20%)	(22%)	(100%)
1980-81	1,269	299	936	1,011	3,515
	(36%)	(8%)	(27%)	(29%)	(100%)
1981-82	5,491	722	630	1,536	8,379
	(65%)	(9%)	(8%)	(18%)	(100%)
1982-83	7,045	410	675	2,453	10,583
	(67%)	(4%)	(6%)	(23%)	(100%)
1983-84	14,984	588	400	5,289	21,261
	(70%)	(3%)	(2%)	(25%)	(100%)
1984-85	6,467	166	437	4,163	11,233
	(58%)	(1%)	(4%)	(37%)	(100%)
1985-86	4,029	115	431	3,131	7,706
	(52%)	(1%)	(6%)	(41%)	(100%)
1986-87	4,690	74	193	4,430[a]	9,387
	(50%)	(1%)	(2%)	(47%)	(100%)
3 Year	5,062	118	354	3,908	9,442
Average	(54%)	(1%)	(4%)	(41%)	(100%)

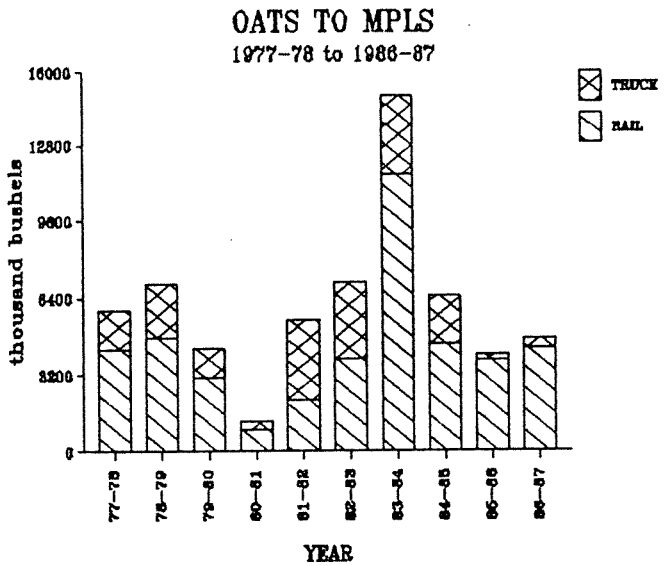
[a] Miscellaneous markets for oats include Midland/Southwest States (2,007,670 bushels or 21%), Other Minnesota/Wisconsin (1,463,392 bushels or 16%), North Dakota destinations (568,047 bushels or 6%), and all other miscellaneous destinations (391,126 bushels or 4%).

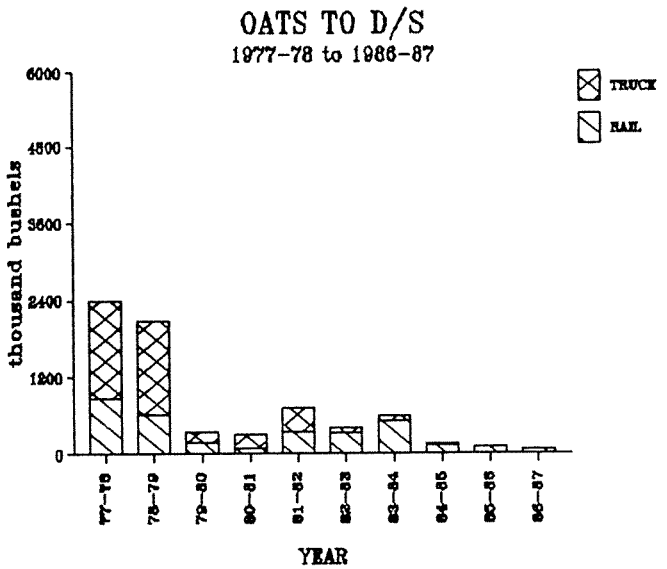

ALL OATS SHIPMENTS
1977-78 to 1986-87
thousand bushels
25000
20000
15000
10000
5000
0
10493
12087
7958
3517
8380
10583
21260
11233
7706
9388
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

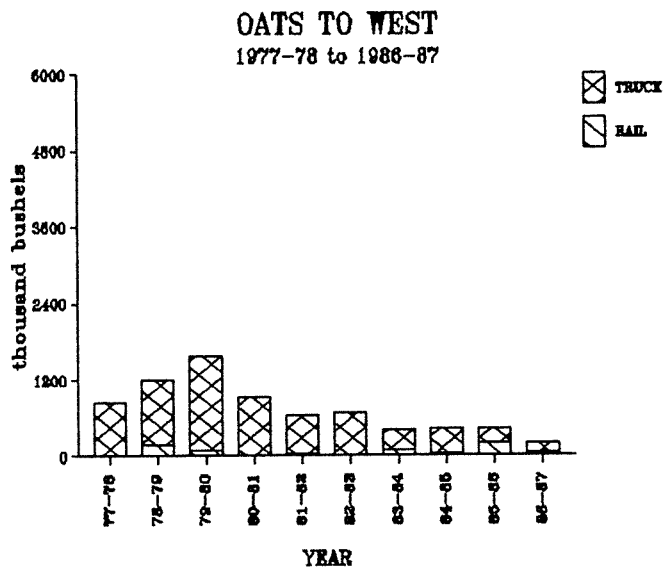

OATS SHIPMENTS
BY MONTH, 1986-87
thousand bushels
1500
1200
900
600
300
0
1174
901
833
775
1415
969
700
397
374
702
599
JUL
AUG
SEP
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
MONTH

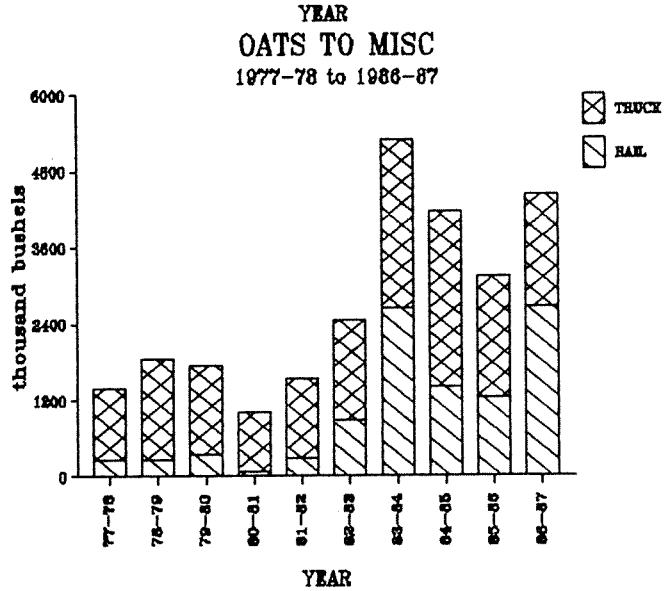
NORTH DAKOTA OATS SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

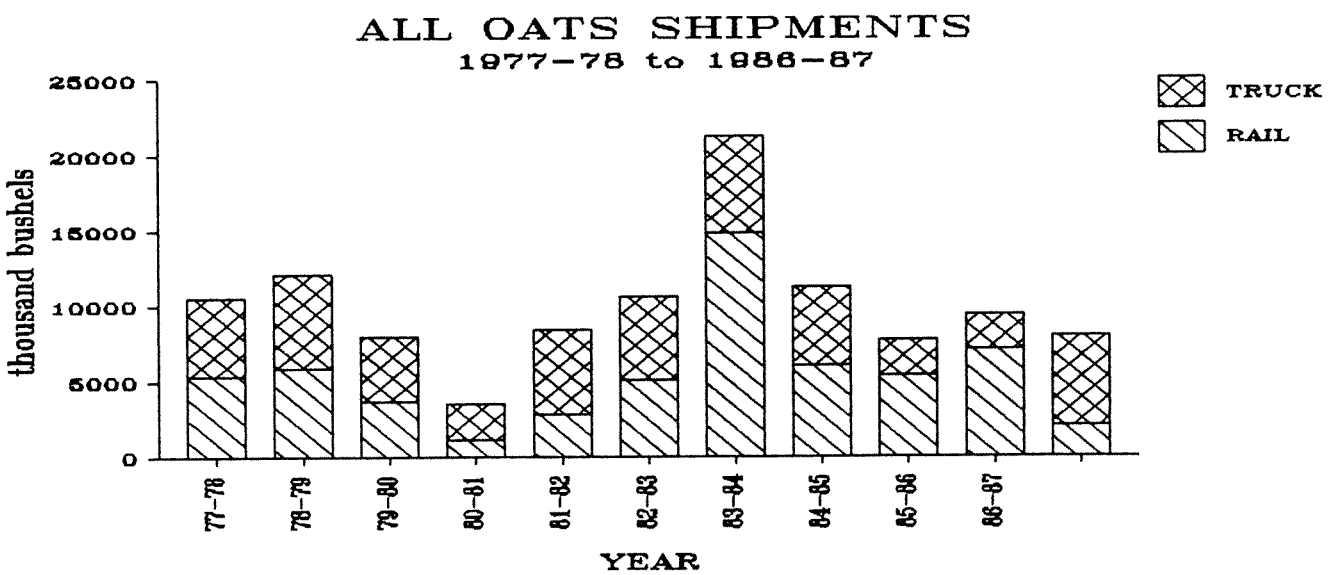
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
					(thousand bu.)					
1976-77	4,602	2,166	761	1,171	121	1,306	231	1,800	5,715	6,443
	(68%)	(32%)	(39%)	(61%)	(8%)	(92%)	(11%)	(89%)	(47%)	(53%)
1977-78	4,244	1,616	869	1,516	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	2,313
	(91%)	(9%)	(98%)	(2%)	(28%)	(72%)	(60%)	(40%)	(75%)	(25%)
3 Year Average	4,188	874	106	12	92	262	1,767	2,141	6,153	3,289
	(83%)	(17%)	(90%)	(10%)	(26%)	(74%)	(45%)	(55%)	(65%)	(35%)


OATS TO MPLS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
16000
12800
9600
6400
3200
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


OATS TO D/S
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
6000
4800
3600
2400
1200
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


OATS TO WEST
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
6000
4800
3600
2400
1200
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

