

**North Dakota Grain and Oilseed  
Transportation Statistics  
1993-94**

Scott Andreson, Dave Young  
and  
Kimberly Vachal

UGPTI Publication No. 101  
September 1994

# ***North Dakota Grain and Oilseed Transportation Statistics 1993-94***

---

**Scott Andreson and Dave Young**  
Student Research Assistants

*and*

**Kimberly Vachal**  
Transportation Economist  
Upper Great Plains Transportation Institute  
North Dakota State University  
Fargo, North Dakota

*in cooperation with*

**North Dakota Wheat Commission**  
Bismarck, ND

*and*

**North Dakota Public Service Commission**  
Bismarck, ND

*With special thanks to  
the North Dakota Grain Elevator Industry  
who provide these data monthly.*



## ***PREFACE***

The 1993-94 North Dakota Grain and Oilseed Transportation Statistics Report was prepared by Scott Andreson, Dave Young and Kimberly Vachal, Upper Great Plains Transportation Institute. The authors gratefully acknowledge the desktop publishing assistance of Bev Trittin 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, 56, and 86 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***

Sharold Geist, Chairman

Alan Lee, Berthold  
Maynard Satrom, Oriska  
Tom DeKrey, Steele

Willard Peterson, Northwood  
Don Sondrol, Vice Chairman  
Larry Lee, Velva

Mel Maier, Administrator  
Neal Fisher, Deputy Administrator  
Margie Martin, Production Promotion Specialist  
Ellen Huber, Program Assistant

### ***North Dakota Public Service Commission***

**Commissioners:**

Bruce Hagen, President  
Leo M. Reinbold  
Susan Wefald

**Transportation Division:**

Robert Senger, Director

**Grain Elevator Division:**

Jon Mielke, Director

# TABLE OF CONTENTS

---

	Page
NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS .....	i
Objective of Report .....	i
Scope of Report .....	i
Source of Data .....	i
Organization of the Remainder of the Report .....	i
Figure 1. North Dakota Crop Reporting Districts and Counties. ....	ii
TOTAL GRAIN AND OILSEED SHIPMENTS .....	1
HARD RED SPRING WHEAT .....	13
DURUM .....	21
BARLEY .....	29
SUNFLOWER .....	37
OATS .....	45
SOYBEANS .....	53
FLAX .....	61
CORN .....	69

# NORTH DAKOTA GRAIN AND OILSEED TRANSPORTATION STATISTICS 1993-94

## 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 are tabulated according to major characteristics which typically describe commodity flows. The major shipment characteristics considered are: destination, mode, origin, time and commodity. These characteristics are 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 1993 to June 1994, and previous years.
- ◆ **Commodity:** Hard red spring wheat, durum, barley, sunflower, oats, soybeans, flax and corn.

## Source of Data

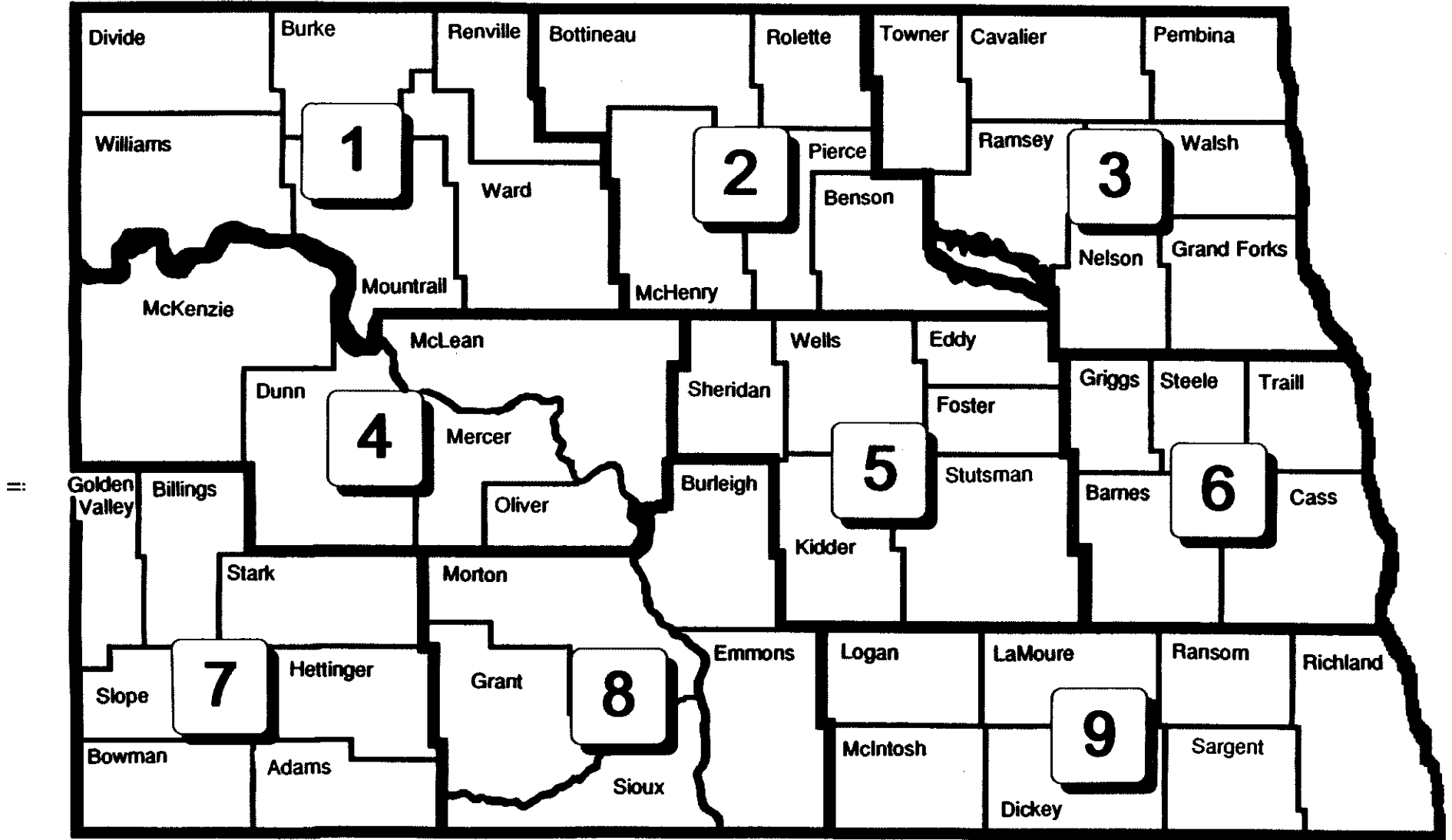
The data used to analyze North Dakota grain distribution patterns for the period July 1993 through June 1994 were obtained from all country elevators in North Dakota. The data source is the North Dakota Public Service Commission's "Grain Movement Report." Every country elevator in North Dakota is required 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 years' reports. 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.

**1993-94 totals are preliminary, representing 99 percent of the required reports.**



North Dakota Crop Reporting Districts and Counties.

---

***TOTAL  
GRAIN AND OILSEED  
SHIPMENTS***

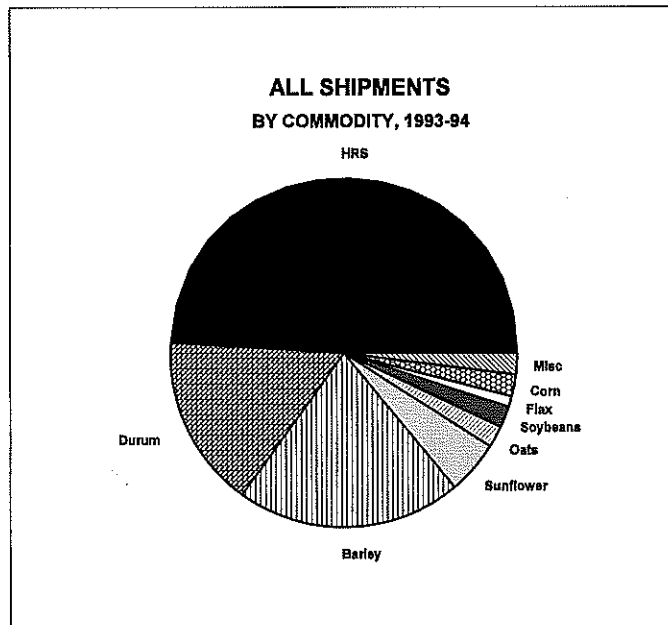
---





**NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS**  
**1983-84 to 1993-94**  
 (thousand bu.)

YEAR	HRS	DURUM	BARLEY	SUNFLOWER	OATS	SOYBEANS	FLAX	MISC.	CORN	TOTAL
1983-84	163,305 (30%)	84,941 (16%)	106,645 (20%)	103,449 (19%)	21,261 (4%)	12,504 (2%)	4,235 (1%)	10,014 (2%)	32,463 (6%)	538,818 (100%)
1984-85	183,109 (36%)	80,670 (16%)	106,030 (21%)	77,412 (15%)	11,232 (2%)	14,292 (3%)	4,098 (1%)	12,389 (2%)	22,623 (4%)	511,855 (100%)
1985-86	181,089 (38%)	87,344 (18%)	105,436 (22%)	53,541 (11%)	7,706 (2%)	12,116 (3%)	5,503 (1%)	12,261 (3%)	13,394 (3%)	478,390 (100%)
1986-87	193,962 (34%)	104,968 (18%)	146,342 (26%)	61,067 (11%)	9,387 (2%)	9,990 (2%)	6,666 (1%)	12,500 (2%)	26,437 (5%)	571,319 (100%)
1987-88	187,835 (36%)	77,395 (15%)	104,399 (20%)	63,418 (12%)	15,577 (3%)	18,415 (4%)	6,110 (1%)	14,263 (3%)	30,426 (6%)	517,838 (100%)
1988-89	135,640 (36%)	43,906 (12%)	92,715 (25%)	39,056 (10%)	4,297 (1%)	12,160 (3%)	2,013 (1%)	13,243 (4%)	29,344 (8%)	372,376 (100%)
1989-90	192,485 (40%)	72,003 (15%)	112,256 (23%)	32,174 (7%)	5,015 (1%)	14,015 (3%)	1,077 (1%)	14,632 (3%)	34,764 (7%)	478,421 (100%)
1990-91	191,072 (38%)	78,309 (15%)	114,046 (23%)	37,086 (7%)	5,601 (1%)	10,185 (2%)	2,258 (0%)	39,229 (8%)	28,434 (6%)	506,220 (100%)
1991-92	261,169 (43%)	83,827 (14%)	124,755 (20%)	57,364 (9%)	7,601 (1%)	16,464 (3%)	4,058 (1%)	21,047 (3%)	36,084 (6%)	612,376 (100%)
1992-93	344,261 (49%)	88,080 (12%)	131,139 (19%)	66,965 (10%)	13,272 (2%)	15,528 (2%)	3,621 (1%)	12,257 (2%)	18,054 (3%)	704,083 (100%)
1993-94	252,566 (49%)	82,921 (16%)	109,935 (21%)	26,017 (5%)	11,427 (2%)	9,815 (2%)	2,200 (1%)	12,429 (2%)	8,047 (2%)	515,357 (100%)



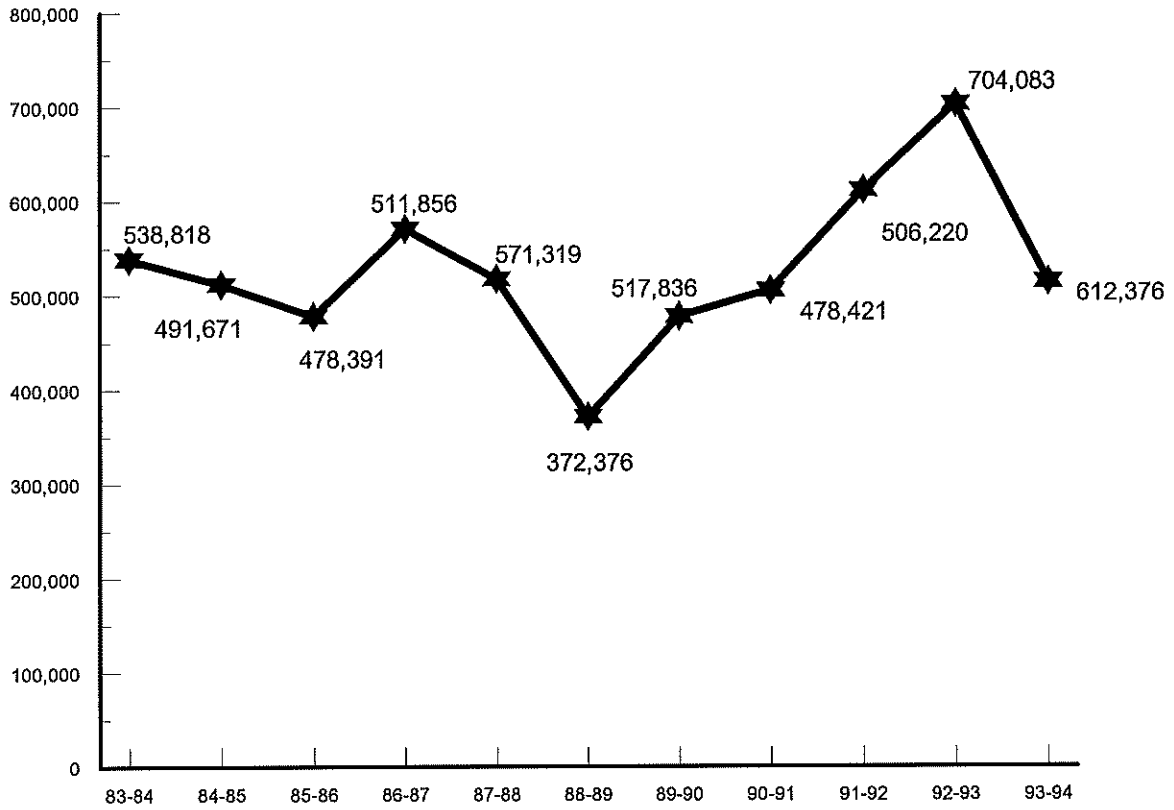
**NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS  
BY DESTINATION  
1983-84 to 1993-94  
(thousand bu.)**

YEAR	MINNEAPOLIS- ST. PAUL	DULUTH- SUPERIOR	WEST	NORTH DAKOTA	MISC. MARKETS	TOTAL
1983-84	134,312 (25%)	195,942 (36%)	59,203 (11%)	4,267 (1%)	145,095 (27%)	538,818 (100%)
1984-85	129,455 (25%)	178,299 (35%)	61,002 (12%)	41,521 (8%)	101,578 (20%)	511,856 (100%)
1985-86	131,879 (28%)	109,232 (23%)	44,812 (9%)	58,337 (12%)	134,130 (28%)	478,391 (100%)
1986-87	121,620 (21%)	119,016 (21%)	92,923 (16%)	66,874 (12%)	170,887 (33%)	571,319 (100%)
1987-88	124,984 (24%)	92,320 (18%)	64,727 (12%)	64,982 (13%)	170,823 (33%)	517,836 (100%)
1988-89	85,561 (23%)	50,767 (14%)	67,862 (18%)	50,854 (14%)	117,333 (31%)	372,376 (100%)
1989-90	107,958 (22%)	85,112 (18%)	67,347 (14%)	54,110 (11%)	163,894 (35%)	478,421 (100%)
1990-91	114,712 (23%)	80,740 (16%)	77,311 (15%)	61,987 (12%)	171,470 (34%)	506,220 (100%)
1991-92	134,437 (22%)	73,029 (12%)	75,720 (12%)	74,695 (12%)	254,491 (42%)	612,376 (100%)
1992-93	145,713 (21%)	82,087 (12%)	95,005 (13%)	89,780 (13%)	291,497 (41%)	704,083 (100%)
1993-94	122,774 (24%)	65,572 (13%)	82,292 (16%)	53,760 (10%)	189,762 <sup>a</sup> (37%)	515,357 (100%)

<sup>a</sup>Miscellaneous markets include shipments to Midland/Southwest destinations, other Minnesota/Wisconsin destinations, and all other markets.