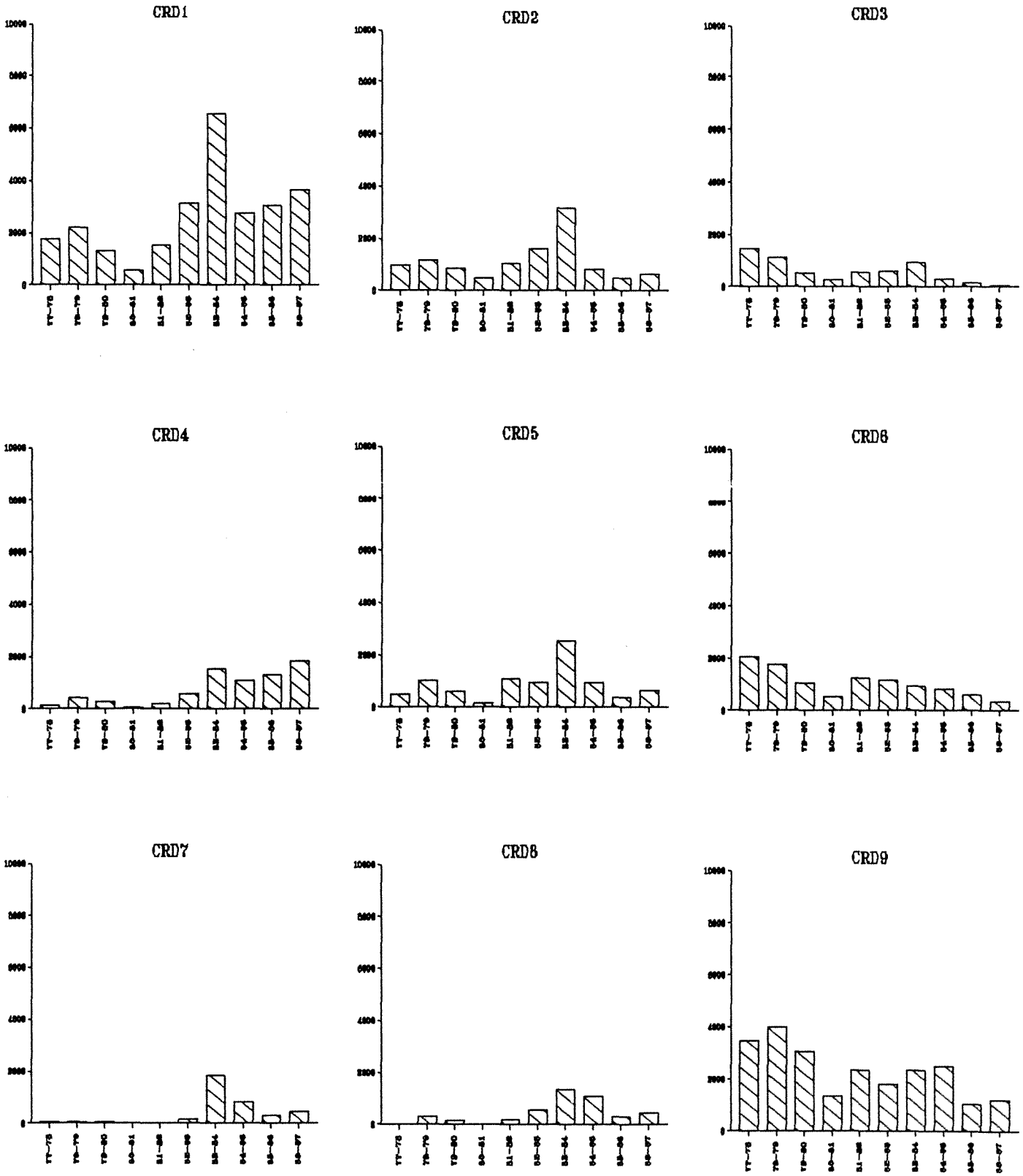

OATS TO MISC
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
6000
4800
3600
2400
1200
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL OATS SHIPMENTS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
25000
20000
15000
10000
5000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

NORTH DAKOTA OATS SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
					(thousand bu.)					
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	7,706
	(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%)
3 Year Average	3,180	658	183	1,416	667	592	555	525	1,595	9,443
	(34%)	(7%)	(2%)	(15%)	(7%)	(6%)	(6%)	(7%)	(17%)	(100%)

OATS SHIPMENTS BY CROP REPORTING DISTRICT
(thousand bushels)

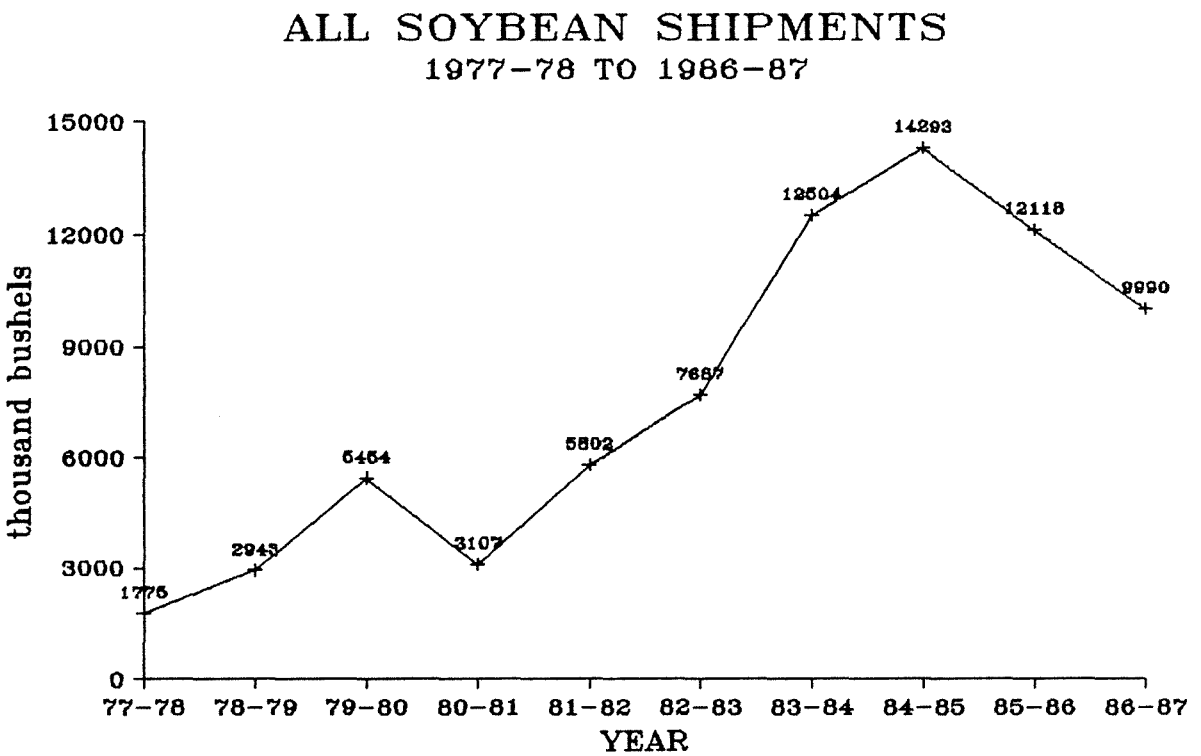


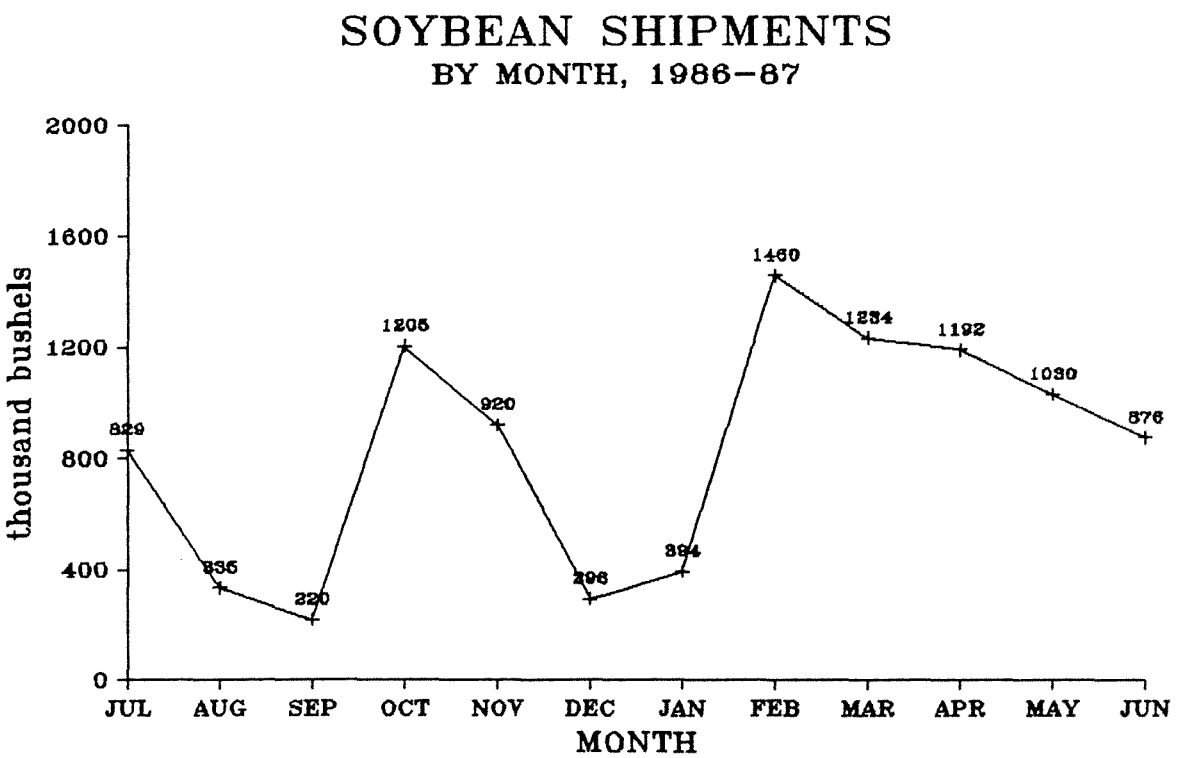
SOYBEANS

NORTH DAKOTA SOYBEAN SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
		(thousand bu.)			
1976-77	389	72	21	1,459	1,941
	(20%)	(4%)	(1%)	(75%)	(100%)
1977-78	367	311	29	1,068	1,776
	(21%)	(18%)	(2%)	(60%)	(100%)
1978-79	1,020	773	10	1,139	2,943
	(35%)	(26%)	(0%)	(39%)	(100%)
1979-80	3,469	674	20	1,289	5,452
	(64%)	(12%)	(0%)	(24%)	(100%)
1980-81	1,762	337	22	988	3,109
	(57%)	(11%)	(1%)	(32%)	(100%)
1981-82	3,758	310	317	1,416	5,801
	(65%)	(5%)	(5%)	(24%)	(100%)
1982-83	5,639	185	952	910	7,687
	(73%)	(2%)	(12%)	(12%)	(100%)
1983-84	7,625	1,430	2,418	1,030	12,504
	(61%)	(11%)	(19%)	(8%)	(100%)
1984-85	4,361	491	6,825	2,615	14,292
	(31%)	(3%)	(48%)	(18%)	(100%)
1985-86	5,739	184	3,631	2,563	12,116
	(47%)	(2%)	(30%)	(21%)	(100%)
1986-87	4,933	166	2,144	2,747[a]	9,990
	(49%)	(2%)	(21%)	(27%)	(100%)
3 Year Average	5,011	280	4,200	2,642	12,134
	(41%)	(2%)	(35%)	(22%)	(100%)