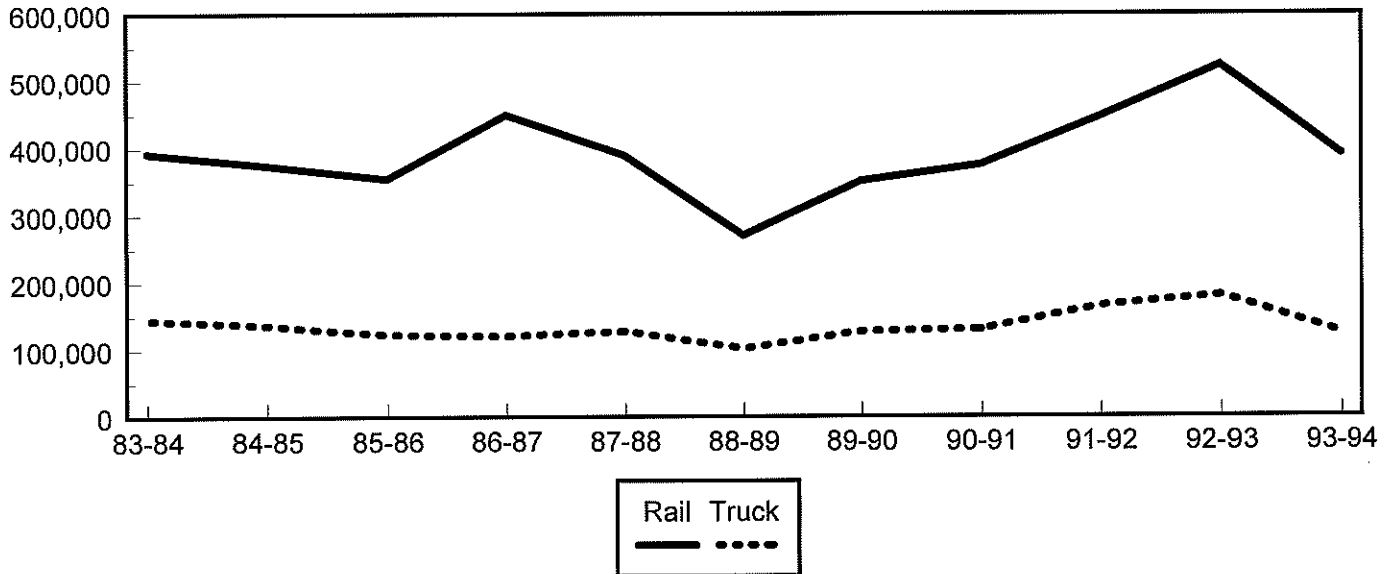
# ALL COMMODITY SHIPMENTS 1983-84 to 1993-94

thousand bushels



# ALL COMMODITY SHIPMENTS 1983-84 to 1993-94

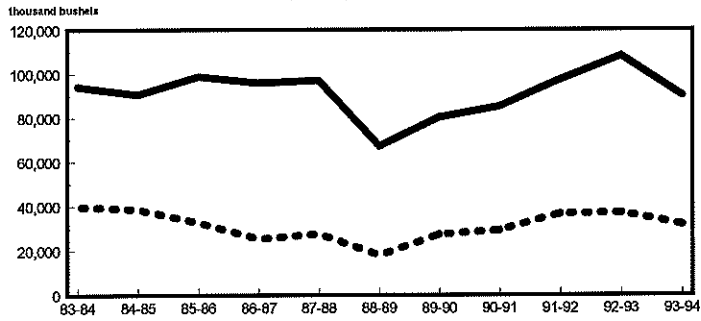
thousand bushels



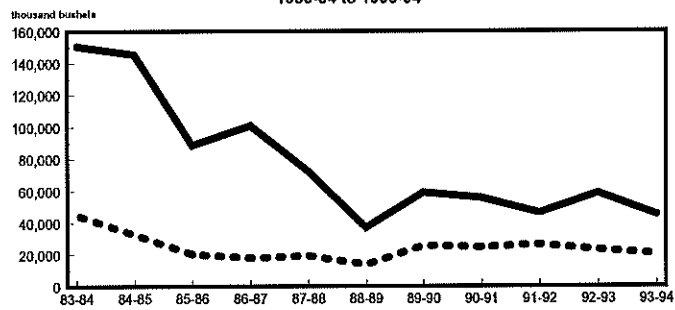
**NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS- ST. PAUL		DULUTH- SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK	RAIL	TRUCK
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%)
1990-91	85,295 (74%)	29,416 (26%)	55,844 (69%)	24,896 (31%)	74,543 (96%)	2,768 (4%)	160,029 (69%)	73,430 (31%)	375,712 (74%)	130,510 (26%)
1991-92	97,591 (73%)	36,846 (27%)	46,537 (64%)	26,492 (36%)	72,253 (95%)	3,466 (5%)	231,055 (70%)	98,129 (30%)	447,439 (73%)	164,937 (27%)
1992-93	108,441 (74%)	37,272 (26%)	59,021 (72%)	23,067 (28%)	90,912 (96%)	4,093 (4%)	265,465 (70%)	115,813 (30%)	523,839 (74%)	180,244 (26%)
1993-94	90,920 (74%)	31,854 (26%)	45,243 (69%)	20,330 (31%)	79,660 (97%)	2,632 (3%)	174,906 (72%)	68,616 (28%)	390,885 (76%)	124,472 (24%)

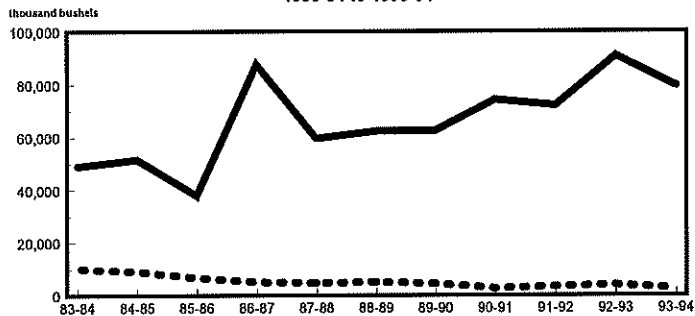
**ALL SHIPMENTS TO MINNEAPOLIS  
1983-84 to 1993-94**



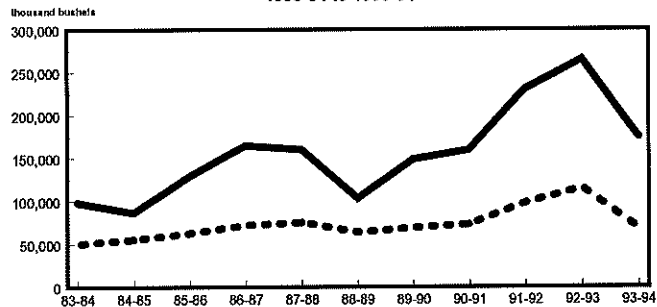
**ALL SHIPMENTS TO DULUTH-SUPERIOR  
1983-84 to 1993-94**



**ALL SHIPMENTS TO WEST  
1983-84 to 1993-94**



**ALL SHIPMENTS TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**

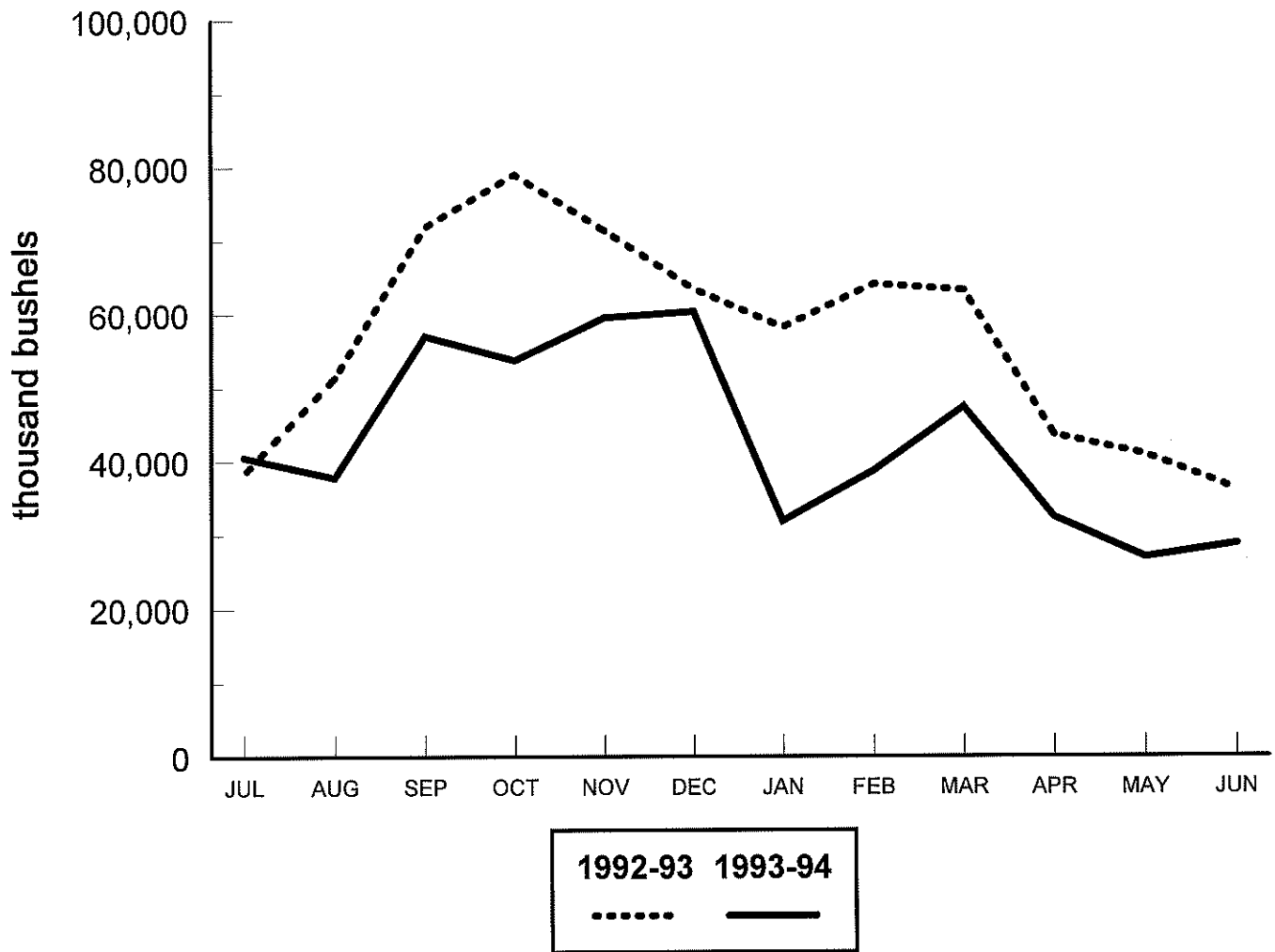


**NORTH DAKOTA GRAIN AND OILSEED MOVEMENTS  
BY MONTH  
July 1993 - June 1994  
(thousand bu.)**

MONTH	HRS	DURUM	SOYB	FLAX	BARLEY	OATS	CORN	SF	MISC.	TOTAL
July	19,637	6,202	1,047	129	8,572	714	933	2,214	1,186	40,636
August	12,860	6,621	999	110	12,316	1,313	817	1,563	1,259	37,859
September	29,775	7,699	143	217	14,172	2,810	408	691	1,151	57,068
October	29,667	7,645	1,011	382	7,982	1,733	773	3,184	1,375	53,753
November	28,930	9,641	1,238	242	11,537	901	1,220	4,462	1,381	59,553
December	33,016	11,369	1,108	266	8,816	516	1,003	3,208	1,058	60,362
January	16,336	5,603	384	168	5,607	581	552	1,978	714	31,923
February	17,552	7,369	1,162	138	8,114	781	456	2,000	1,164	38,735
March	19,577	10,451	137	259	12,171	780	811	2,179	999	47,366
April	16,318	4,167	1,042	156	7,453	478	428	1,694	659	32,396
May	14,899	3,114	725	45	5,675	329	340	1,167	665	26,957
June	13,998	3,038	819	87	7,520	489	305	1,675	817	28,749
<b>Total</b>	<b>252,566</b>	<b>82,921</b>	<b>9,815</b>	<b>2,200</b>	<b>109,935</b>	<b>11,427</b>	<b>8,047</b>	<b>26,017</b>	<b>12,429</b>	<b>515,357</b>

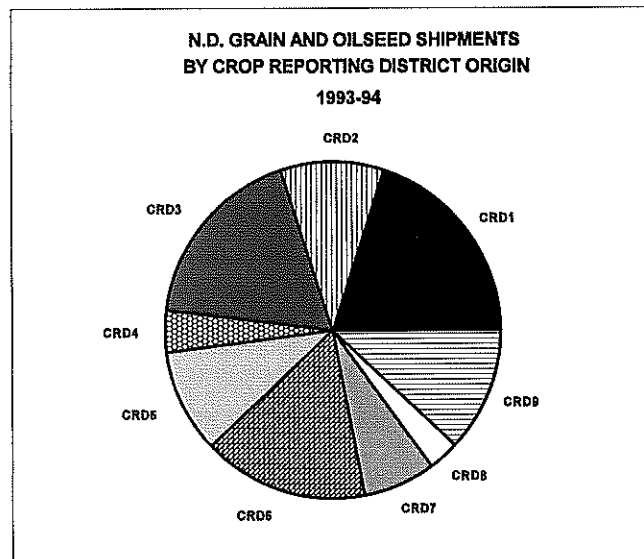
# ALL COMMODITY SHIPMENTS

## By Month, 1992-93 and 1993-94



**NORTH DAKOTA GRAIN AND OILSEED SHIPMENTS  
BY CROP REPORTING DISTRICT ORIGIN  
1983-84 to 1993-94  
(thousand bu.)**

YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	69,142 (13%)	46,862 (9%)	127,082 (24%)	17,675 (3%)	59,256 (11%)	100,845 (19%)	29,322 (5%)	15,796 (3%)	72,839 (14%)	538,818 (100%)
1984-85	56,106 (11%)	40,973 (9%)	119,549 (23%)	16,346 (3%)	51,963 (10%)	101,475 (20%)	28,236 (5%)	16,856 (3%)	80,352 (15%)	511,856 (100%)
1985-86	62,459 (13%)	39,674 (8%)	104,951 (22%)	19,241 (4%)	51,713 (11%)	86,015 (18%)	27,497 (6%)	15,567 (3%)	71,301 (15%)	478,391 (100%)
1986-87	88,714 (16%)	53,092 (9%)	123,222 (22%)	23,220 (4%)	59,899 (10%)	100,863 (18%)	29,473 (5%)	14,906 (3%)	77,929 (14%)	571,319 (100%)
1987-88	59,183 (11%)	32,984 (6%)	131,537 (25%)	16,035 (3%)	50,741 (10%)	104,169 (20%)	27,701 (5%)	14,721 (3%)	80,764 (16%)	517,835 (100%)
1988-89	41,877 (11%)	23,012 (6%)	91,616 (25%)	8,148 (2%)	34,629 (9%)	88,380 (24%)	16,943 (5%)	6,565 (2%)	61,205 (16%)	372,376 (100%)
1989-90	47,958 (10%)	35,000 (7%)	124,101 (26%)	10,596 (2%)	35,032 (7%)	109,025 (23%)	22,581 (5%)	6,830 (2%)	87,298 (18%)	478,421 (100%)
1990-91	55,109 (11%)	41,253 (8%)	117,055 (23%)	13,028 (3%)	41,778 (8%)	118,104 (23%)	15,336 (3%)	6,649 (1%)	97,908 (19%)	506,220 (100%)
1991-92	69,889 (11%)	49,595 (8%)	151,523 (25%)	15,580 (3%)	58,815 (10%)	130,741 (21%)	24,399 (4%)	12,668 (2%)	99,162 (16%)	612,376 (100%)
1992-93	96,075 (14%)	55,530 (8%)	181,745 (26%)	20,567 (3%)	71,819 (10%)	132,408 (19%)	32,897 (4%)	15,456 (2%)	97,586 (14%)	704,083 (100%)
1993-94	102,070 (20%)	53,508 (10%)	95,577 (18%)	19,843 (4%)	51,371 (10%)	83,238 (16%)	34,431 (7%)	13,665 (3%)	61,662 (12%)	515,357 (100%)