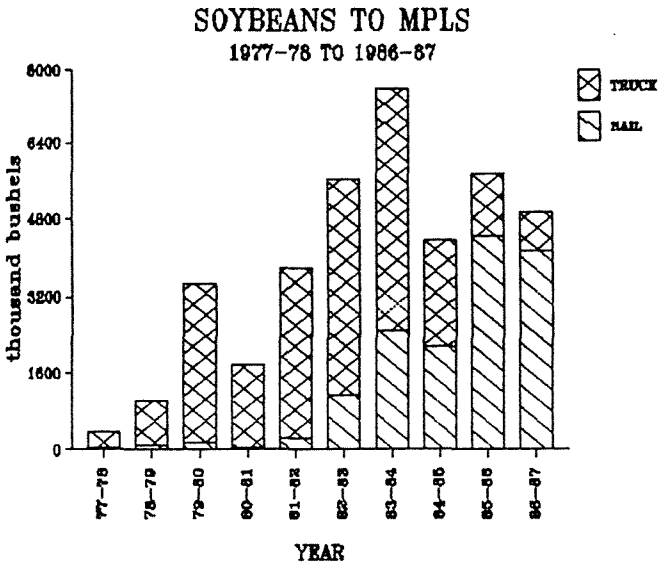
[a] Miscellaneous markets for soybeans include North Dakota destinations (520,171 bushels or 5%), Midland/Southwest States (509,435 bushels or 5%), Other Minnesota/Wisconsin (505,126 bushels or 5%), and all other miscellaneous destinations (1,212,150 bushels or 12%).

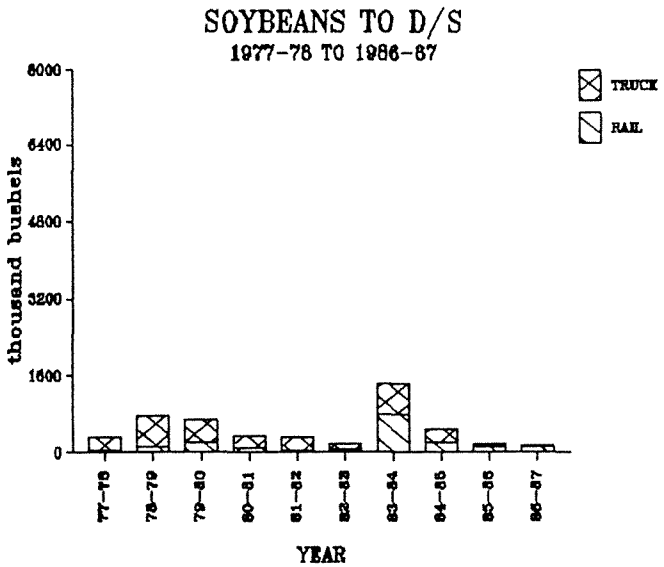

ALL SOYBEAN SHIPMENTS
1977-78 TO 1986-87
thousand bushels
15000
12000
9000
6000
3000
0
1775
2945
5454
3107
5802
7667
12504
14293
12118
9990
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

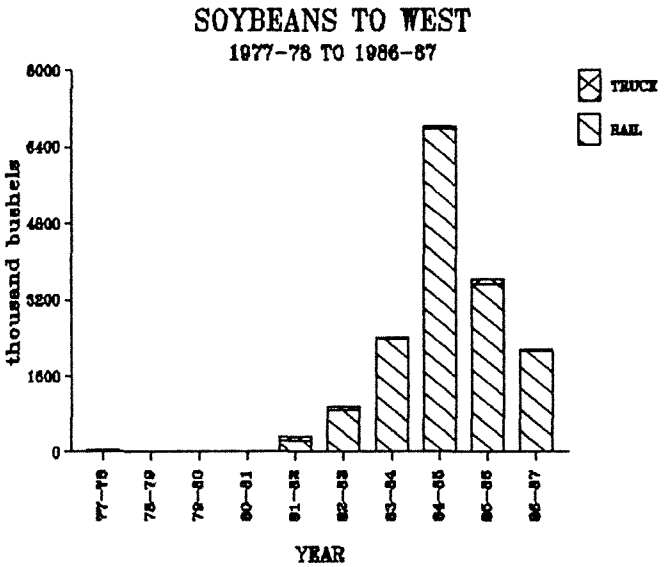

SOYBEAN SHIPMENTS
BY MONTH, 1986-87
thousand bushels
2000
1600
1200
800
400
0
829
335
220
1205
920
296
394
1460
1234
1192
1030
876
JUL
AUG
SEP
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
MONTH

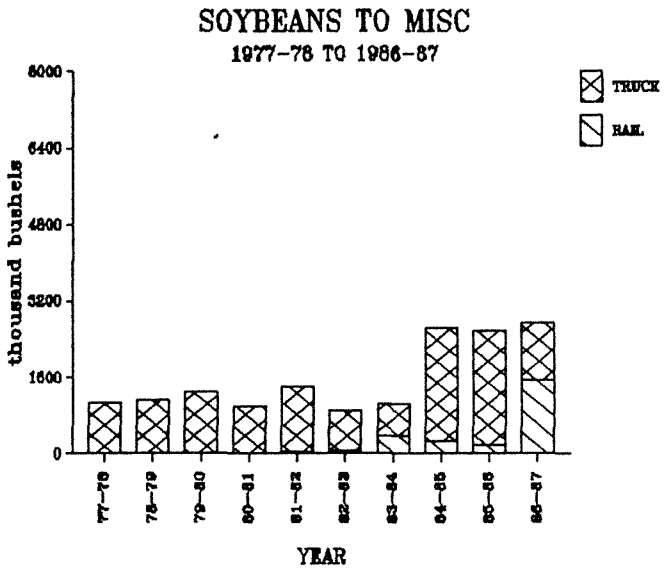
NORTH DAKOTA SOYBEAN SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

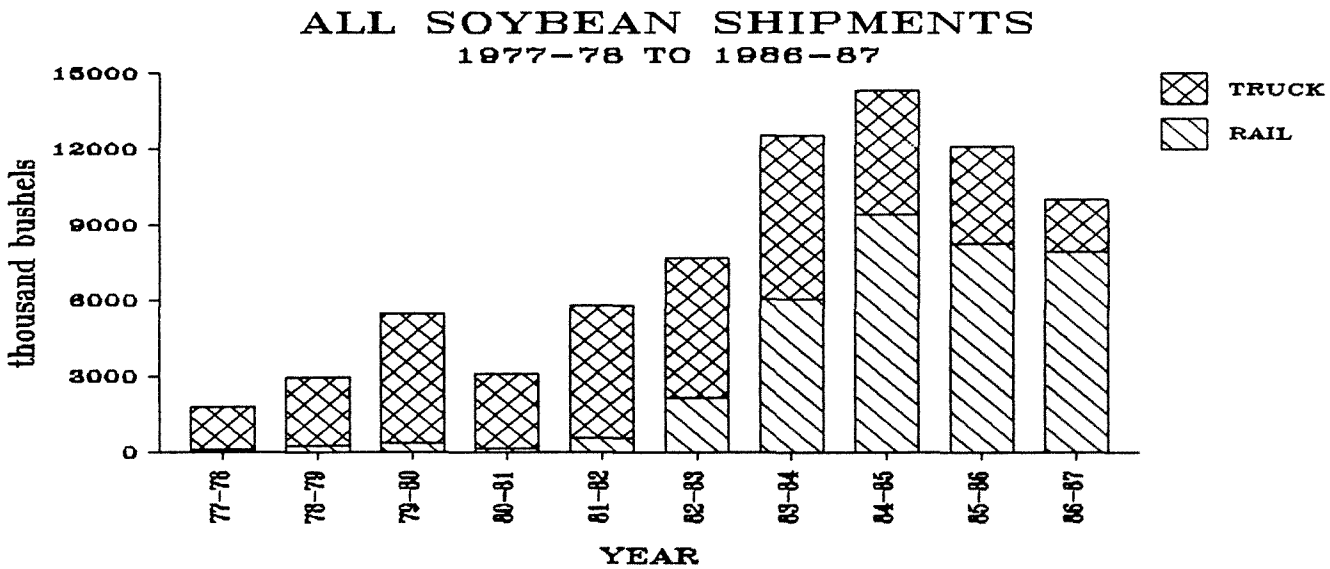
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
					(thousand bu.)					
1976-77	15	373	59	12	1	20	22	1,438	97	1,844
	(4%)	(96%)	(83%)	(17%)	(4%)	(96%)	(1%)	(99%)	(5%)	(95%)
1977-78	28	339	35	276	3	26	10	1,058	77	1,699
	(8%)	(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%)
3 Year Average	3,578	1,434	149	131	4,151	50	654	1,988	8,531	3,602
	(71%)	(29%)	(53%)	(47%)	(99%)	(1%)	(25%)	(75%)	(70%)	(30%)


SOYBEANS TO MPLS
1977-78 TO 1986-87
TRUCK
RAIL
thousand bushels
0
1600
3200
4800
6400
8000
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


SOYBEANS TO D/S
1977-78 TO 1986-87
TRUCK
RAIL
thousand bushels
0
1600
3200
4800
6400
8000
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


SOYBEANS TO WEST
1977-78 TO 1986-87
TRUCK
RAIL
thousand bushels
0
1600
3200
4800
6400
8000
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

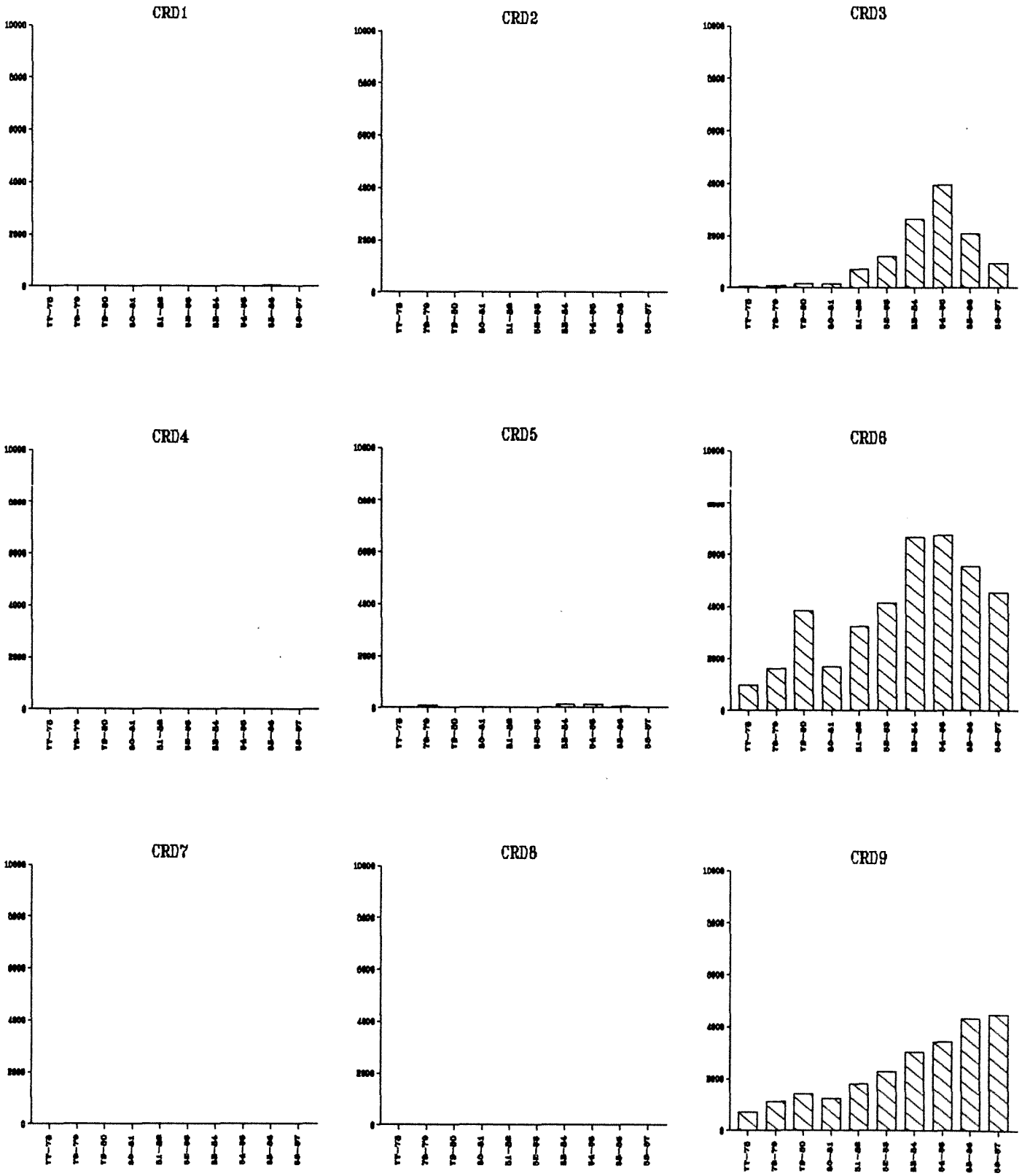

SOYBEANS TO MISC
1977-78 TO 1986-87
TRUCK
RAIL
thousand bushels
0
1600
3200
4800
6400
8000
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL SOYBEAN SHIPMENTS
1977-78 TO 1986-87
TRUCK
RAIL
thousand bushels
0
3000
6000
9000
12000
15000
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

NORTH DAKOTA SOYBEAN SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
					(thousand bu.)					
1976-77	0	0	9	0	1	1,093	0	0	838	1,941
	(0%)	(0%)	(1%)	(0%)	(0%)	(56%)	(0%)	(0%)	(43%)	(100%)
1977-78	0	0	39	4	0	997	0	0	736	1,776
	(0%)	(0%)	(2%)	(0%)	(0%)	(36%)	(0%)	(0%)	(41%)	(100%)
1978-79	3	0	89	3	94	1,608	0	0	1,145	2,943
	(0%)	(0%)	(3%)	(0%)	(3%)	(55%)	(0%)	(0%)	(39%)	(100%)
1979-80	11	0	155	0	8	3,845	0	0	1,434	5,452
	(0%)	(0%)	(3%)	(0%)	(0%)	(71%)	(0%)	(0%)	(26%)	(100%)
1980-81	2	0	182	0	1	1,678	0	0	1,246	3,109
	(0%)	(0%)	(6%)	(0%)	(0%)	(54%)	(0%)	(0%)	(40%)	(100%)
1981-82	0	2	722	0	37	3,250	0	0	1,790	5,801
	(0%)	(0%)	(12%)	(0%)	(1%)	(56%)	(0%)	(0%)	(31%)	(100%)
1982-83	0	3	1,206	0	36	4,164	2	0	2,277	7,687
	(0%)	(0%)	(16%)	(0%)	(1%)	(54%)	(0%)	(0%)	(30%)	(100%)
1983-84	2	20	2,665	2	112	6,683	4	0	3,016	12,504
	(0%)	(0%)	(21%)	(0%)	(1%)	(53%)	(0%)	(0%)	(24%)	(100%)
1984-85	2	2	3,954	5	145	6,736	18	7	3,424	14,292
	(0%)	(0%)	(28%)	(0%)	(1%)	(47%)	(0%)	(0%)	(24%)	(100%)
1985-86	43	4	2,114	15	44	5,575	0	5	4,317	12,116
	(0%)	(0%)	(17%)	(0%)	(0%)	(46%)	(0%)	(0%)	(36%)	(100%)
1986-87	0	9	958	0	11	4,540	0	3	4,469	9,990
	(0%)	(0%)	(10%)	(0%)	(0%)	(45%)	(0%)	(0%)	(45%)	(100%)
3 Year	15	5	2,342	7	67	5,617	6	5	4,070	12,133
Average	(0%)	(0%)	(19%)	(0%)	(1%)	(46%)	(0%)	(0%)	(34%)	(100%)

SOYBEANS SHIPMENTS BY CROP REPORTING DISTRICT
(thousand bushels)