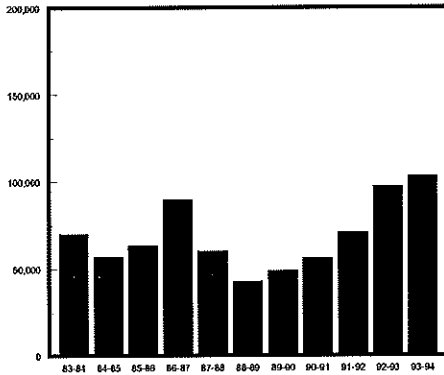




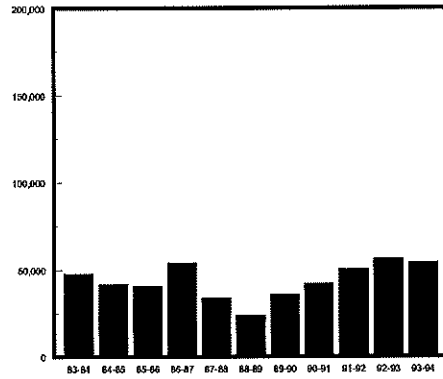
# ALL GRAIN AND OILSEED SHIPMENTS BY CROP REPORTING DISTRICT

(thousand bushels)

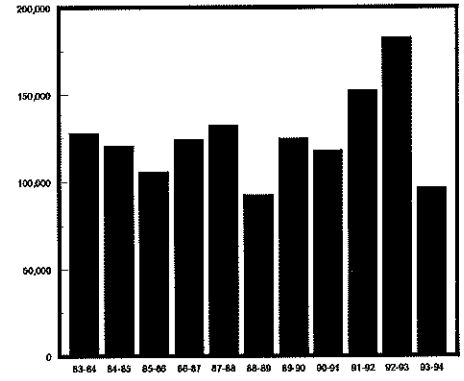
CRD 1



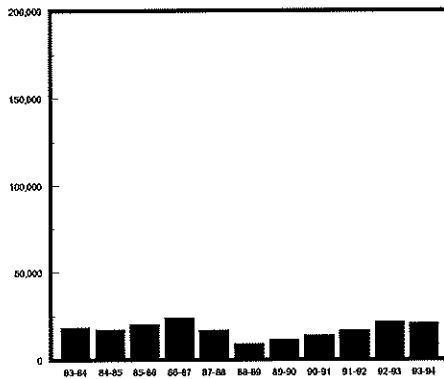
CRD 2



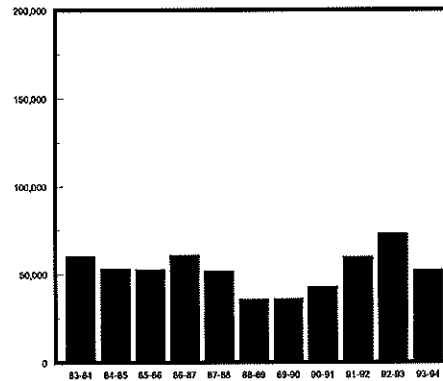
CRD 3



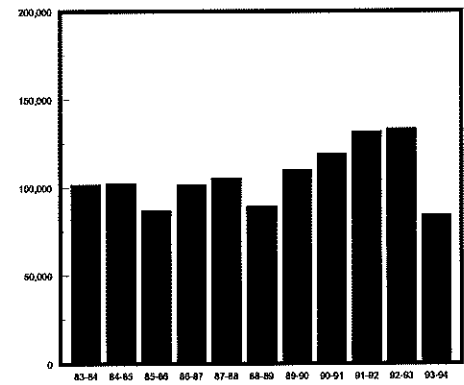
CRD 4



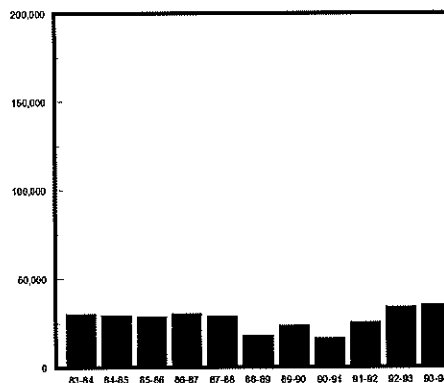
CRD 5



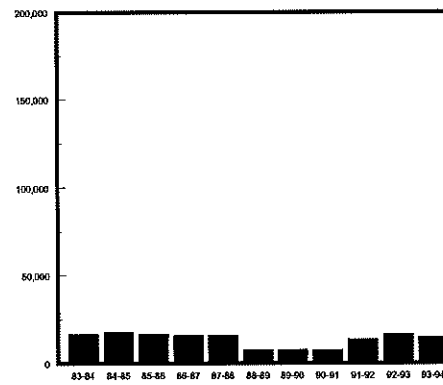
CRD 6



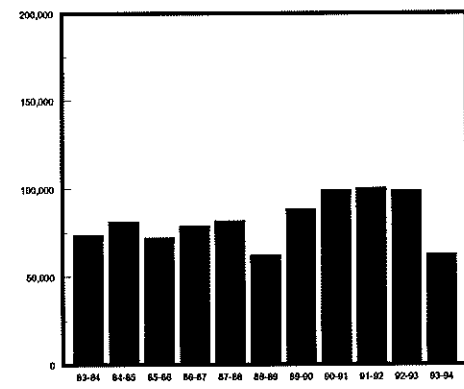
CRD 7

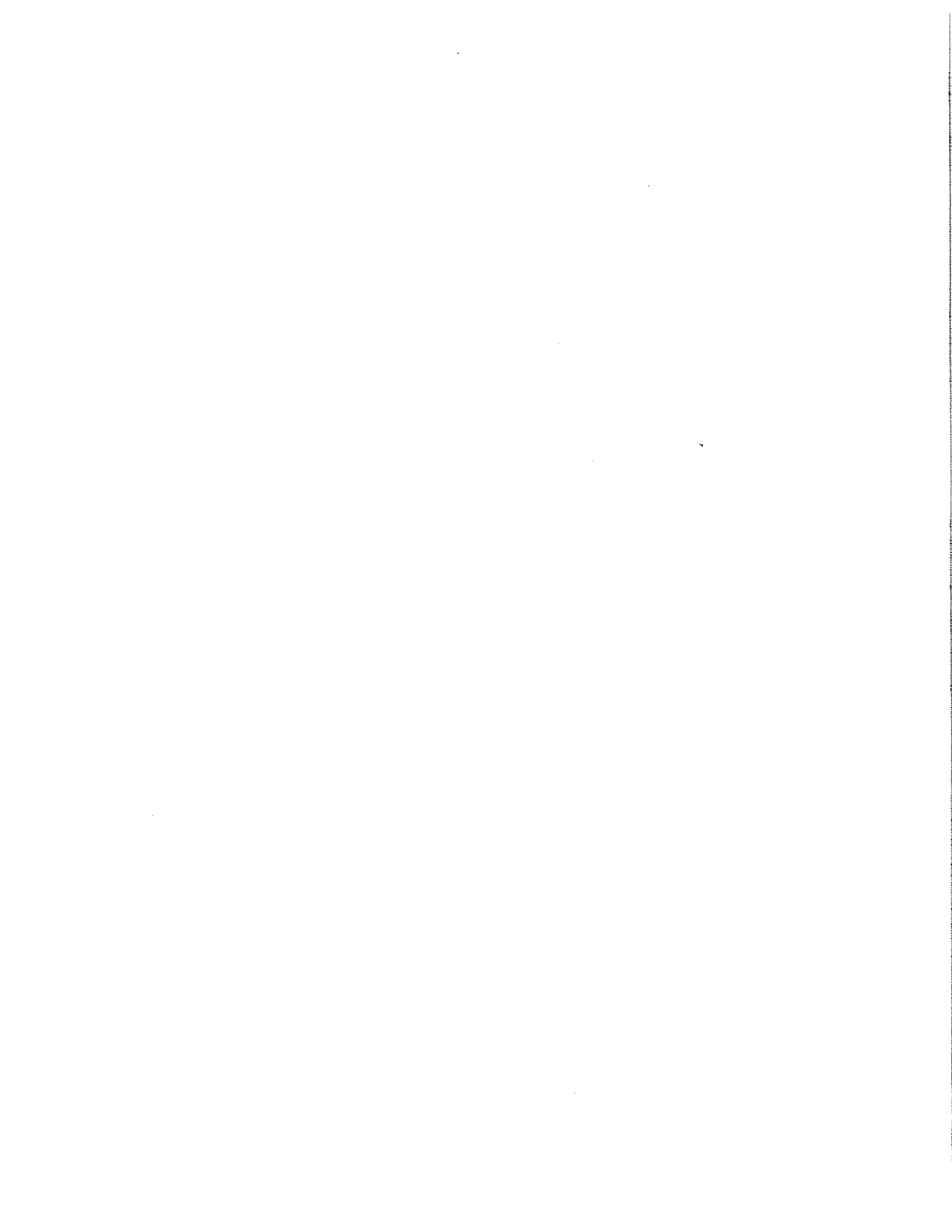


CRD 8



CRD 9





---

***HRS WHEAT  
SHIPMENTS***

---

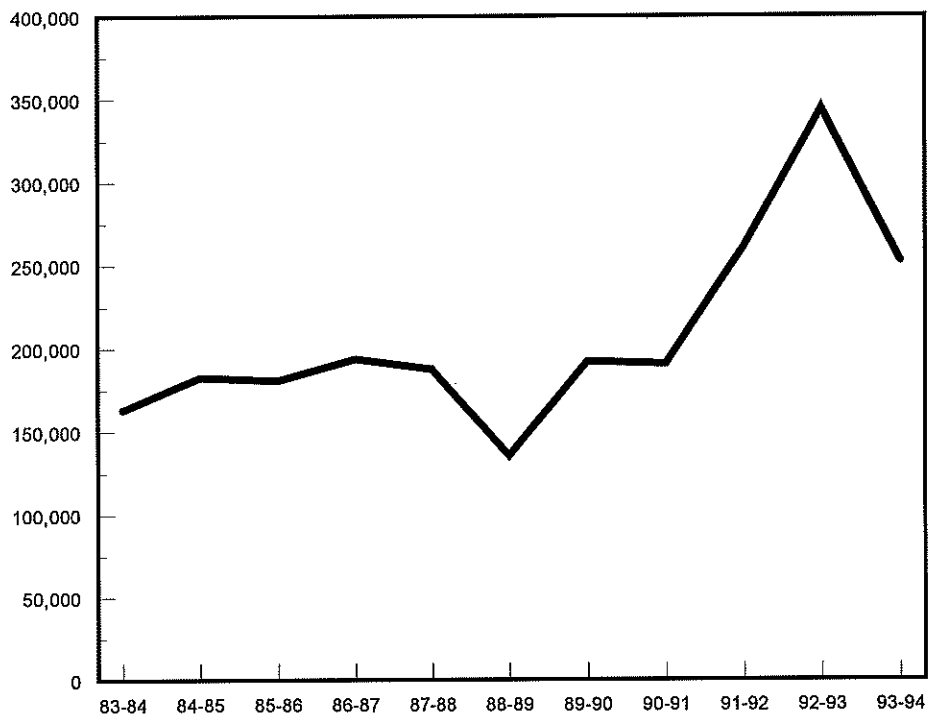
**NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS  
BY DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS- ST. PAUL	DULUTH- SUPERIOR	WEST	MISC. MARKETS	TOTAL
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 (36%)	192,485 (100%)
1990-91	56,356 (29%)	39,229 (21%)	39,521 (21%)	55,966 (29%)	191,072 (100%)
1991-92	74,751 (29%)	23,891 (9%)	29,125 (11%)	133,400 (51%)	261,169 (100%)
1992-93	81,210 (24%)	38,573 (11%)	62,458 (18%)	162,021 <sup>a</sup> (47%)	344,261 (100%)
1993-94	63,417 (25%)	35,405 (14%)	65,754 (26%)	87,990 (35%)	252,566 (100%)

<sup>a</sup>Miscellaneous markets include shipments to Midland/Southwest destinations (10%), other Minnesota/Wisconsin destinations (7%), and all other markets including North Dakota processors (17%).

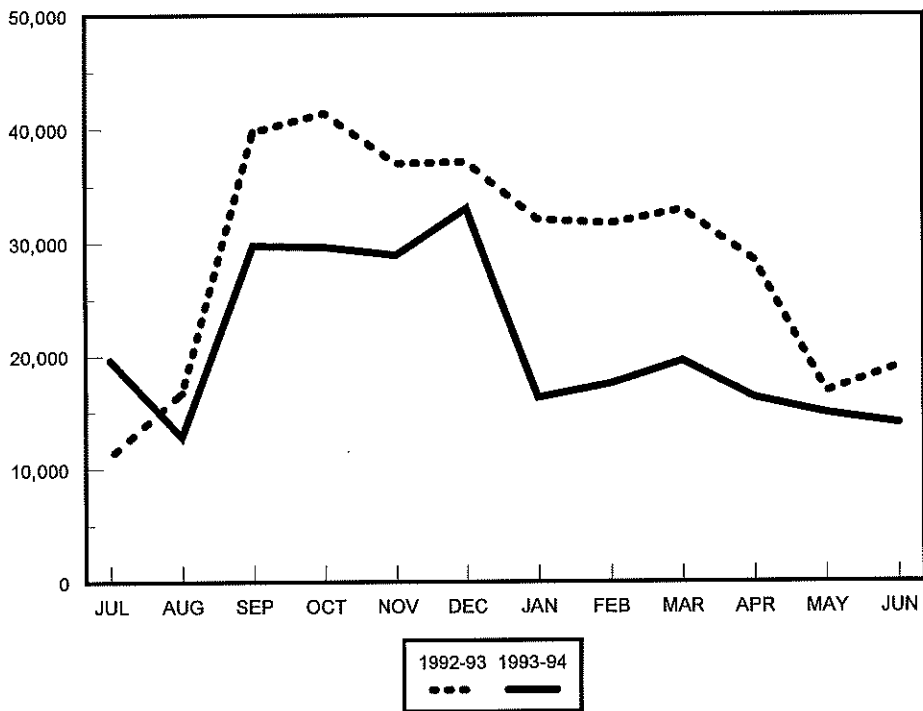
### HRS WHEAT SHIPMENTS 1983-84 to 1993-94