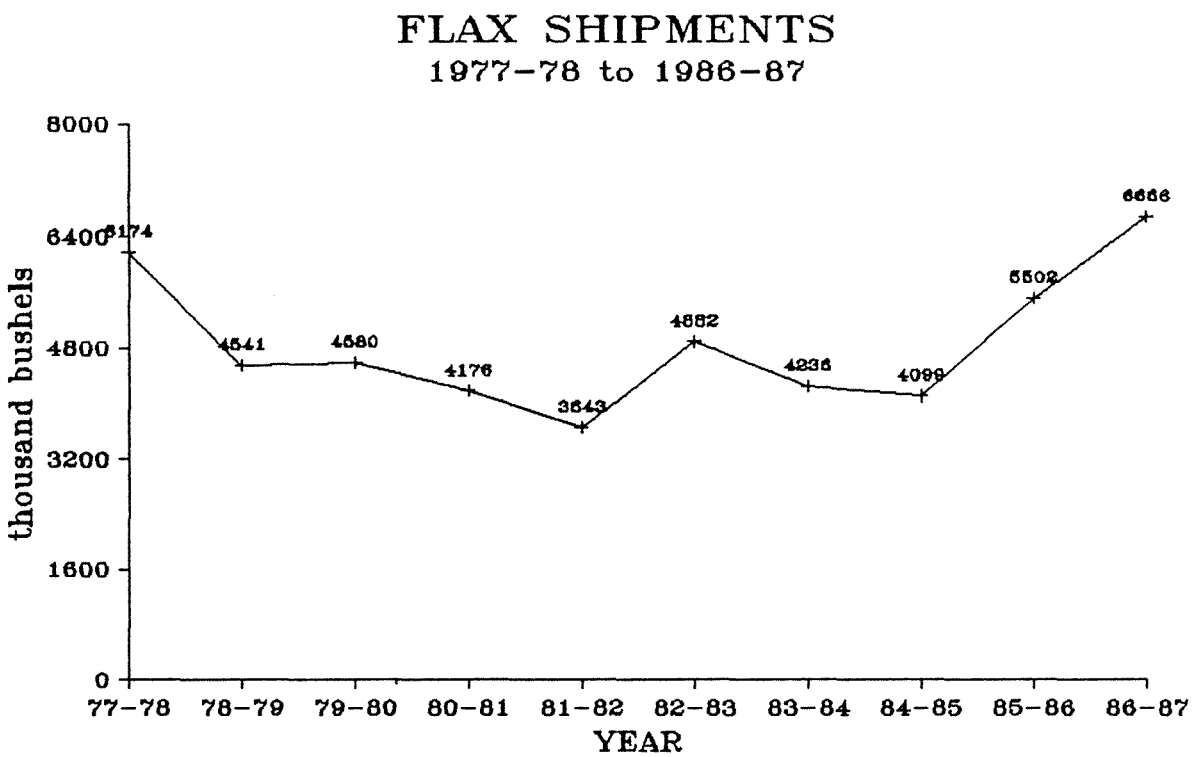


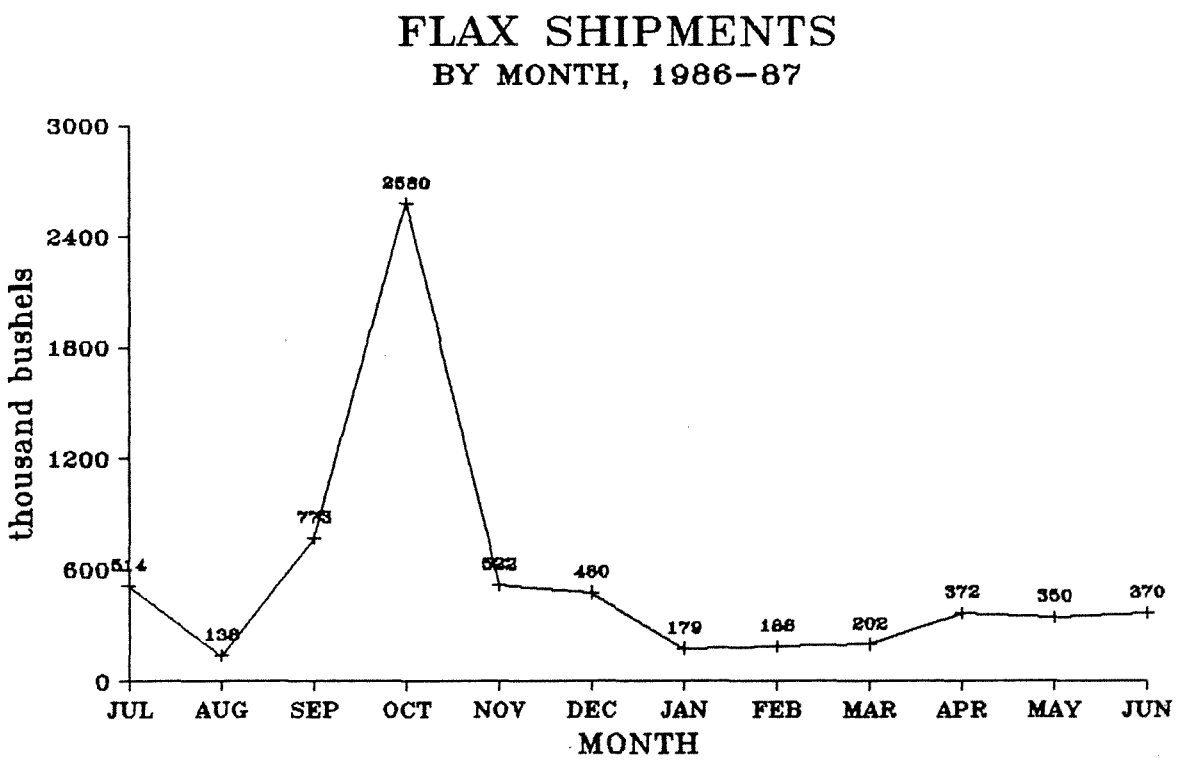
FLAXSEED

NORTH DAKOTA FLAXSEED SHIPMENTS BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
		(thousand bu.)			
1976-77	4,260	284	59	279	4,882
	(87%)	(6%)	(1%)	(6%)	(100%)
1977-78	4,941	748	72	413	6,174
	(80%)	(12%)	(1%)	(7%)	(100%)
1978-79	4,054	153	21	313	4,541
	(89%)	(3%)	(1%)	(7%)	(100%)
1979-80	4,114	195	10	263	4,582
	(90%)	(4%)	(1%)	(6%)	(100%)
1980-81	3,874	89	14	199	4,176
	(98%)	(2%)	(1%)	(5%)	(100%)
1981-82	3,207	118	4	314	3,644
	(88%)	(3%)	(0%)	(8%)	(100%)
1982-83	1,820	497	8	2,558	4,883
	(37%)	(10%)	(0%)	(52%)	(100%)
1983-84	1,598	85	52	2,501	4,235
	(38%)	(2%)	(1%)	(59%)	(100%)
1984-85	1,555	166	121	2,256	4,098
	(38%)	(4%)	(3%)	(55%)	(100%)
1985-86	2,171	30	6	3,296	5,503
	(39%)	(0%)	(0%)	(60%)	(100%)
1986-87	1,055	381	19	5,211[a]	6,666
	(16%)	(6%)	(0%)	(78%)	(100%)
3 Year Average	1,594	192	49	3,588	5,422
	(29%)	(4%)	(1%)	(66%)	(100%)

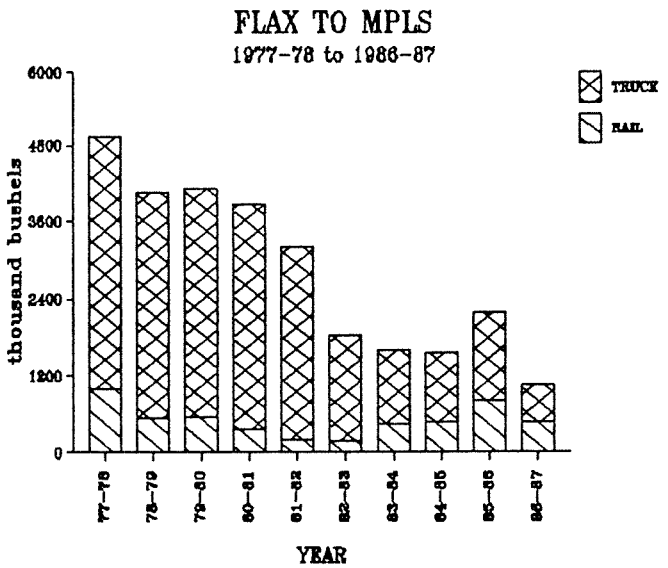
[a] Miscellaneous markets for flaxseed include North Dakota destinations (2,495,322 bushels or 37%), Other Minnesota/Wisconsin (1,828,729 bushels or 27%), Midland/Southwest States (472,302 bushels or 7%), and all other miscellaneous destinations (414,919 bushels or 7%).

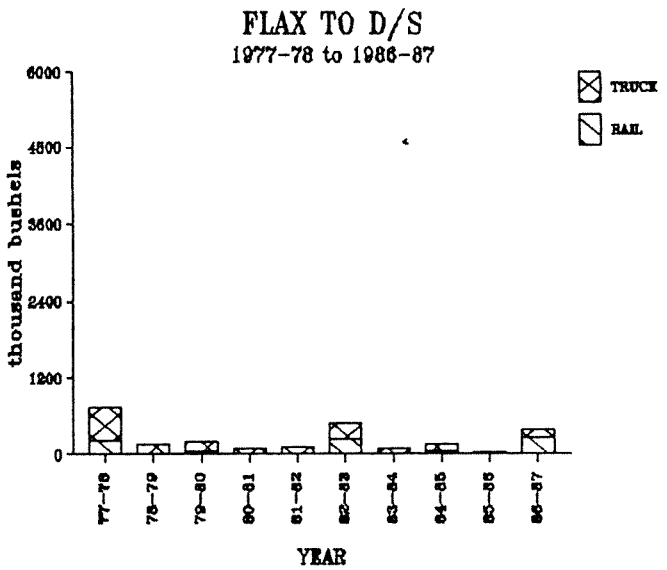

FLAX SHIPMENTS
1977-78 to 1986-87
8000
6400
4800
3200
1600
0
thousand bushels
6174
4541
4580
4176
3643
4882
4236
4099
5502
6666
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

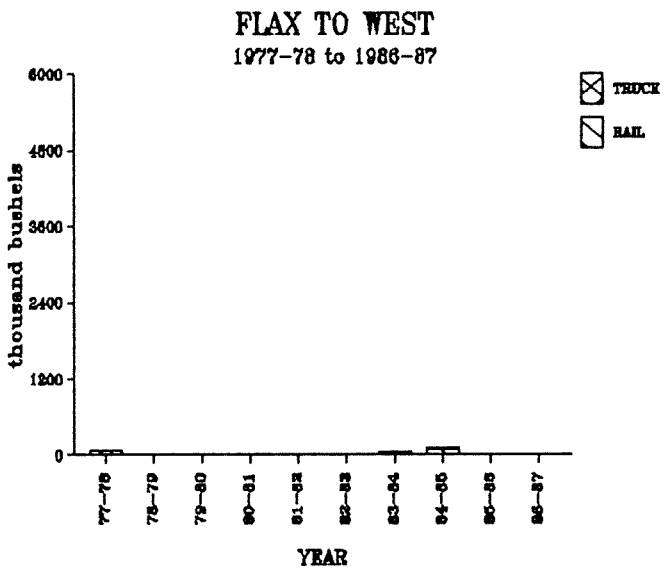

FLAX SHIPMENTS
BY MONTH, 1986-87
3000
2400
1800
1200
600
0
thousand bushels
514
138
773
2580
522
480
179
188
202
372
350
370
JUL
AUG
SEP
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
MONTH

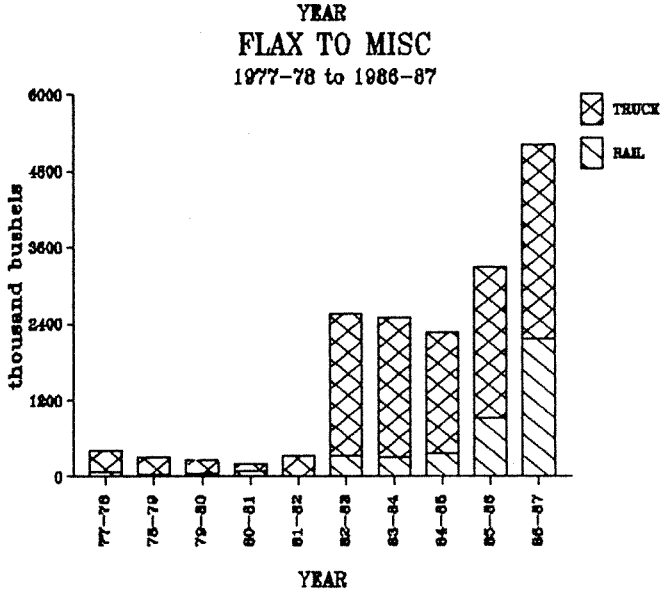
NORTH DAKOTA FLAXSEED SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

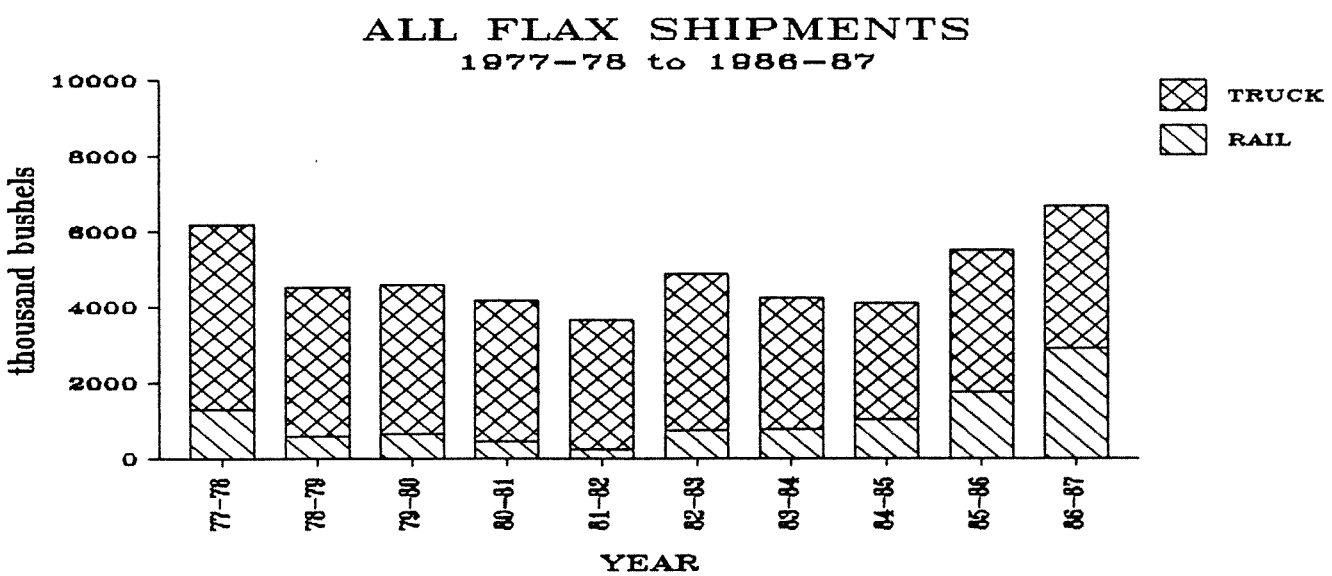
YEAR	MINNEAPOLIS-ST. PAUL Rail	MINNEAPOLIS-ST. PAUL Truck	DULUTH-SUPERIOR Rail	DULUTH-SUPERIOR Truck	WEST Rail	WEST Truck	MISC. MARKETS Rail	MISC. MARKETS Truck	TOTAL Rail	TOTAL Truck
					(thousand bu.)					
1976-77	1,046	3,214	102	183	0	59	206	74	1,354	3,530
	(25%)	(75%)	(36%)	(64%)	(0%)	(100%)	(74%)	(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%)	(92%)
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%)
3 Year Average	590	1,003	106	86	32	17	1,158	2,430	1,886	3,536
	(37%)	(63%)	(55%)	(45%)	(65%)	(35%)	(32%)	(68%)	(35%)	(65%)


FLAX TO MPLS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
6000
4800
3600
2400
1200
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


FLAX TO D/S
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
6000
4800
3600
2400
1200
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


FLAX TO WEST
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
6000
4800
3600
2400
1200
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

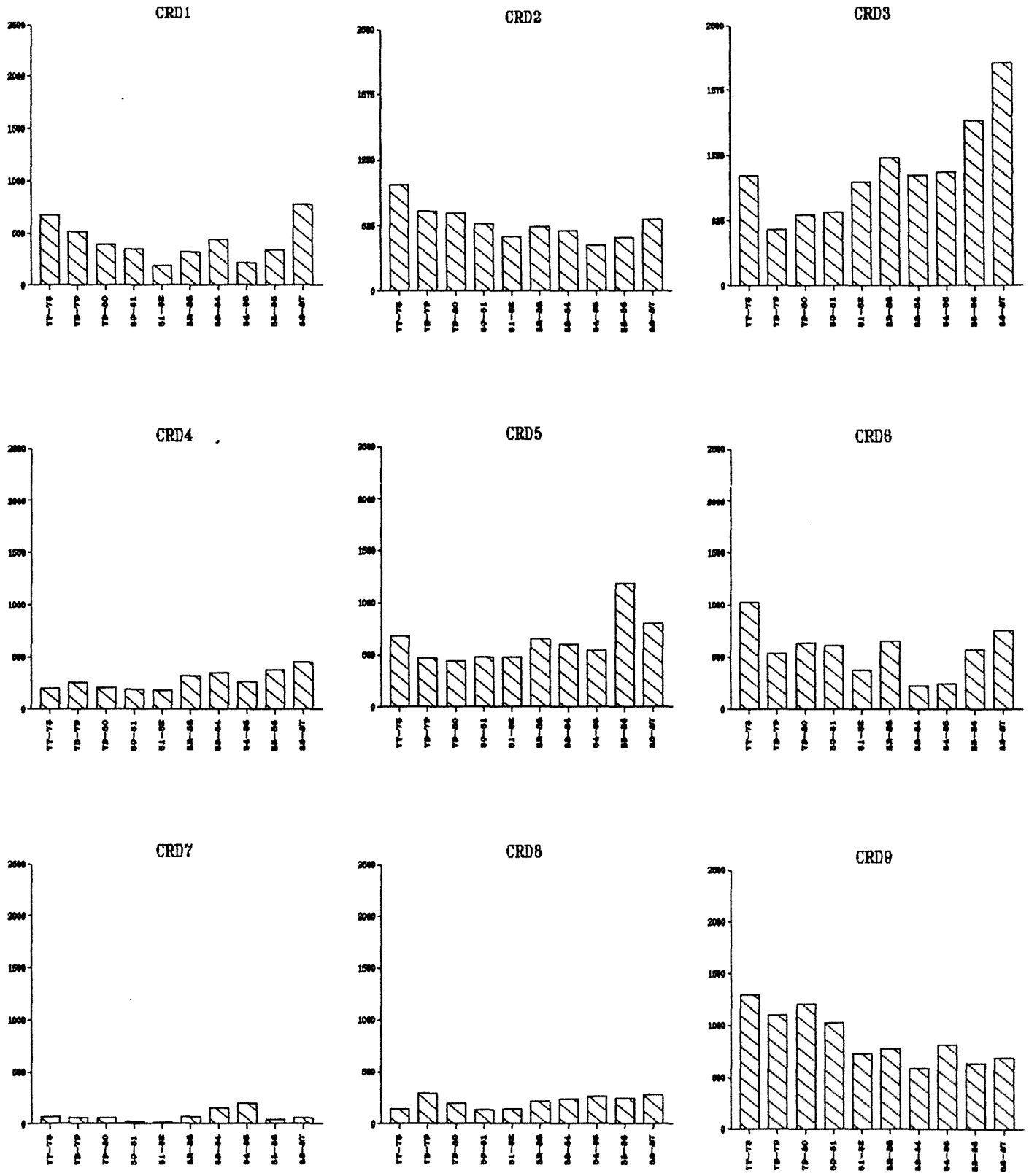

FLAX TO MISC
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
6000
4800
3600
2400
1200
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL FLAX SHIPMENTS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
10000
8000
6000
4000
2000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

NORTH DAKOTA FLAXSEED SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
	(thousand bu.)									
1976-77	450	794	656	307	829	491	98	323	935	4,883
	(9%)	(16%)	(13%)	(6%)	(17%)	(10%)	(2%)	(7%)	(19%)	(100%)
1977-78	678	1,022	1,054	203	679	1,024	74	145	1,295	6,174
	(11%)	(17%)	(17%)	(3%)	(11%)	(17%)	(1%)	(2%)	(21%)	(100%)
1978-79	515	765	547	254	474	533	57	295	1,102	4,542
	(11%)	(17%)	(12%)	(6%)	(10%)	(12%)	(1%)	(6%)	(24%)	(100%)
1979-80	398	752	682	207	438	641	59	203	1,202	4,582
	(9%)	(16%)	(15%)	(5%)	(10%)	(14%)	(1%)	(4%)	(26%)	(100%)
1980-81	348	648	707	194	481	609	22	138	1,029	4,176
	(8%)	(16%)	(17%)	(4%)	(12%)	(15%)	(1%)	(3%)	(25%)	(100%)
1981-82	195	530	996	178	475	377	14	147	731	3,644
	(5%)	(15%)	(27%)	(5%)	(13%)	(10%)	(0%)	(4%)	(20%)	(100%)
1982-83	319	617	1,235	323	654	655	67	223	780	4,883
	(7%)	(13%)	(25%)	(7%)	(13%)	(13%)	(1%)	(5%)	(16%)	(100%)
1983-84	441	579	1,062	349	602	227	149	239	587	4,235
	(10%)	(14%)	(25%)	(8%)	(14%)	(5%)	(4%)	(6%)	(14%)	(100%)
1984-85	217	443	1,097	266	541	249	204	265	816	4,098
	(5%)	(11%)	(27%)	(6%)	(13%)	(6%)	(5%)	(6%)	(20%)	(100%)
1985-86	336	518	1,587	373	1,188	573	45	247	635	5,503
	(6%)	(9%)	(29%)	(7%)	(22%)	(10%)	(1%)	(4%)	(12%)	(100%)
1986-87	780	697	2,132	454	803	759	62	282	697	6,666
	(12%)	(10%)	(32%)	(7%)	(12%)	(11%)	(1%)	(4%)	(11%)	(100%)
3 Year	444	553	1,605	364	844	527	104	265	716	5,422
Average	(8%)	(10%)	(30%)	(7%)	(6%)	(10%)	(2%)	(5%)	(13%)	(100%)

FLAXSEED SHIPMENTS BY CROP REPORTING DISTRICT
(thousand bushels)