thousand bushels



### HRS WHEAT SHIPMENTS BY MONTH, 1992-93 TO 1993-94

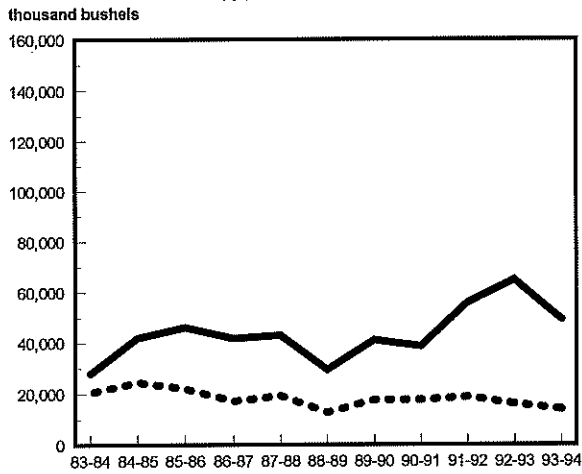
thousand bushels



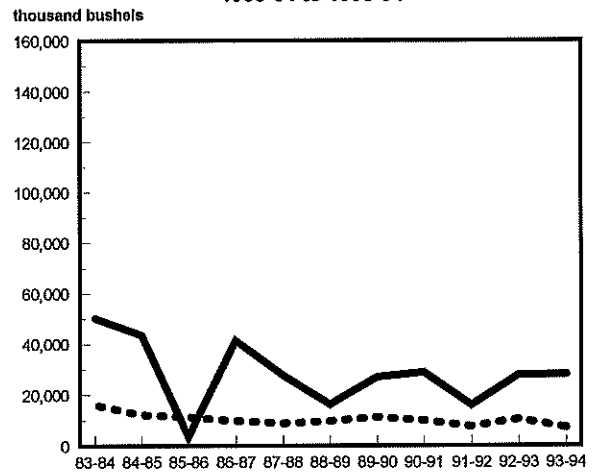
**NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1983-84	28,084 (49%)	20,609 (37%)	50,383 (78%)	16,136 (22%)	20,523 (75%)	8,568 (25%)	13,020 (71%)	5,980 (29%)	112,010 (71%)	51,293 (29%)
1984-85	42,183 (63%)	24,613 (37%)	43,780 (78%)	12,223 (22%)	21,322 (75%)	7,130 (25%)	22,765 (71%)	9,094 (29%)	130,050 (71%)	53,061 (25%)
1985-86	46,269 (68%)	22,189 (32%)	37,313 (77%)	11,409 (23%)	16,478 (77%)	4,832 (23%)	31,648 (74%)	10,948 (26%)	131,709 (73%)	49,379 (27%)
1986-87	41,857 (71%)	17,163 (29%)	41,516 (81%)	10,048 (19%)	20,491 (84%)	3,955 (16%)	49,533 (84%)	9,399 (16%)	153,397 (79%)	40,565 (21%)
1987-88	43,082 (69%)	19,381 (31%)	27,911 (76%)	8,844 (24%)	20,068 (85%)	3,481 (15%)	49,838 (77%)	15,231 (23%)	140,899 (75%)	46,937 (25%)
1988-89	29,566 (70%)	12,700 (30%)	16,414 (63%)	9,825 (37%)	25,688 (86%)	4,100 (14%)	27,697 (74%)	9,650 (26%)	99,365 (73%)	36,275 (27%)
1989-90	41,249 (70%)	17,631 (30%)	27,148 (70%)	11,362 (30%)	21,552 (86%)	3,578 (14%)	57,236 (82%)	12,728 (18%)	147,186 (76%)	45,299 (24%)
1990-91	38,707 (69%)	17,649 (31%)	29,079 (74%)	10,150 (26%)	37,359 (95%)	2,162 (5%)	45,281 (81%)	10,685 (19%)	150,426 (79%)	40,646 (21%)
1991-92	55,940 (75%)	18,811 (25%)	16,154 (68%)	7,737 (32%)	27,087 (83%)	2,037 (17%)	116,553 (87%)	16,843 (13%)	215,738 (83%)	45,431 (17%)
1992-93	65,059 (80%)	16,150 (20%)	27,958 (72%)	10,616 (28%)	60,140 (96%)	2,317 (4%)	148,773 (92%)	13,247 (8%)	301,930 (88%)	42,331 (12%)
1993-94	49,416 (80%)	14,001 (20%)	28,137 (79%)	7,269 (21%)	63,604 (97%)	2,150 (3%)	76,529 (87%)	11,460 (13%)	217,685 (86%)	34,880 (14%)

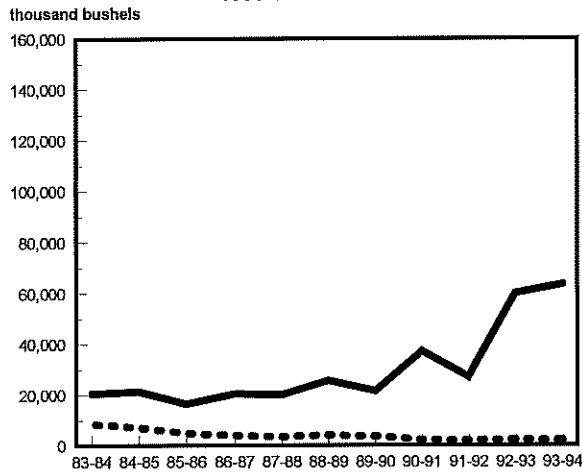
**HRS WHEAT TO MINNEAPOLIS  
1983-84 to 1993-94**



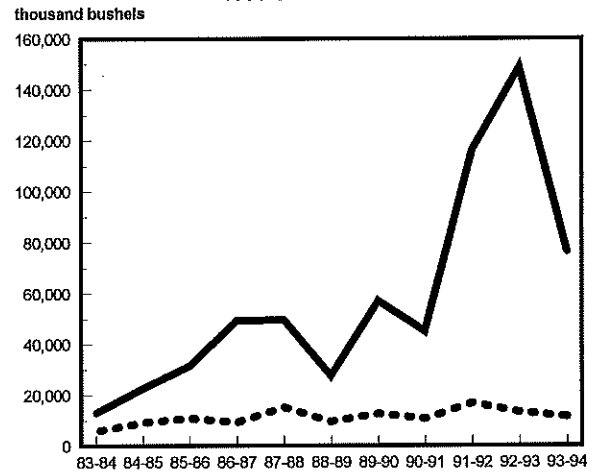
**HRS WHEAT TO DULUTH-SUPERIOR  
1983-84 to 1993-94**



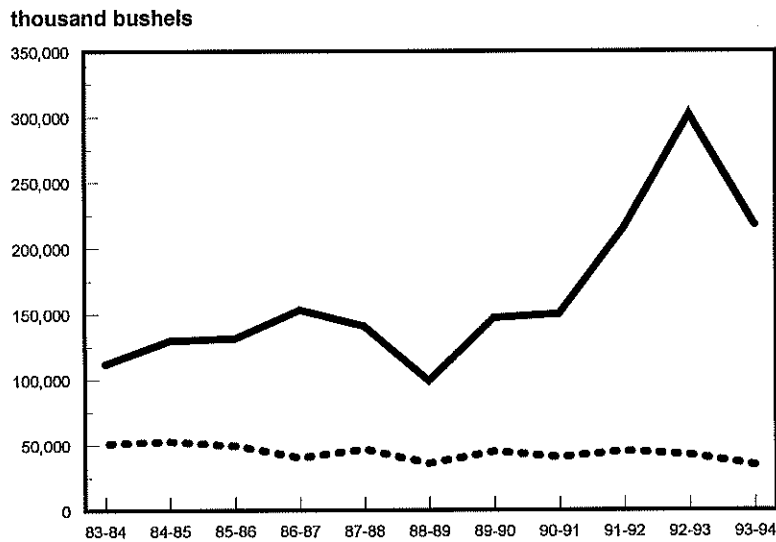
**HRS WHEAT TO WEST  
1983-84 to 1993-94**



**HRS WHEAT TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**



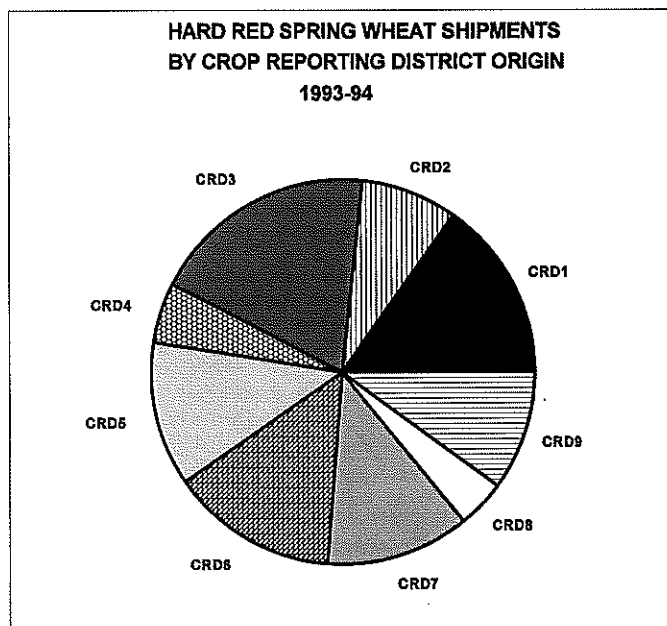
**HRS WHEAT SHIPMENTS  
1983-84 to 1993-94**



Rail Truck  
—    - - -

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

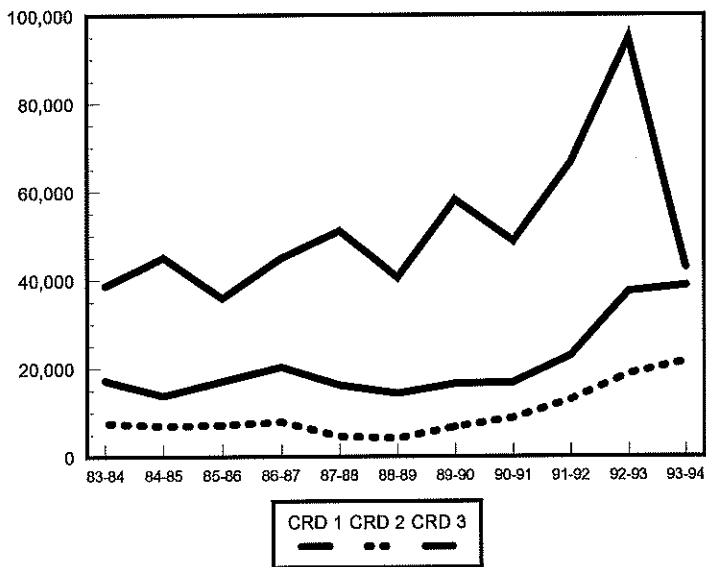
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	17,360 (11%)	7,662 (5%)	38,766 (24%)	7,121 (4%)	16,189 (10%)	27,265 (17%)	19,397 (12%)	9,518 (6%)	20,027 (12%)	163,305 (100%)
1984-85	13,898 (8%)	7,035 (4%)	45,117 (25%)	5,923 (3%)	17,297 (9%)	36,598 (20%)	18,091 (10%)	10,937 (6%)	28,213 (15%)	183,109 (100%)
1985-86	17,154 (9%)	7,247 (4%)	35,921 (20%)	7,160 (4%)	23,066 (13%)	30,432 (17%)	21,285 (12%)	11,428 (6%)	27,395 (15%)	181,089 (100%)
1986-87	20,393 (11%)	7,885 (4%)	44,955 (23%)	8,137 (4%)	24,189 (12%)	32,423 (17%)	20,379 (11%)	10,701 (6%)	24,901 (13%)	193,962 (100%)
1987-88	16,285 (9%)	4,600 (2%)	51,209 (27%)	6,060 (3%)	18,106 (10%)	37,842 (18%)	19,422 (12%)	9,545 (5%)	24,766 (13%)	187,835 (100%)
1988-89	14,445 (10%)	4,157 (3%)	40,595 (29%)	3,595 (3%)	12,453 (9%)	26,334 (19%)	13,016 (9%)	4,373 (3%)	16,673 (12%)	135,640 (100%)
1989-90	16,523 (9%)	6,775 (4%)	58,154 (30%)	4,477 (2%)	15,229 (8%)	40,511 (21%)	18,217 (9%)	5,043 (3%)	27,556 (14%)	192,485 (100%)
1990-91	16,896 (9%)	8,751 (5%)	48,869 (26%)	5,299 (3%)	20,484 (11%)	46,365 (24%)	12,921 (7%)	5,890 (3%)	25,597 (13%)	191,072 (100%)
1991-92	22,914 (9%)	12,920 (5%)	66,696 (26%)	7,854 (3%)	28,334 (11%)	53,005 (20%)	21,429 (8%)	11,389 (4%)	36,623 (14%)	261,169 (100%)
1992-93	37,519 (10%)	18,768 (5%)	94,790 (28%)	10,260 (5%)	36,094 (10%)	57,697 (17%)	29,701 (9%)	12,519 (4%)	46,910 (14%)	344,261 (100%)
1993-94	38,854 (15%)	21,648 (8%)	47,873 (19%)	11,948 (5%)	29,456 (12%)	36,425 (14%)	30,408 (12%)	11,148 (4%)	24,805 (10%)	252,566 (100%)



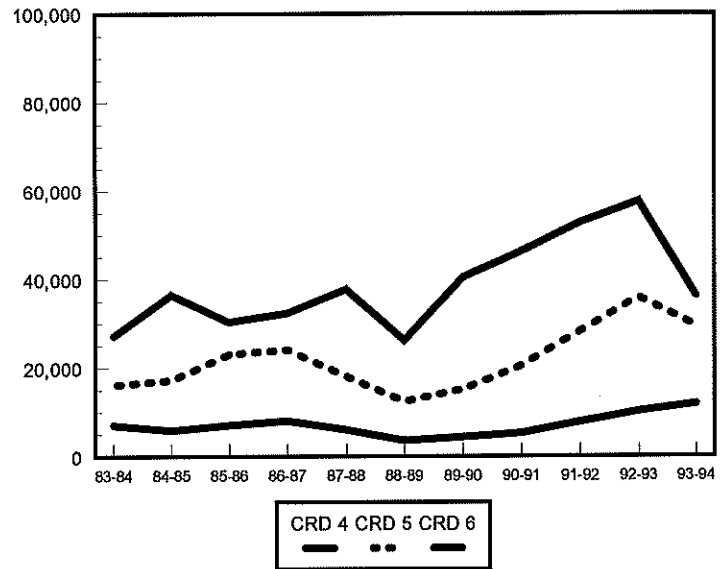


# HARD RED SPRING WHEAT SHIPMENTS BY CROP REPORTING DISTRICT

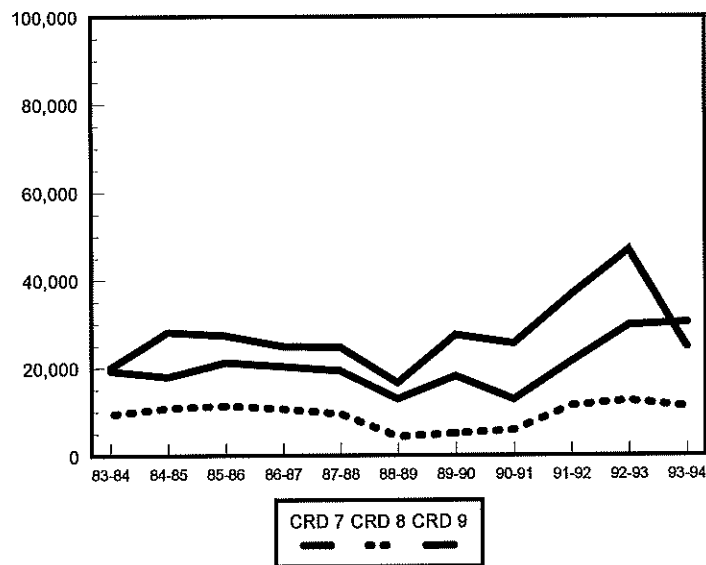
BY NORTHERN CROP REPORTING DISTRICTS  
(thousand bushels)



BY CENTRAL CROP REPORTING DISTRICTS  
(thousand bushels)



SOUTHERN CROP REPORTING DISTRICTS  
(thousand bushels)