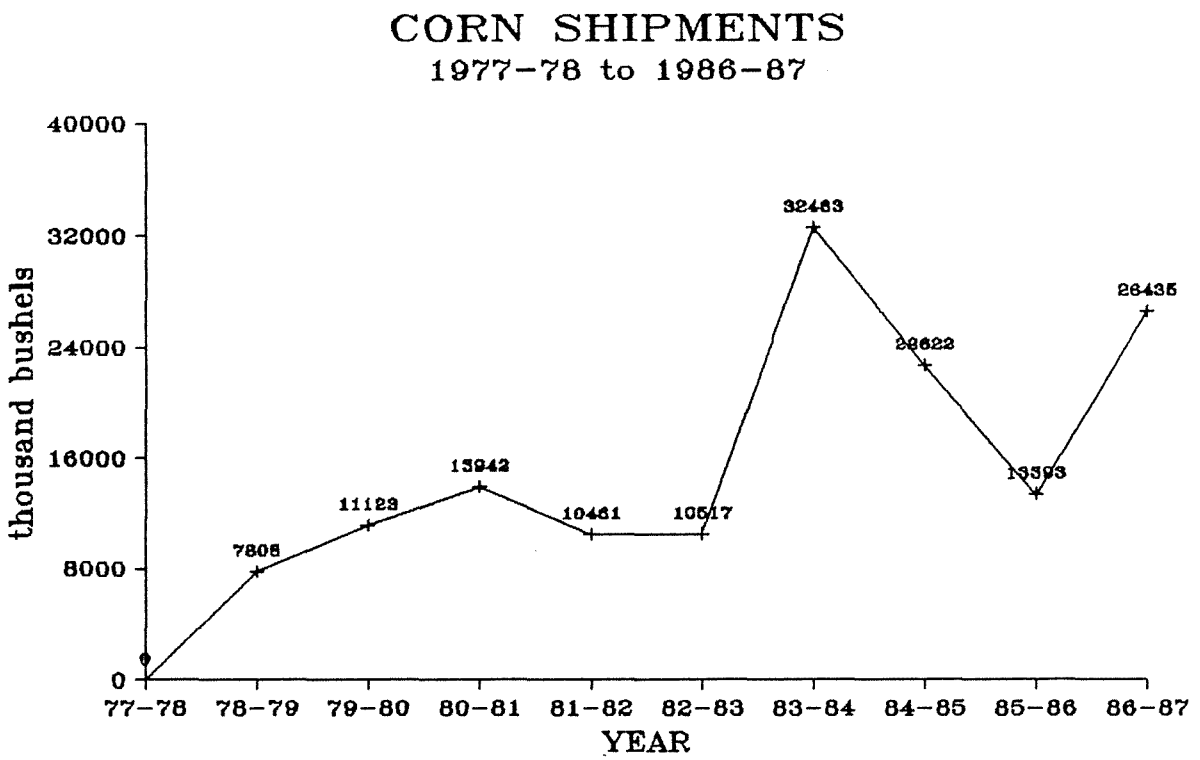
CORN

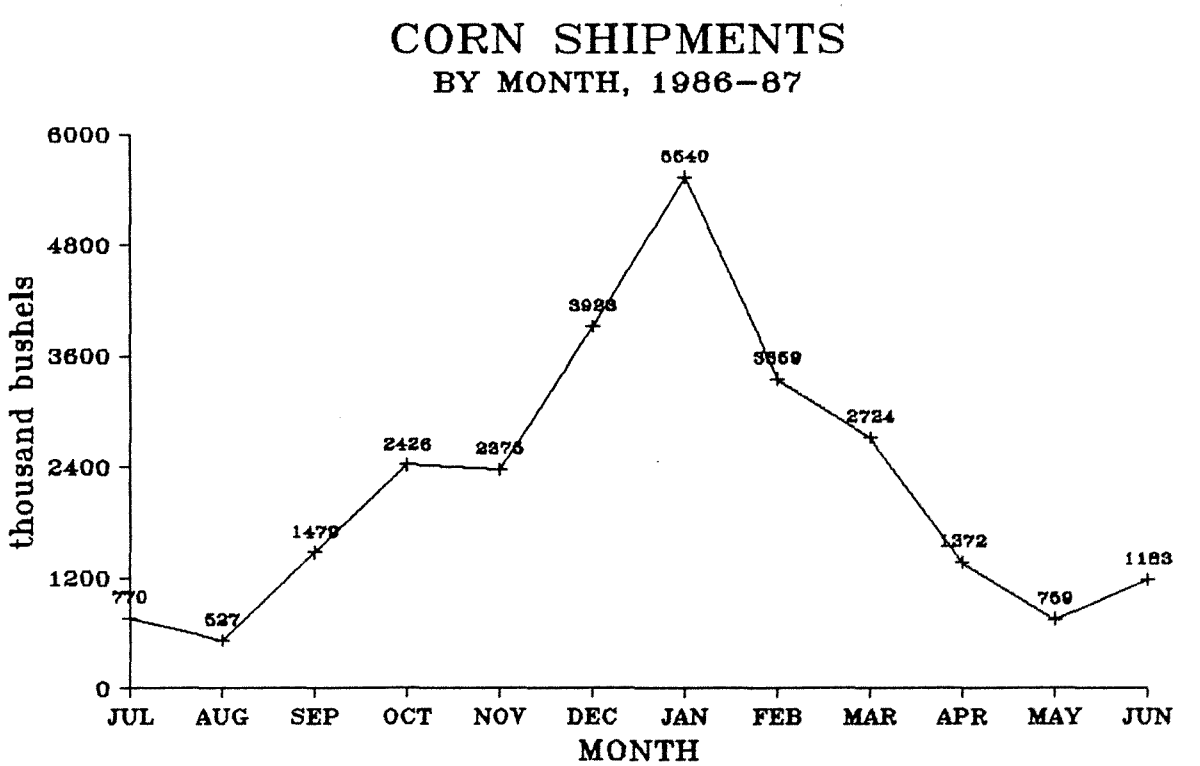
NORTH DAKOTA CORN SHIPMENTS
BY DESTINATION

YEAR	MINNEAPOLIS-ST. PAUL	DULUTH-SUPERIOR	WEST	MISC. MARKETS	TOTAL
		(thousand bu.)			
1977-78[a]	0	0	0	0	0
1978-79	157	262	6,373	1,019	7,808
	(2%)	(3%)	(82%)	(13%)	(100%)
1979-80	265	270	9,802	786	11,123
	(2%)	(2%)	(88%)	(7%)	(100%)
1980-81	406	154	11,409	2,013	13,942
	(3%)	(1%)	(82%)	(14%)	(100%)
1981-82	514	243	7,247	2,457	10,460
	(5%)	(2%)	(69%)	(23%)	(100%)
1982-83	296	350	5,474	4,397	10,518
	(3%)	(3%)	(52%)	(42%)	(100%)
1983-84	2,735	4,175	20,323	5,229	32,463
	(8%)	(13%)	(63%)	(16%)	(100%)
1984-85	1,189	2,859	13,659	4,916	22,623
	(5%)	(13%)	(60%)	(22%)	(100%)
1985-86	1,254	68	6,488	5,584	13,394
	(9%)	(1%)	(48%)	(42%)	(100%)
1986-87	359	59	18,952	7,067[b]	26,437
	(1%)	(0%)	(72%)	(27%)	(100%)
3 Year Average	934	995	13,033	5,855	20,817
	(4%)	(5%)	(63%)	(28%)	(100%)

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

[b] Miscellaneous markets for corn include Midland/Southwest States (1,780,997 bushels or 7%), North Dakota destinations (1,003,243 bushels or 4%), Other Minnesota/Wisconsin (490,521 bushels or 2%), and all other miscellaneous destinations (3,792,359 bushels or 14%).

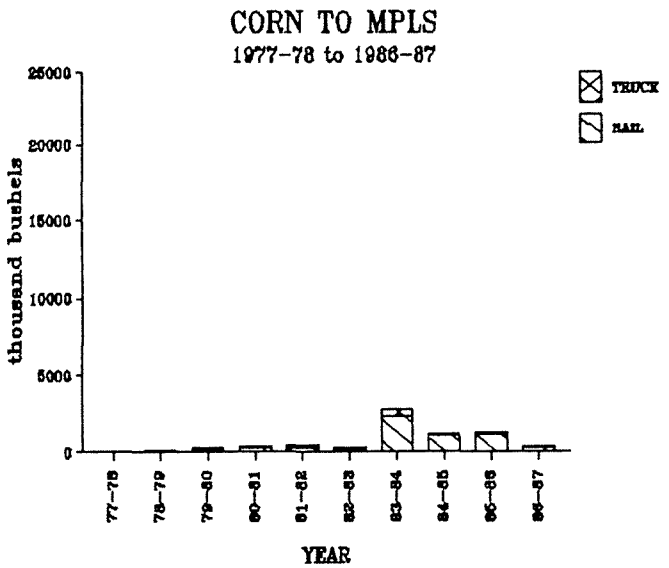

CORN SHIPMENTS
1977-78 to 1986-87
thousand bushels
40000
32000
24000
16000
8000
0
0
7808
11123
13942
10461
10517
32463
28622
13393
26435
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

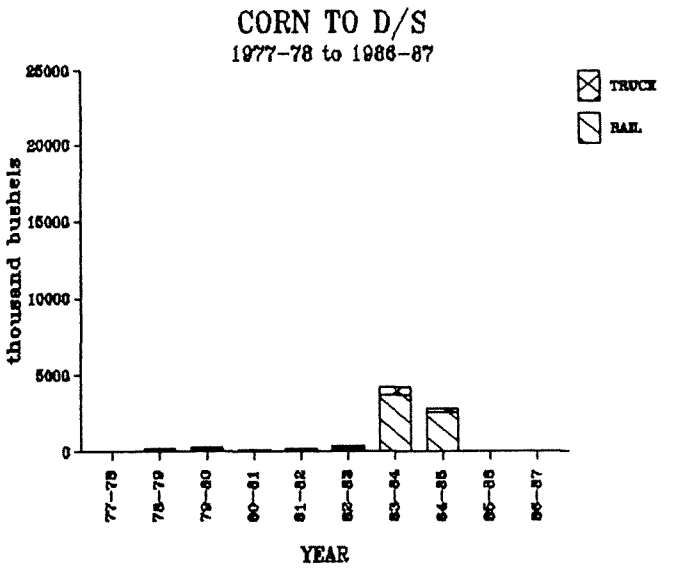

CORN SHIPMENTS
BY MONTH, 1986-87
thousand bushels
6000
4800
3600
2400
1200
0
770
527
1479
2426
2375
3928
5540
3359
2724
1372
759
1183
JUL
AUG
SEP
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
MONTH

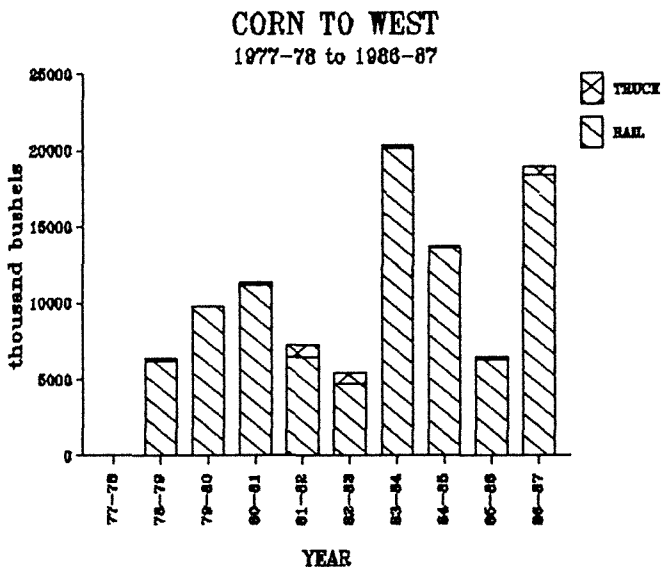
NORTH DAKOTA CORN SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

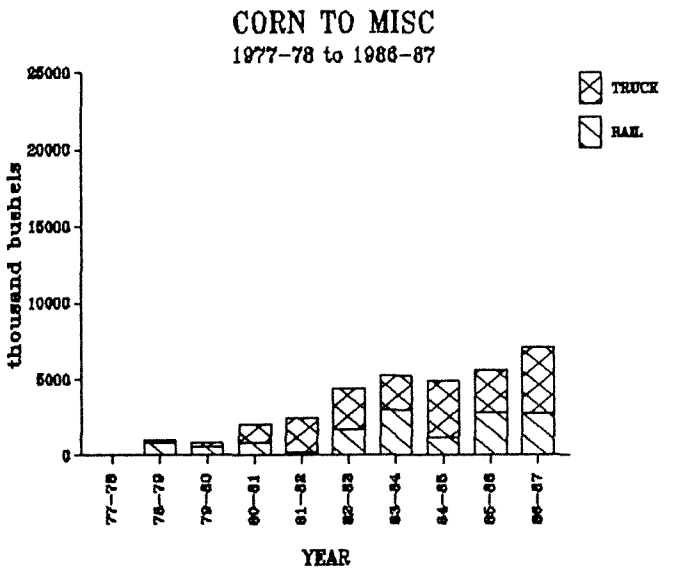
YEAR	MINNEAPOLIS-ST. PAUL		DULUTH-SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
					(thousand bu.)					
1977-78[a]	0	0	0	0	0	0	0	0	0	0
1978-79	132	25	117	142	6,233	140	785	234	7,267	541
	(84%)	(16%)	(45%)	(55%)	(98%)	(2%)	(77%)	(23%)	(93%)	(7%)
1979-80	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%)
3 Year Average	834	91	893	102	12,778	254	2,225	3,631	16,739	4,078
	(90%)	(10%)	(90%)	(10%)	(98%)	(2%)	(38%)	(62%)	(80%)	(20%)

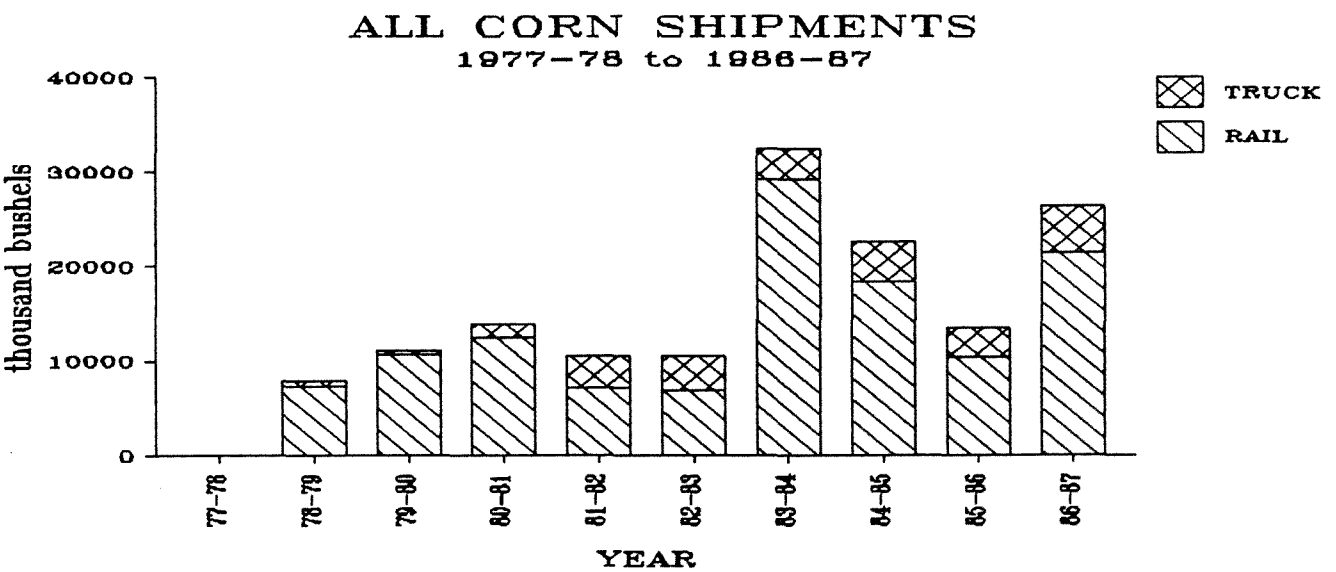
[a]Prior to 1978-79, corn movements were reported as "miscellaneous".


CORN TO MPLS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
25000
20000
15000
10000
5000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


CORN TO D/S
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
25000
20000
15000
10000
5000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

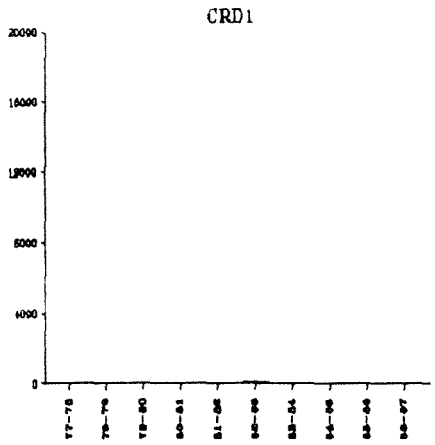
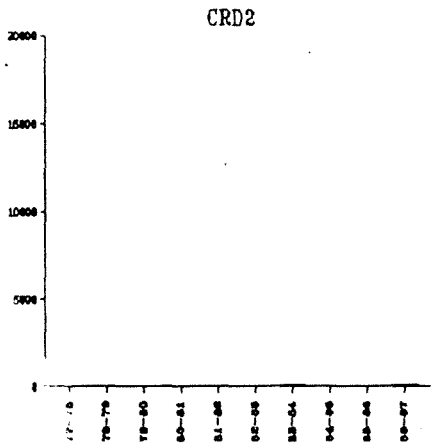
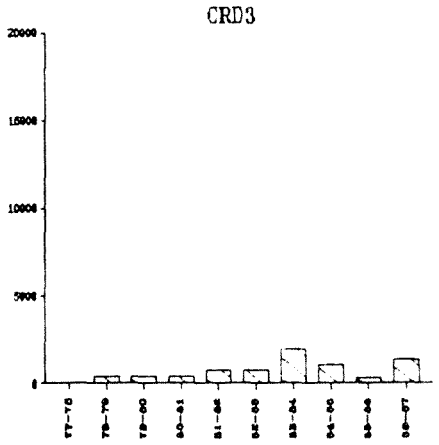
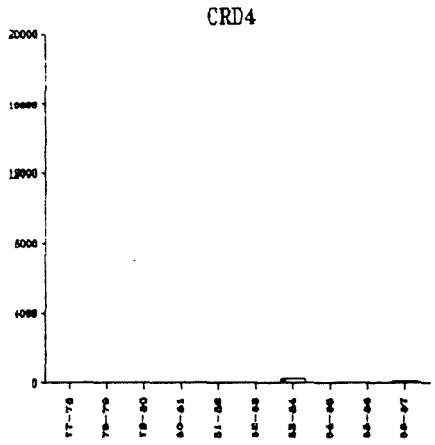
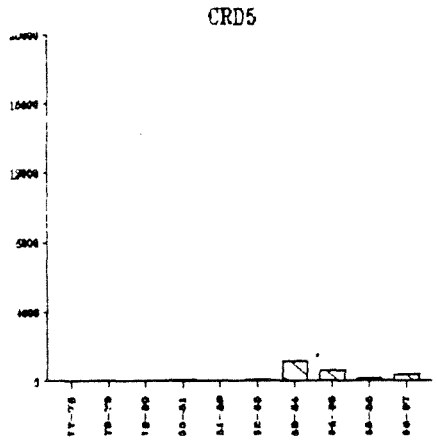
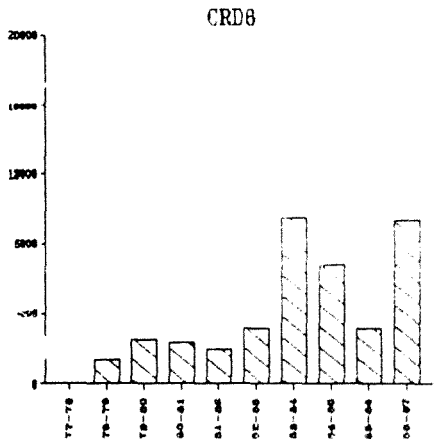
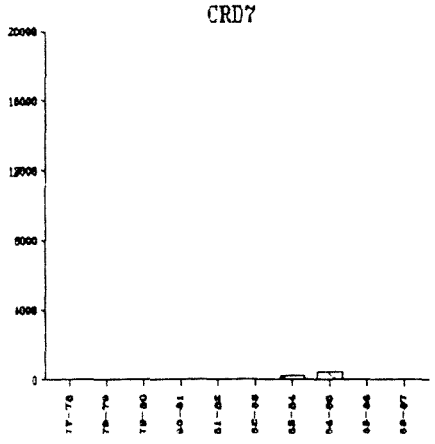
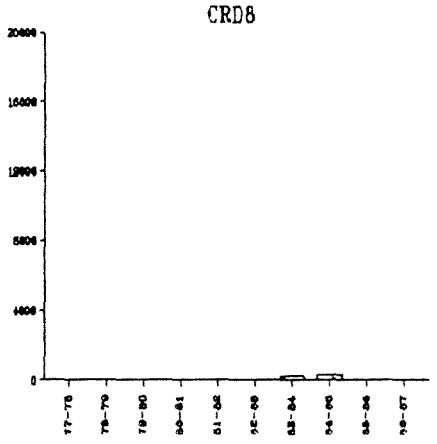
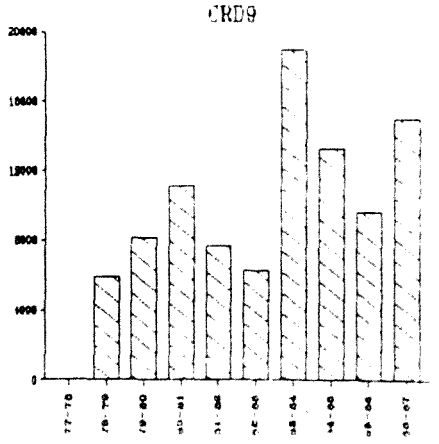

CORN TO WEST
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
25000
20000
15000
10000
5000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


CORN TO MISC
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
25000
20000
15000
10000
5000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR


ALL CORN SHIPMENTS
1977-78 to 1986-87
TRUCK
RAIL
thousand bushels
40000
30000
20000
10000
0
77-78
78-79
79-80
80-81
81-82
82-83
83-84
84-85
85-86
86-87
YEAR

NORTH DAKOTA CORN SHIPMENTS
BY CROP REPORTING DISTRICT ORIGIN

YEAR	Crop Reporting District 1	2	3	4	5	6	7	8	9	TOTAL
	(thousand bu.)									
1976-77[a]	0	0	0	0	0	0	0	0	0	0
	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)
1977-78[a]	0	0	0	0	0	0	0	0	0	0
	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)
1978-79	0	0	424	0	64	1,388	0	3	5,929	7,808
	(0%)	(0%)	(5%)	(0%)	(1%)	(18%)	(0%)	(0%)	(76%)	(100%)
1979-80	0	0	384	0	53	2,527	0	0	8,159	11,123
	(0%)	(0%)	(3%)	(0%)	(0%)	(23%)	(0%)	(0%)	(73%)	(100%)
1980-81	2	0	382	0	88	2,329	0	0	11,141	13,942
	(0%)	(0%)	(3%)	(0%)	(1%)	(17%)	(0%)	(0%)	(80%)	(100%)
1981-82	0	0	769	3	35	1,982	0	0	7,671	10,460
	(0%)	(0%)	(7%)	(0%)	(0%)	(19%)	(0%)	(0%)	(73%)	(100%)
1982-83	121	6	791	33	137	3,132	5	0	6,293	10,518
	(1%)	(0%)	(8%)	(0%)	(1%)	(30%)	(0%)	(0%)	(60%)	(100%)
1983-84	12	139	1,997	242	1,159	9,477	249	224	18,963	32,463
	(0%)	(0%)	(6%)	(1%)	(4%)	(29%)	(1%)	(1%)	(58%)	(100%)
1984-85	0	20	1,109	49	600	6,800	496	304	13,246	22,623
	(0%)	(0%)	(5%)	(0%)	(3%)	(30%)	(2%)	(1%)	(59%)	(100%)
1985-86	1	9	334	12	162	3,181	12	11	9,671	13,394
	(0%)	(0%)	(2%)	(0%)	(1%)	(24%)	(0%)	(0%)	(72%)	(100%)
1986-87	0	129	1,394	95	383	9,360	54	12	15,008	26,437
	(0%)	(0%)	(5%)	(0%)	(1%)	(35%)	(0%)	(0%)	(57%)	(100%)
3 Year Average	0	53	946	52	382	6,447	187	109	12,642	20,817
	(0%)	(0%)	(5%)	(0%)	(2%)	(31%)	(1%)	(1%)	(61%)	(100%)

[a]Prior to 1978-79, corn movements were reported as "miscellaneous".

CORN SHIPMENTS BY CROP REPORTING DISTRICT
(thousand bushels)