---

***DURUM  
SHIPMENTS***

---

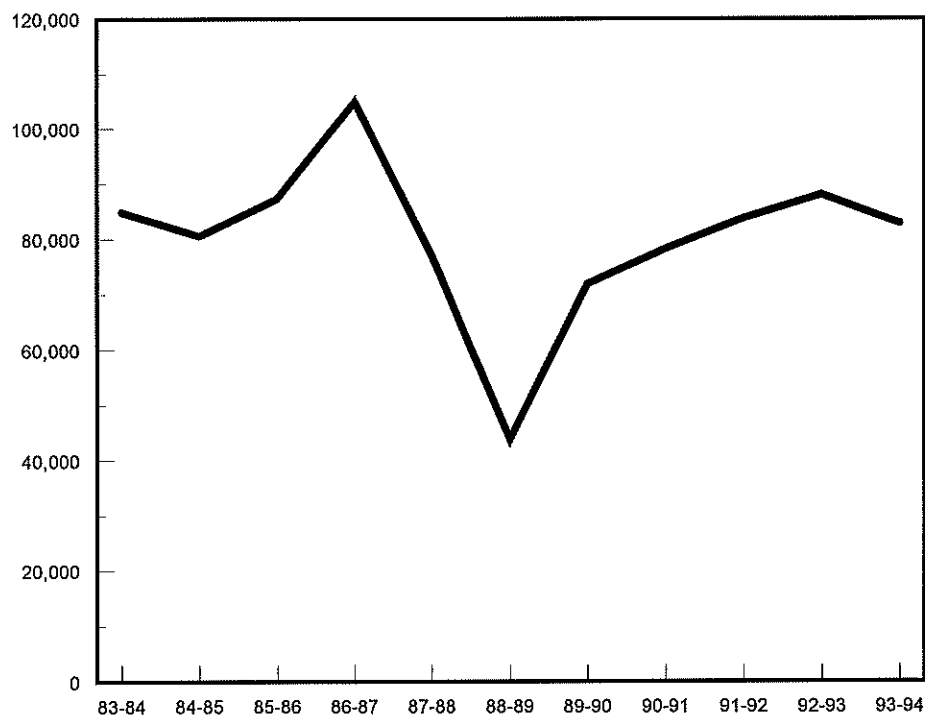
**NORTH DAKOTA DURUM SHIPMENTS  
BY DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
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 (47%)	72,003 (100%)
1990-91	18,159 (23%)	24,167 (31%)	929 (1%)	35,054 (45%)	78,309 (100%)
1991-92	16,379 (20%)	26,063 (31%)	1,191 (1%)	40,191 (48%)	83,827 (100%)
1992-93	19,434 (22%)	20,627 (23%)	2,424 (3%)	45,596 <sup>a</sup> (52%)	88,080 (100%)
1993-94	20,725 (25%)	12,760 (15%)	2,196 (3%)	47,240 (57%)	82,921 (100%)

<sup>a</sup>Miscellaneous markets include shipments to Midland/Southwest destinations (22%), other Minnesota/Wisconsin destinations (12%), and all other markets including North Dakota processors (22%).

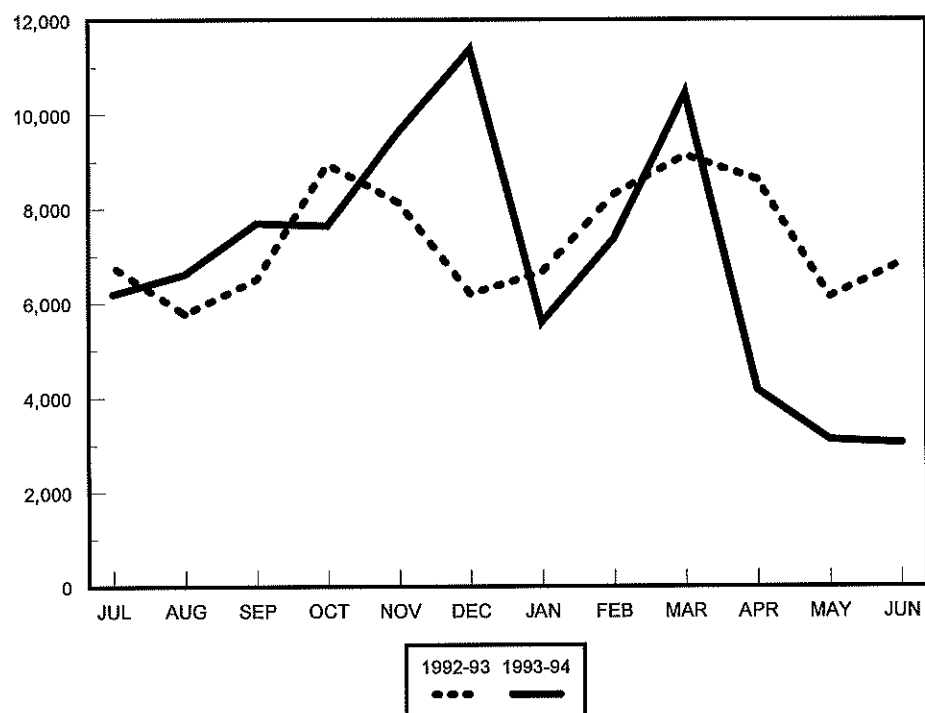
## DURUM SHIPMENTS 1983-84 to 1993-94

thousand bushels



## DURUM SHIPMENTS BY MONTH, 1992-93 TO 1993-94

thousand bushels

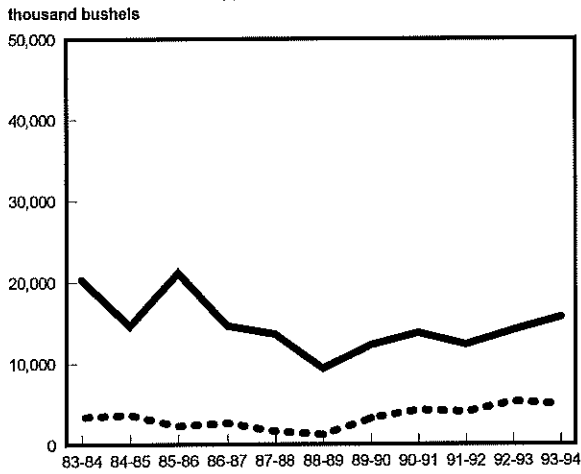


1992-93    1993-94  
 .....    ———

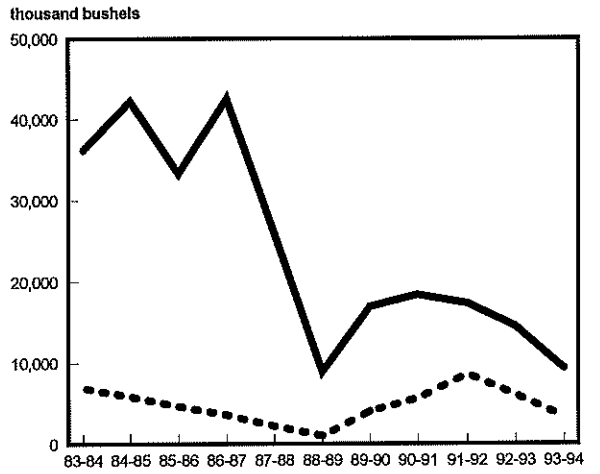
**NORTH DAKOTA DURUM SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1983-84	20,380 (86%)	3,462 (14%)	36,166 (84%)	6,976 (16%)	1,322 (96%)	56 (4%)	14,546 (88%)	2,032 (12%)	72,415 (85%)	12,527 (15%)
1984-85	14,652 (80%)	3,700 (20%)	42,238 (88%)	5,899 (12%)	1,241 (87%)	180 (13%)	9,856 (77%)	2,905 (23%)	67,987 (84%)	12,684 (16%)
1985-86	21,191 (90%)	2,307 (10%)	33,330 (88%)	4,695 (12%)	2,850 (97%)	75 (3%)	18,695 (82%)	4,200 (18%)	76,067 (87%)	11,278 (13%)
1986-87	14,679 (85%)	2,671 (15%)	42,543 (92%)	3,608 (8%)	2,932 (99%)	37 (1%)	34,843 (91%)	3,656 (9%)	94,996 (91%)	9,972 (9%)
1987-88	13,662 (89%)	1,685 (11%)	25,969 (92%)	2,246 (6%)	1,110 (94%)	73 (6%)	26,542 (81%)	6,107 (19%)	67,283 (87%)	10,111 (13%)
1988-89	9,421 (88%)	1,244 (12%)	8,995 (90%)	1,037 (10%)	1,426 (99%)	10 (1%)	15,444 (71%)	6,324 (29%)	35,288 (80%)	8,617 (20%)
1989-90	12,346 (79%)	3,265 (21%)	17,022 (81%)	4,081 (19%)	1,118 (99%)	8 (1%)	28,039 (82%)	6,123 (18%)	58,525 (81%)	13,478 (19%)
1990-91	13,842 (76%)	4,317 (24%)	18,463 (76%)	5,705 (24%)	914 (98%)	15 (2%)	28,391 (81%)	6,662 (19%)	61,610 (79%)	16,699 (21%)
1991-92	12,373 (76%)	4,005 (24%)	17,382 (67%)	8,680 (33%)	1,149 (96%)	42 (4%)	18,479 (78%)	5,162 (22%)	65,658 (78%)	18,168 (22%)
1992-93	14,129 (73%)	5,305 (27%)	14,565 (71%)	6,062 (29%)	2,317 (96%)	106 (4%)	39,340 (86%)	6,256 (14%)	70,351 (80%)	17,730 (20%)
1993-94	15,747 (76%)	4,977 (24%)	9,376 (73%)	3,384 (27%)	2,195 (100%)	1 (0%)	41,286 (87%)	5,954 (13%)	68,604 (83%)	14,317 (17%)

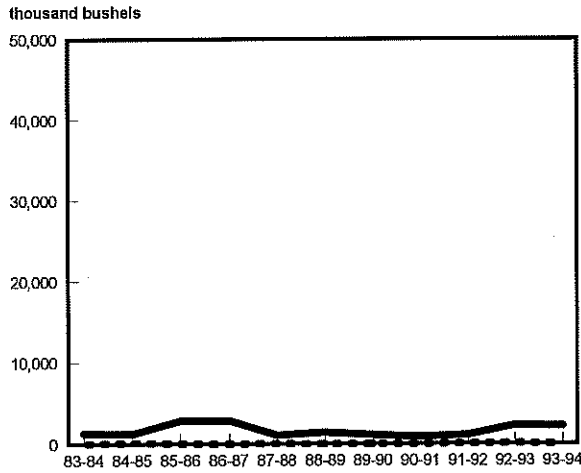
**DURUM TO MINNEAPOLIS  
1983-84 to 1993-94**



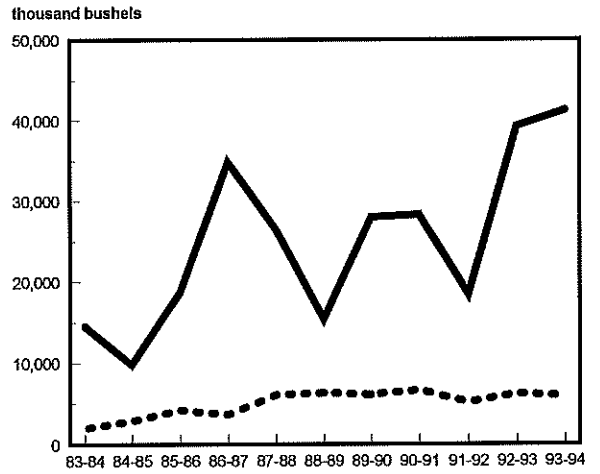
**DURUM TO DULUTH-SUPERIOR  
1983-84 to 1993-94**



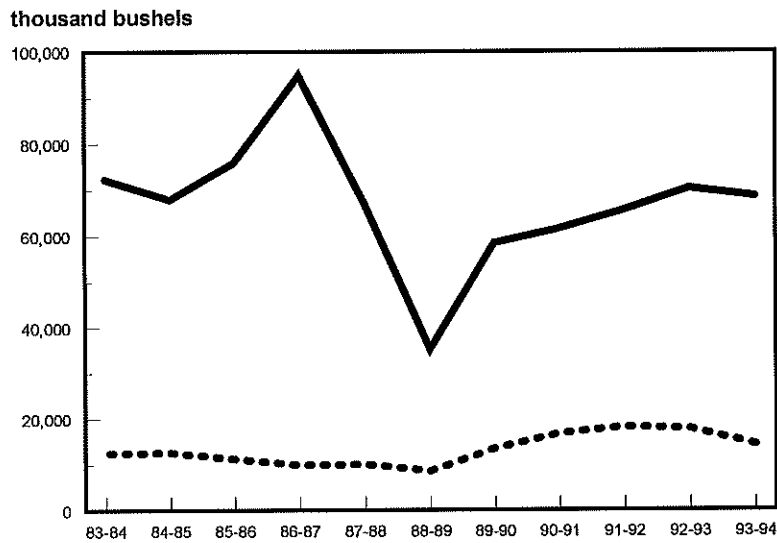
**DURUM TO WEST  
1983-84 to 1993-94**



**DURUM TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**



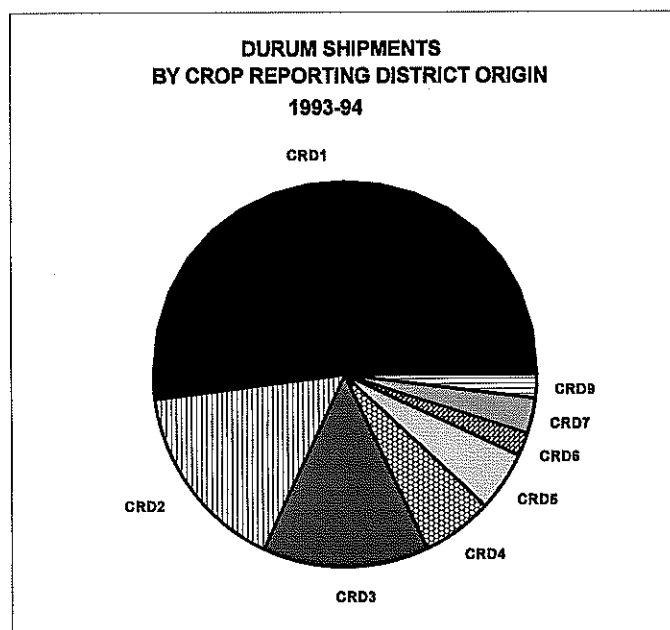
**DURUM SHIPMENTS  
1983-84 to 1993-94**



Rail Truck

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

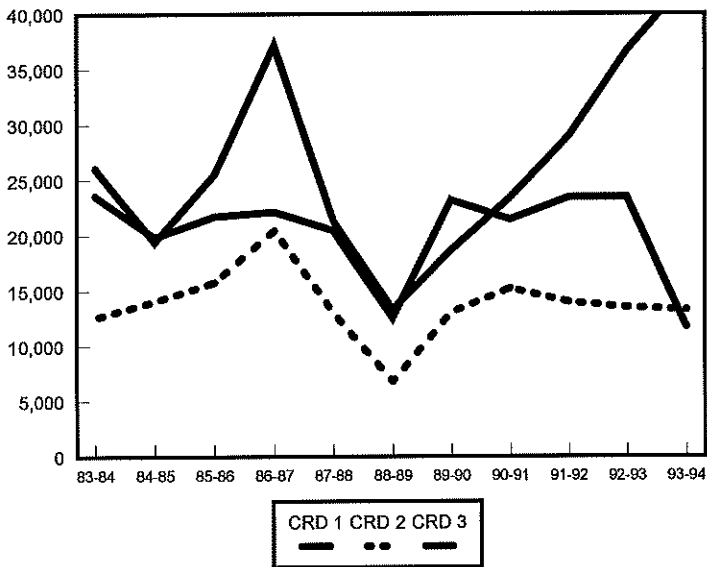
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	26,080 (31%)	12,612 (15%)	23,621 (28%)	4,405 (5%)	7,531 (9%)	3,644 (4%)	3,349 (4%)	629 (1%)	3,070 (4%)	84,941 (100%)
1984-85	19,441 (24%)	14,079 (17%)	19,872 (25%)	4,423 (5%)	9,092 (11%)	5,115 (6%)	3,341 (4%)	795 (1%)	4,511 (6%)	80,670 (100%)
1985-86	25,555 (29%)	15,786 (18%)	21,760 (25%)	5,956 (7%)	6,383 (7%)	4,246 (5%)	2,192 (3%)	553 (1%)	4,915 (6%)	87,344 (100%)
1986-87	37,163 (35%)	20,465 (19%)	22,148 (21%)	7,038 (7%)	7,989 (7%)	3,536 (3%)	3,421 (3%)	505 (0%)	2,703 (3%)	104,968 (100%)
1987-88	21,414 (28%)	13,049 (17%)	20,479 (26%)	3,272 (4%)	6,993 (9%)	3,455 (4%)	3,552 (5%)	472 (1%)	4,707 (6%)	77,393 (100%)
1988-89	13,346 (30%)	6,820 (16%)	12,607 (29%)	1,671 (4%)	2,919 (7%)	2,596 (6%)	1,394 (3%)	229 (1%)	2,320 (5%)	43,902 (100%)
1989-90	18,690 (26%)	13,063 (18%)	23,198 (32%)	4,035 (6%)	4,013 (5%)	2,703 (4%)	2,991 (4%)	478 (1%)	2,832 (4%)	72,003 (100%)
1990-91	23,441 (30%)	15,241 (19%)	21,489 (27%)	4,446 (6%)	5,039 (6%)	3,641 (5%)	2,008 (3%)	175 (0%)	2,829 (4%)	78,309 (100%)
1991-92	28,978 (35%)	14,003 (17%)	23,461 (28%)	5,114 (6%)	4,269 (5%)	3,485 (4%)	1,874 (2%)	193 (0%)	2,445 (3%)	83,827 (100%)
1992-93	36,683 (42%)	13,516 (15%)	23,491 (27%)	5,136 (6%)	3,547 (4%)	2,012 (2%)	1,711 (2%)	430 (0%)	1,551 (2%)	88,080 (100%)
1993-94	42,796 (52%)	13,255 (16%)	11,754 (14%)	4,669 (6%)	4,270 (5%)	1,720 (2%)	2,661 (3%)	225 (0%)	1,570 (2%)	82,921 (100%)



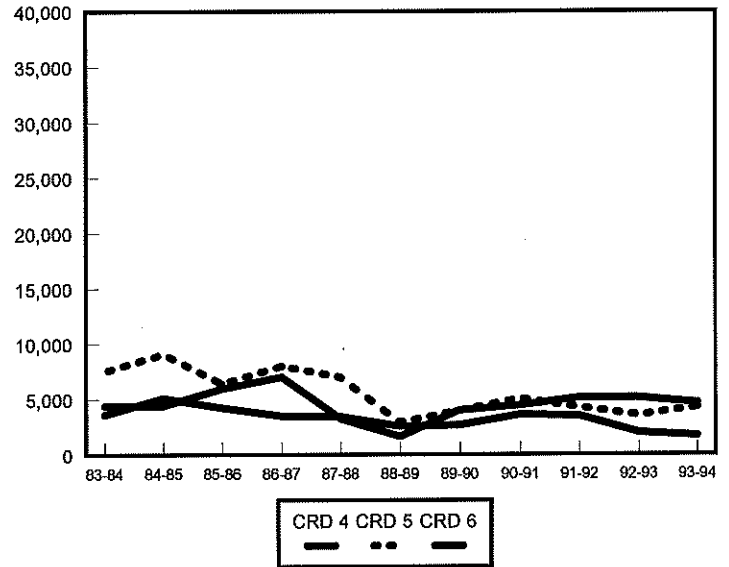


# DURUM SHIPMENTS BY CROP REPORTING DISTRICT

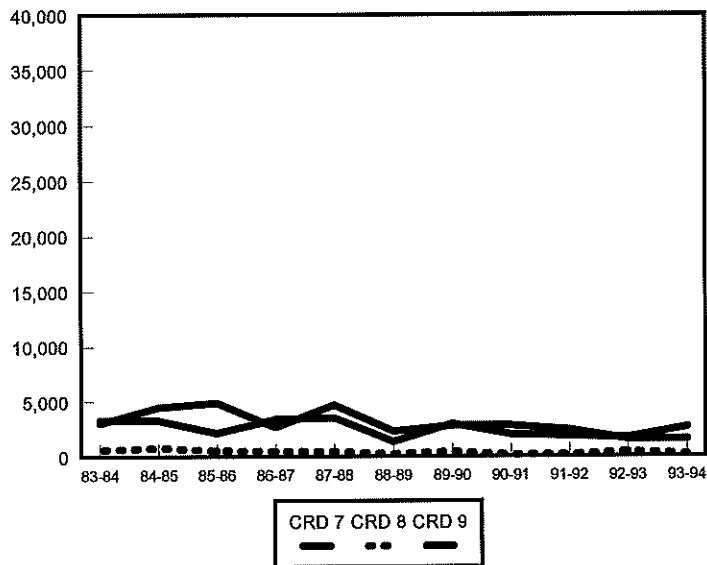
BY NORTHERN CROP REPORTING DISTRICTS  
(thousand bushels)

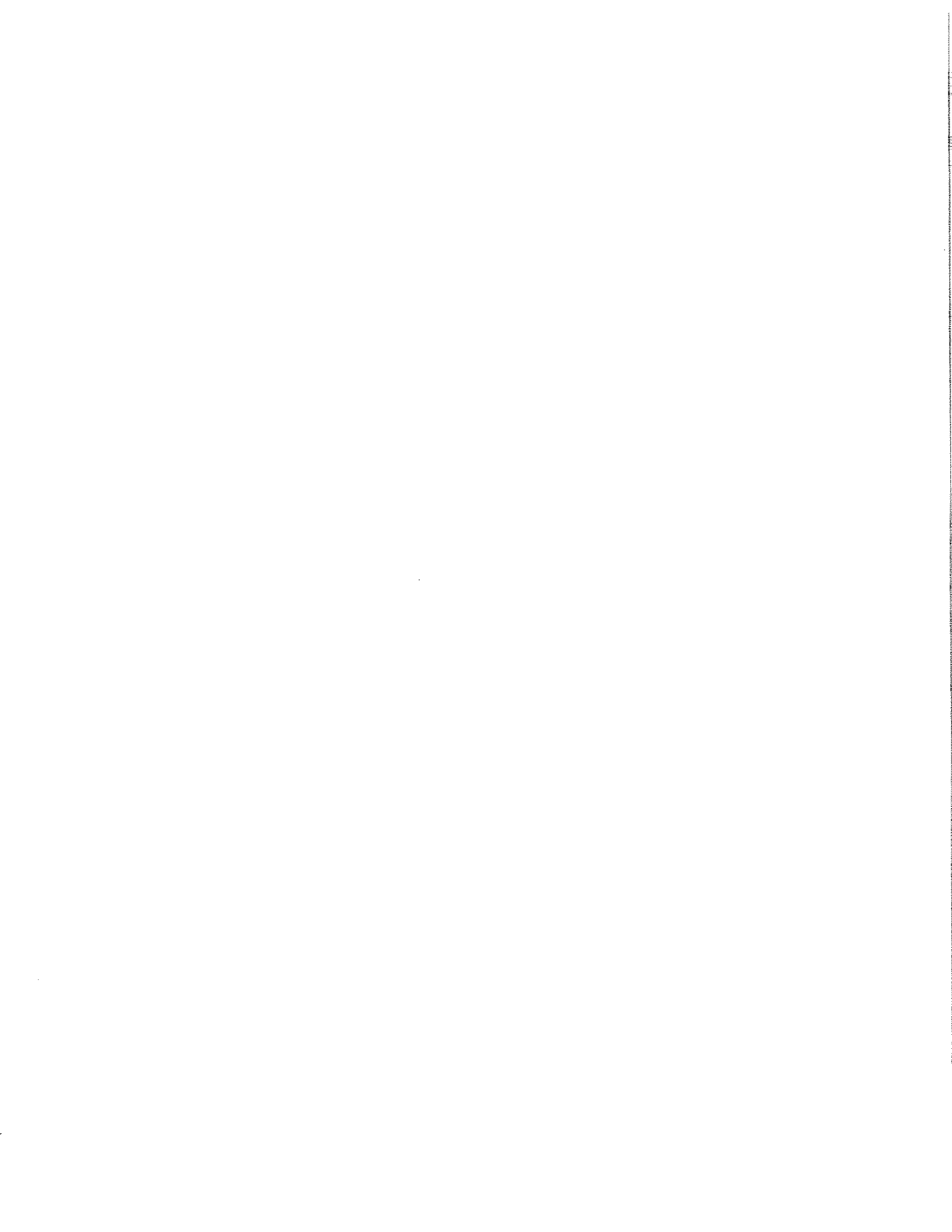


BY CENTRAL CROP REPORTING DISTRICTS  
(thousand bushels)



SOUTHERN CROP REPORTING DISTRICTS  
(thousand bushels)





---

***BARLEY  
SHIPMENTS***

---

**NORTH DAKOTA BARLEY SHIPMENTS  
BY DESTINATION  
(thousand bu.)**

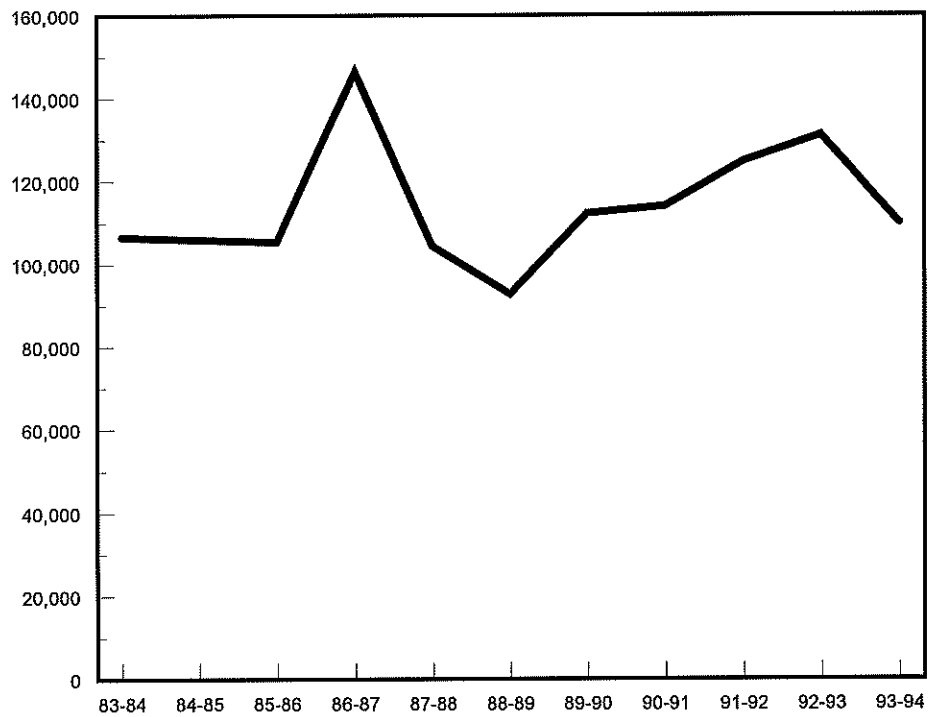
YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	MIDLAND/ SOUTHWEST	MISC. MARKETS	TOTAL
1983-84	21,394 (20%)	38,578 (36%)	-	-	106,645 (100%)
1984-85	22,827 (22%)	26,665 (25%)	-	-	106,030 (100%)
1985-86	20,434 (19%)	8,175 (8%)	- <sup>a</sup>	- <sup>a</sup>	105,436 (100%)
1986-87	29,521 (20%)	10,136 (7%)	19,154 (13%)	87,531 (60%)	146,342 (100%)
1987-88	27,230 (26%)	16,112 (15%)	16,203 (16%)	44,854 (43%)	104,399 (100%)
1988-89	22,691 (24%)	9,735 (11%)	12,486 (13%)	47,803 (52%)	92,715 (100%)
1989-90	23,464 (21%)	22,893 (20%)	19,061 (17%)	46,838 (42%)	112,256 (100%)
1990-91	24,174 (21%)	14,200 (12%)	20,482 (18%)	55,190 (48%)	114,046 (100%)
1991-92	28,184 (23%)	19,398 (16%)	22,430 (17%)	54,740 (44%)	124,755 (100%)
1992-93	29,461 (23%)	20,799 (16%)	18,724 (14%)	62,153 <sup>b</sup> (47%)	131,139 (100%)
1993-94	25,580 (23%)	16,257 (15%)	18,105 (16%)	49,991 (46%)	109,935 (100%)

<sup>a</sup>Not available prior to 1986-87.

<sup>b</sup>Miscellaneous markets include shipments to Pacific Northwest destinations (8%), other Minnesota/Wisconsin destinations (9%), North Dakota destinations, and all other markets (29%).

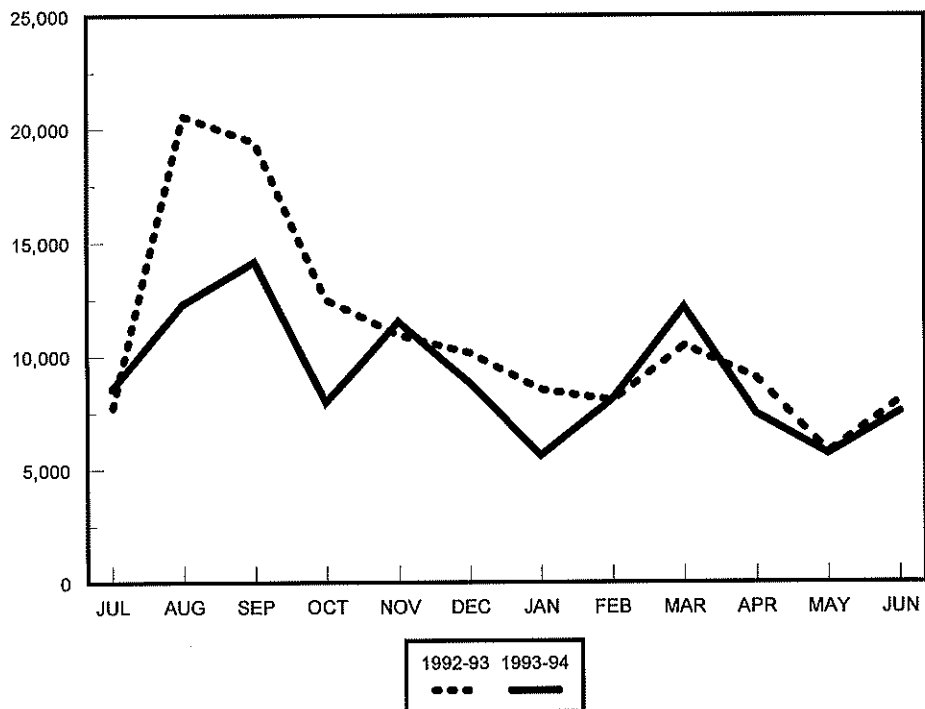
## BARLEY SHIPMENTS 1983-84 to 1993-94

thousand bushels



## BARLEY SHIPMENTS BY MONTH, 1992-93 TO 1993-94

thousand bushels

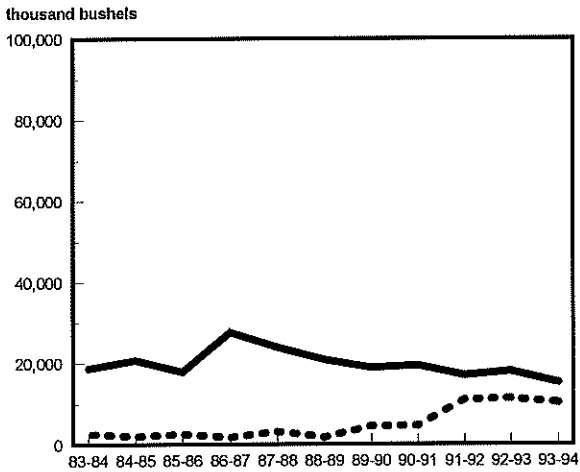


**NORTH DAKOTA BARLEY SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

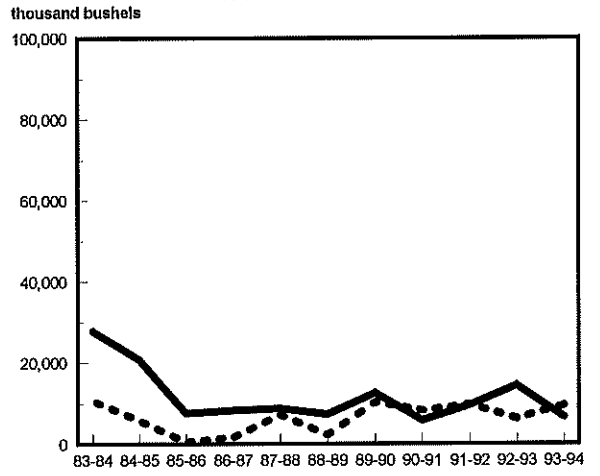
YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		MIDLAND/ SOUTHWEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1983-84	18,763 (88%)	2,631 (12%)	27,896 (72%)	10,682 (28%)	-	-	-	-	87,225 (82%)	19,420 (18%)
1984-85	20,821 (91%)	2,006 (9%)	20,822 (78%)	5,843 (22%)	-	-	-	-	87,901 (83%)	18,128 (17%)
1985-86	17,888 (88%)	2,546 (12%)	7,610 (93%)	565 (7%)	-	-	-	<sup>a</sup>	91,717 (87%)	13,719 (13%)
1986-87	27,731 (94%)	1,789 (6%)	8,429 (83%)	1,707 (17%)	17,858 (93%)	1,296 (7%)	82,176 (94%)	5,356 (6%)	136,194 (93%)	10,148 (7%)
1987-88	23,958 (88%)	3,272 (12%)	8,827 (55%)	7,285 (45%)	15,522 (96%)	681 (4%)	35,271 (79%)	9,583 (21%)	83,548 (80%)	20,851 (20%)
1988-89	20,908 (92%)	1,782 (8%)	7,395 (76%)	2,340 (24%)	11,566 (93%)	920 (7%)	36,599 (77%)	11,204 (23%)	76,467 (82%)	16,248 (18%)
1989-90	18,892 (81%)	4,572 (19%)	12,603 (55%)	10,290 (45%)	17,919 (94%)	1,142 (6%)	35,370 (76%)	11,468 (24%)	84,784 (76%)	27,472 (24%)
1990-91	19,533 (81%)	4,641 (19%)	5,969 (42%)	8,231 (58%)	19,678 (96%)	804 (4%)	45,005 (82%)	10,185 (18%)	90,185 (79%)	23,861 (21%)
1991-92	17,098 (61%)	11,085 (39%)	9,599 (49%)	9,798 (51%)	21,710 (97%)	719 (3%)	38,878 (71%)	15,860 (29%)	87,290 (70%)	37,465 (30%)
1992-93	18,070 (61%)	11,391 (39%)	14,468 (70%)	6,331 (30%)	10,472 (97%)	327 (3%)	50,921 (73%)	19,159 (27%)	93,931 (72%)	37,208 (28%)
1993-94	15,293 (60%)	10,287 (40%)	6,705 (41%)	9,551 (59%)	17,208 (95%)	897 (5%)	35,239 (70%)	14,754 (30%)	74,445 (68%)	35,490 (32%)

<sup>a</sup>Before 1986-87, Midland/Southwest shipments were included in Miscellaneous Markets.

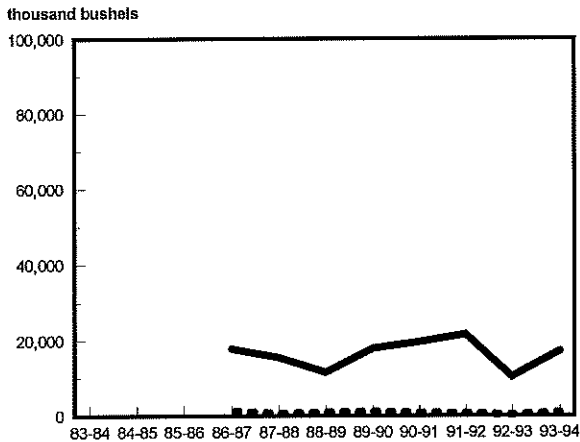
**BARLEY TO MINNEAPOLIS  
1983-84 to 1993-94**



**BARLEY TO DULUTH-SUPERIOR  
1983-84 to 1993-94**

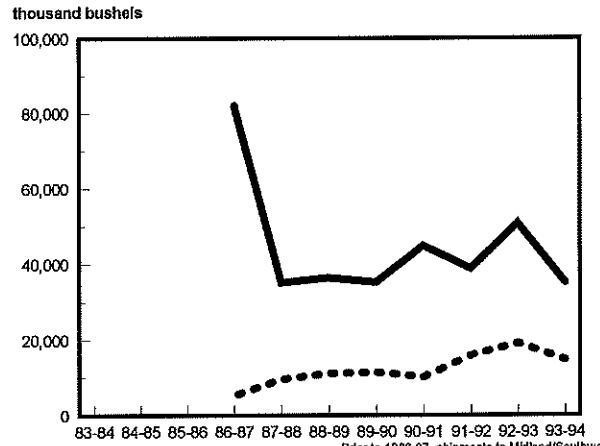


**BARLEY TO WEST  
1983-84 to 1993-94**



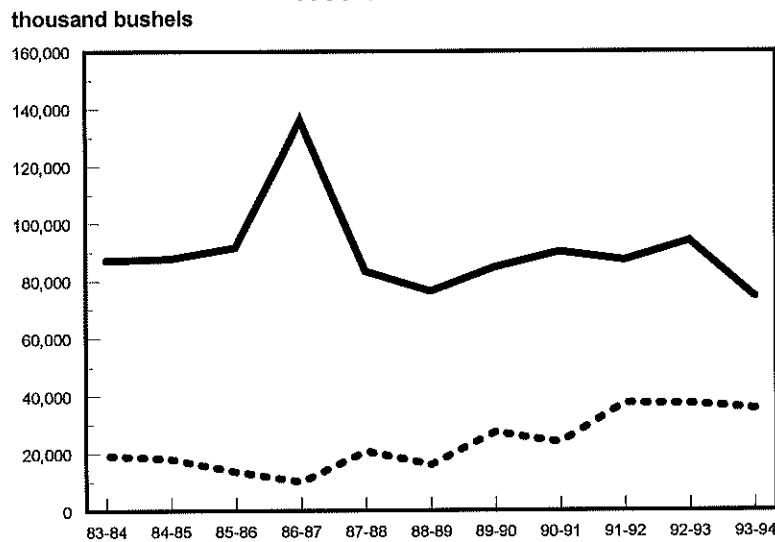
Prior to 1986-87, shipments to Midland/Southwest destinations were included in Miscellaneous

**BARLEY TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**



Prior to 1986-87, shipments to Midland/Southwest destinations were included in Miscellaneous

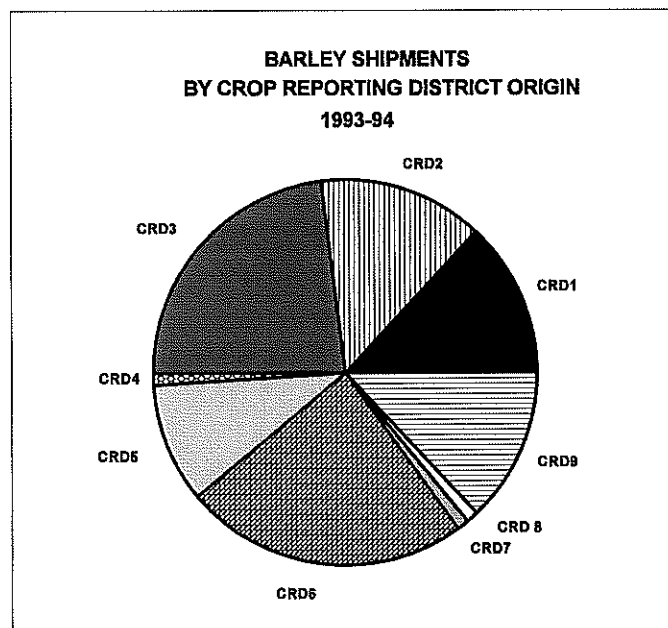
**BARLEY SHIPMENTS  
1983-84 to 1993-94**



Rail Truck  
—    - - -

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

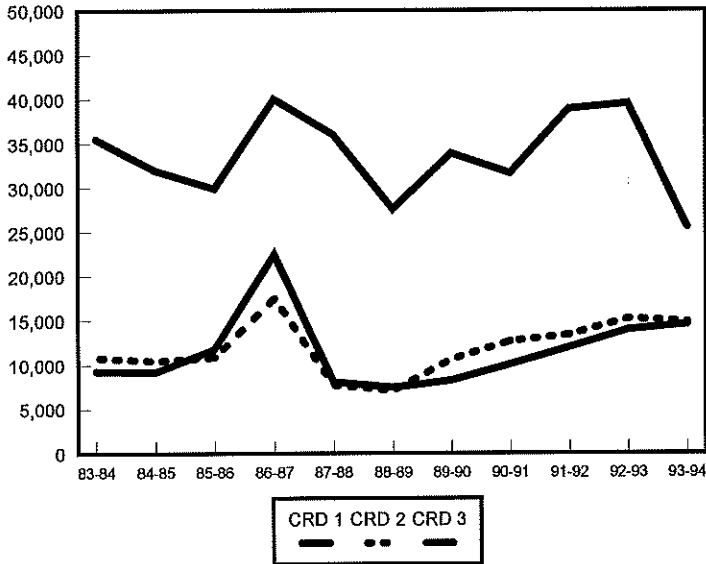
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	9,304 (9%)	10,838 (10%)	35,568 (33%)	612 (1%)	8,891 (8%)	30,281 (28%)	1,125 (1%)	672 (1%)	9,354 (9%)	106,645 (100%)
1984-85	9,245 (9%)	10,420 (10%)	32,002 (30%)	692 (1%)	8,587 (8%)	29,904 (28%)	1,386 (1%)	1,006 (1%)	12,789 (12%)	106,030 (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%)	33,838 (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 (0%)	10,210 (9%)	112,256 (100%)
1990-91	10,057 (9%)	12,675 (11%)	31,650 (28%)	756 (1%)	7,936 (7%)	39,682 (35%)	117 (0%)	187 (0%)	10,986 (10%)	114,046 (100%)
1991-92	12,025 (10%)	13,402 (11%)	38,945 (31%)	1,088 (1%)	10,569 (8%)	37,116 (30%)	794 (1%)	531 (0%)	10,281 (8%)	124,755 (100%)
1992-93	13,966 (11%)	15,193 (12%)	39,522 (30%)	1,762 (1%)	9,106 (7%)	36,618 (28%)	883 (1%)	1,084 (1%)	13,000 (10%)	131,138 (100%)
1993-94	14,600 (13%)	14,854 (14%)	25,579 (23%)	1,308 (1%)	10,867 (10%)	26,844 (24%)	847 (1%)	930 (1%)	14,105 (13%)	109,935 (100%)



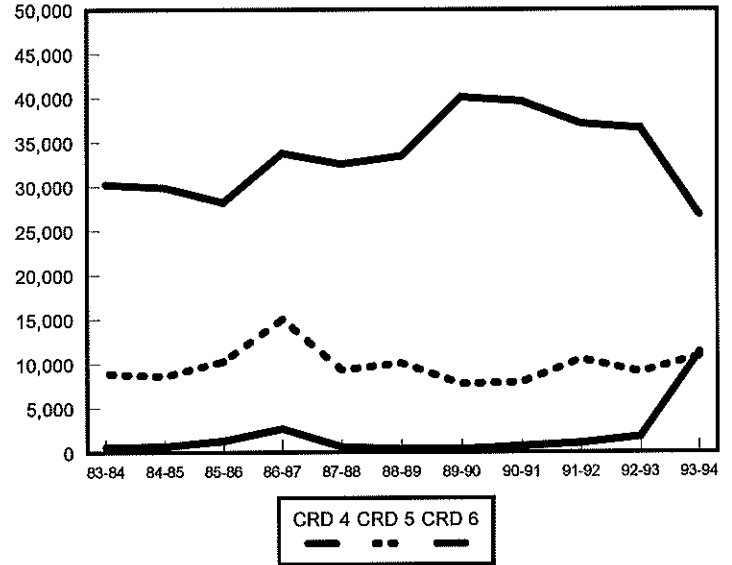


# BARLEY SHIPMENTS BY CROP REPORTING DISTRICT

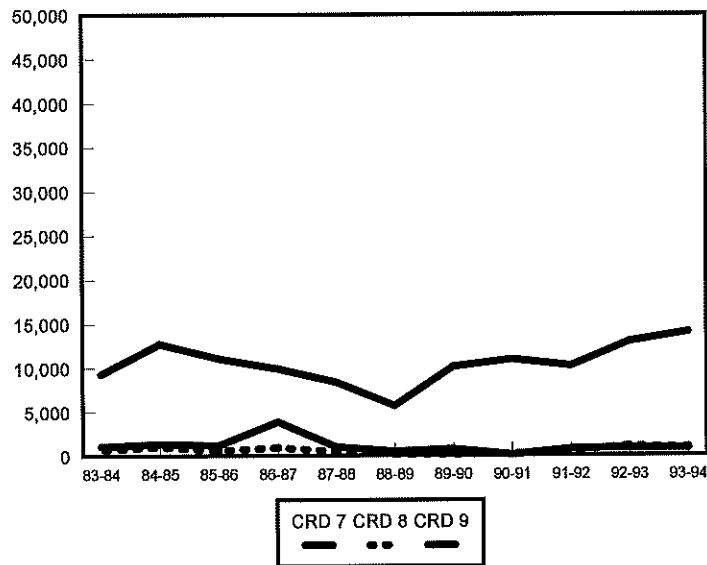
BY NORTHERN CROP REPORTING DISTRICTS  
(thousand bushels)

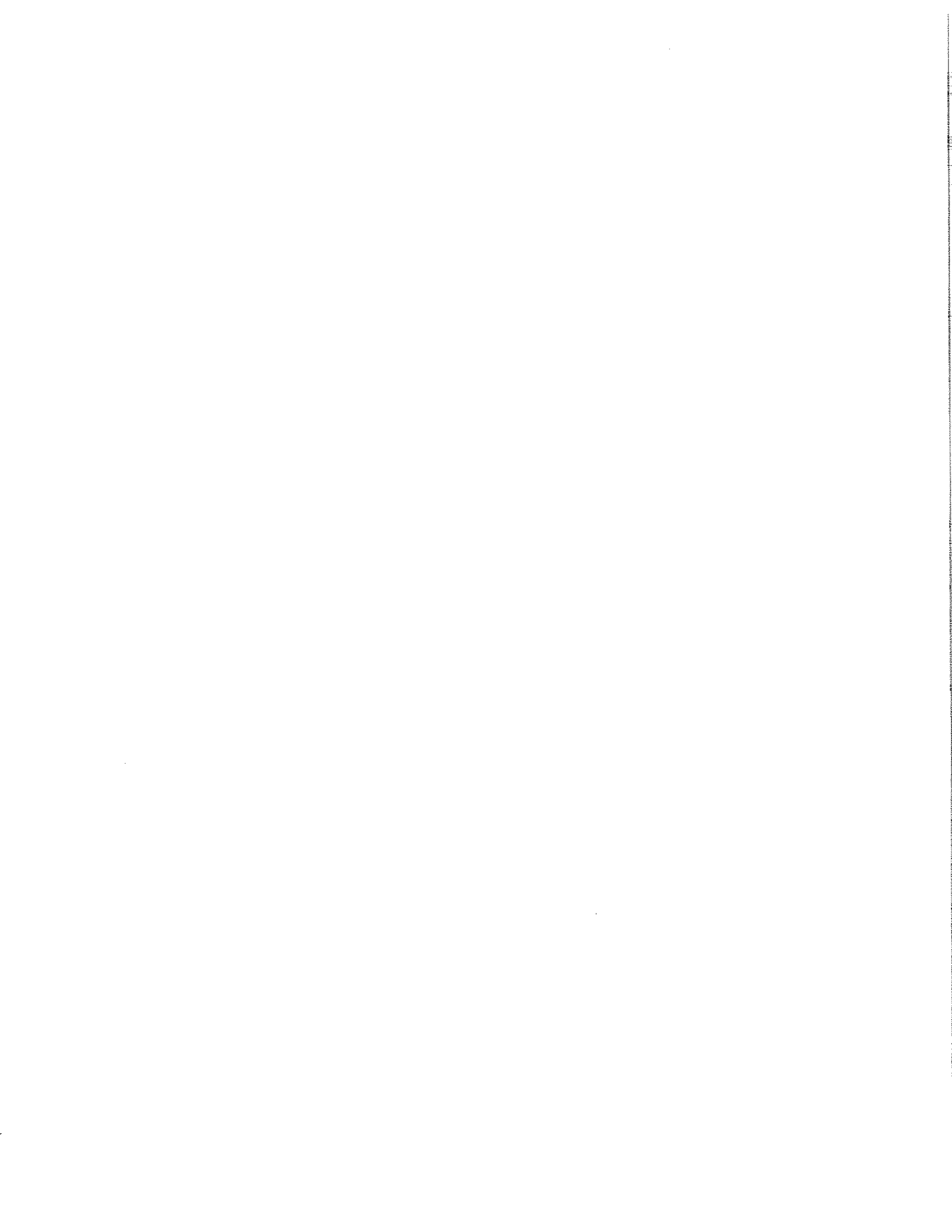


BY CENTRAL CROP REPORTING DISTRICTS  
(thousand bushels)



SOUTHERN CROP REPORTING DISTRICTS  
(thousand bushels)





---

***SUNFLOWER  
SHIPMENTS***

---

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

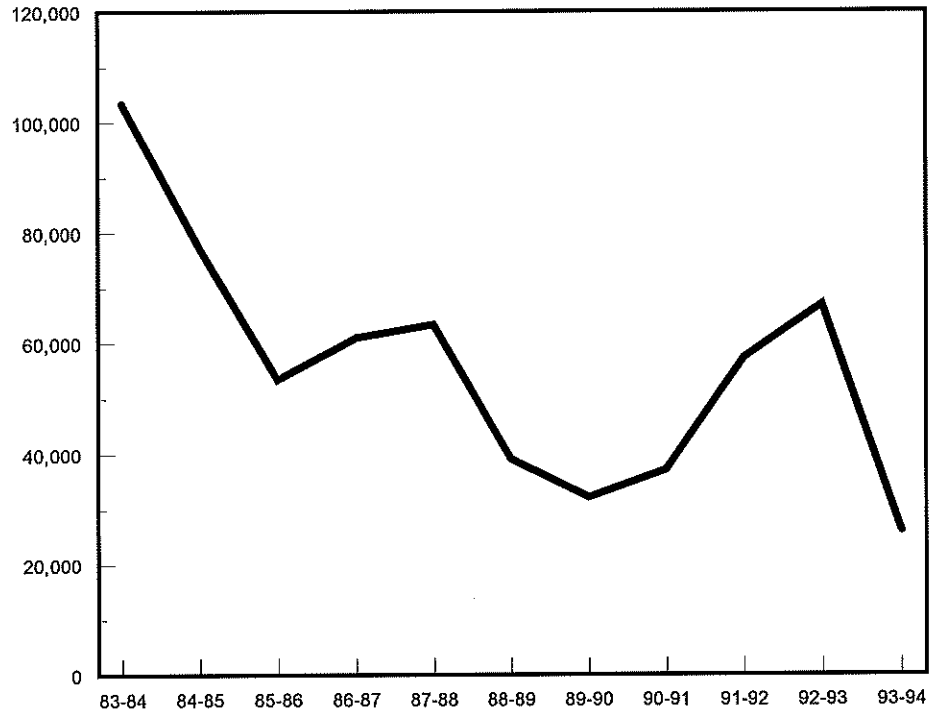
YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	NORTH DAKOTA	MISC. MARKETS	TOTAL
1983-84	11,741 (11%)	40,560 (39%)	- - <sup>a</sup>	51,147 (49%)	103,449 (100%)
1984-85	5,636 (7%)	42,875 (55%)	12,931 (17%)	15,969 (21%)	77,412 (100%)
1985-86	3,623 (7%)	12,659 (24%)	27,393 (51%)	9,866 (18%)	53,541 (100%)
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 (27%)	32,174 (100%)
1990-91	4,264 (11%)	716 (2%)	20,866 (56%)	11,240 (30%)	37,086 (100%)
1991-92	4,050 (7%)	1,157 (2%)	33,428 (58%)	18,720 (33%)	57,364 (100%)
1992-93	4,367 (7%)	845 (1%)	47,059 (70%)	14,964 (22%)	66,965 (100%)
1993-94	1,992 (9%)	38 (1%)	16,507 (64%)	6,520 <sup>b</sup> (26%)	26,017 (100%)

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

<sup>b</sup>Miscellaneous markets for sunflower in 1993-94 include Other Minnesota and Wisconsin destinations (1%), Midland/Southwest markets (3%), Pacific Northwest destinations (1%), and all other markets (21%).

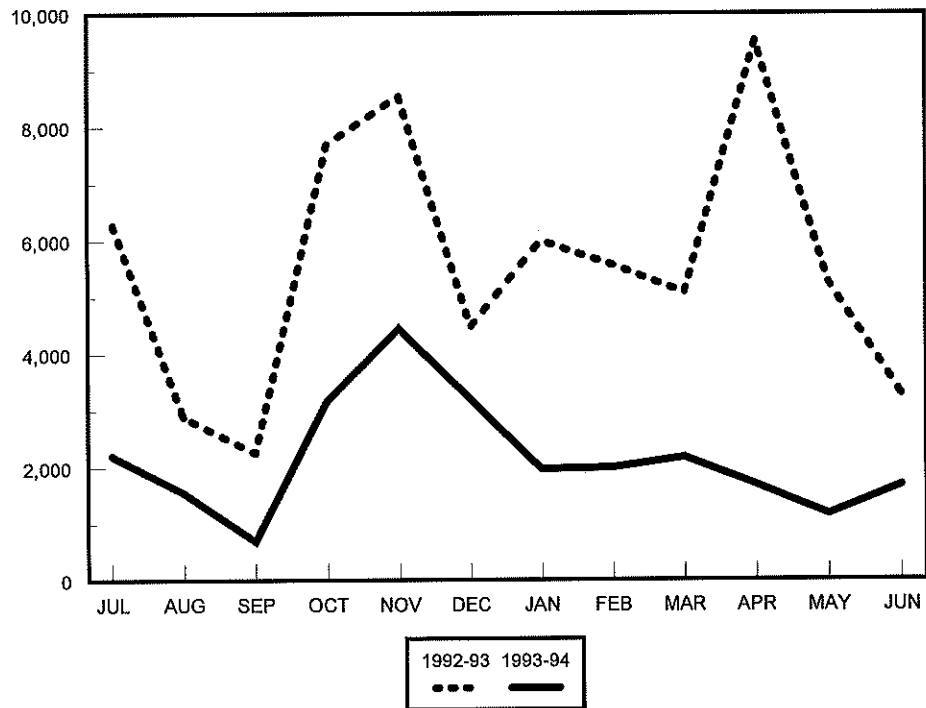
## SUNFLOWER SHIPMENTS 1983-84 to 1993-94

thousand bushels



## SUNFLOWER SHIPMENTS BY MONTH, 1992-93 TO 1993-94

thousand bushels

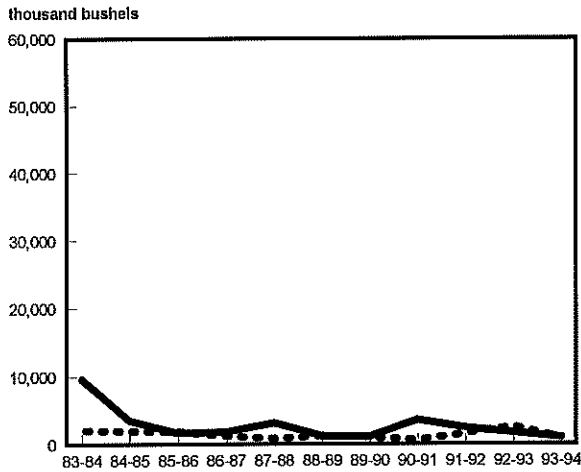


**NORTH DAKOTA SUNFLOWER SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

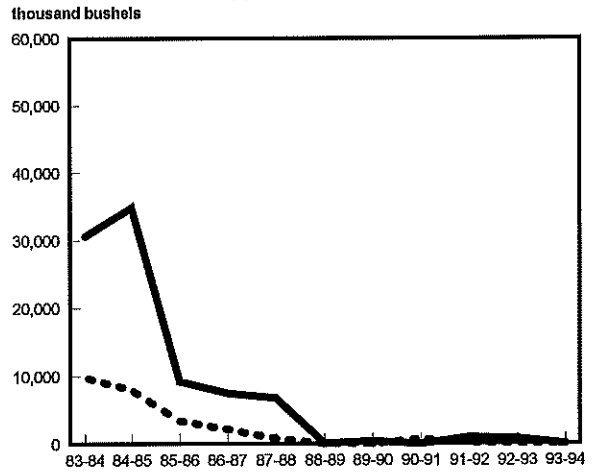
YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		NORTH DAKOTA		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1983-84	9,650 (82%)	2,090 (18%)	30,672 (76%)	9,888 (24%)	-	<sup>a</sup>	25,385 (50%)	25,762 (50%)	65,708 (64%)	37,742 (36%)
1984-85	3,617 (64%)	2,019 (36%)	34,912 (81%)	7,963 (19%)	1,442 (31%)	3,217 (69%)	8,646 (54%)	7,323 (46%)	48,618 (63%)	28,793 (37%)
1985-86	1,690 (47%)	1,932 (53%)	9,286 (73%)	3,373 (27%)	7,343 (27%)	20,050 (73%)	4,291 (43%)	5,575 (57%)	22,610 (42%)	30,931 (58%)
1986-87	1,925 (61%)	1,217 (39%)	7,521 (77%)	2,185 (23%)	4,850 (13%)	33,280 (87%)	4,805 (48%)	5,283 (52%)	19,101 (31%)	41,965 (65%)
1987-88	3,214 (79%)	871 (21%)	6,842 (90%)	787 (10%)	9,540 (30%)	22,613 (70%)	10,730 (55%)	8,821 (45%)	30,327 (48%)	33,092 (52%)
1988-89	1,227 (49%)	1,269 (51%)	70 (67%)	35 (33%)	4,306 (21%)	16,529 (79%)	6,942 (44%)	8,678 (56%)	12,545 (32%)	26,510 (68%)
1989-90	1,159 (52%)	1,060 (48%)	420 (97%)	13 (3%)	4,750 (23%)	16,214 (77%)	2,041 (24%)	6,517 (76%)	8,370 (26%)	23,804 (74%)
1990-91	3,653 (86%)	610 (14%)	0 (0%)	716 (100%)	4,875 (23%)	15,991 (77%)	4,843 (43%)	6,398 (57%)	13,371 (36%)	23,715 (64%)
1991-92	2,464 (61%)	1,582 (39%)	1,010 (87%)	146 (13%)	4,421 (13%)	29,007 (87%)	8,648 (46%)	10,065 (54%)	16,553 (29%)	40,810 (71%)
1992-93	1,746 (40%)	2,621 (60%)	803 (95%)	42 (5%)	3,918 (8%)	43,141 (92%)	3,215 (21%)	11,478 (89%)	9,682 (14%)	57,283 (86%)
1993-94	1,027 (52%)	965 (48%)	0 (0%)	38 (100%)	1,012 (6%)	15,494 (94%)	950 (15%)	5,570 (86%)	3,125 (12%)	22,891 (88%)

<sup>a</sup>Prior to the 1984-85 crop year, shipments to North Dakota processors and feedlots were reported under "Miscellaneous" shipments.

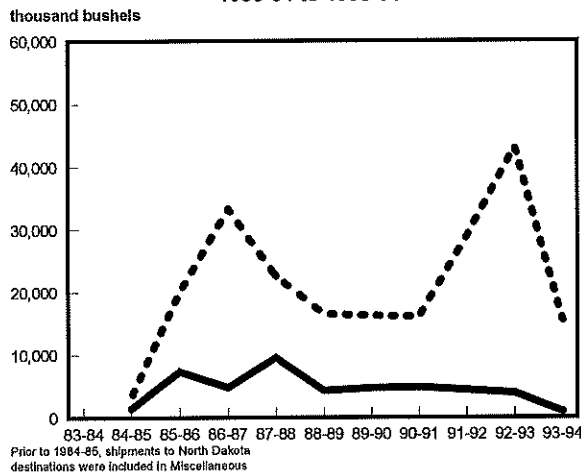
**SUNFLOWER TO MINNEAPOLIS  
1983-84 to 1993-94**



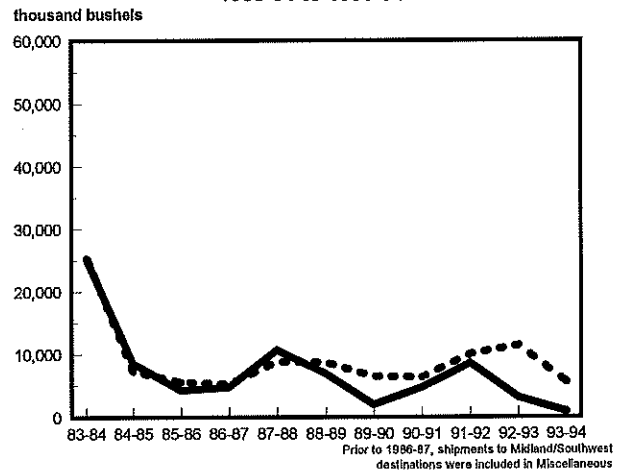
**SUNFLOWER TO DULUTH-SUPERIOR  
1983-84 to 1993-94**



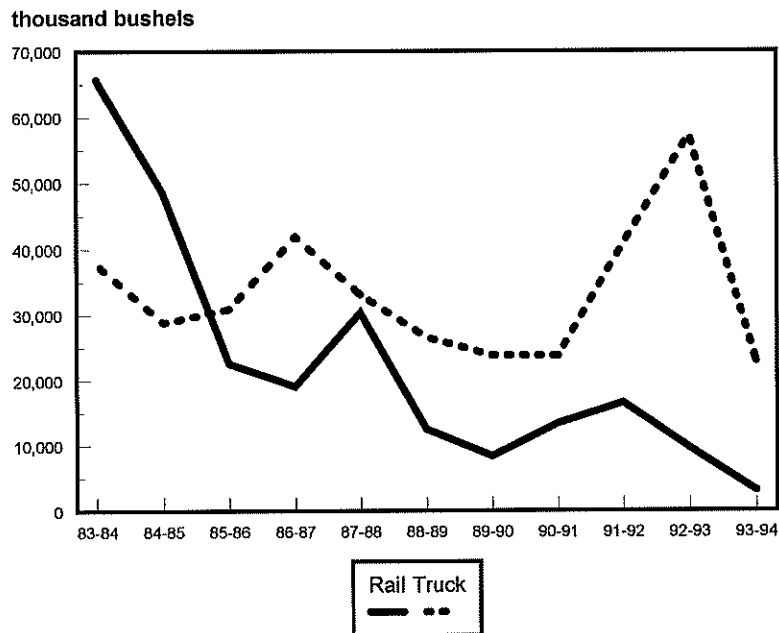
**SUNFLOWER TO NORTH DAKOTA  
1983-84 to 1993-94**



**SUNFLOWER TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**

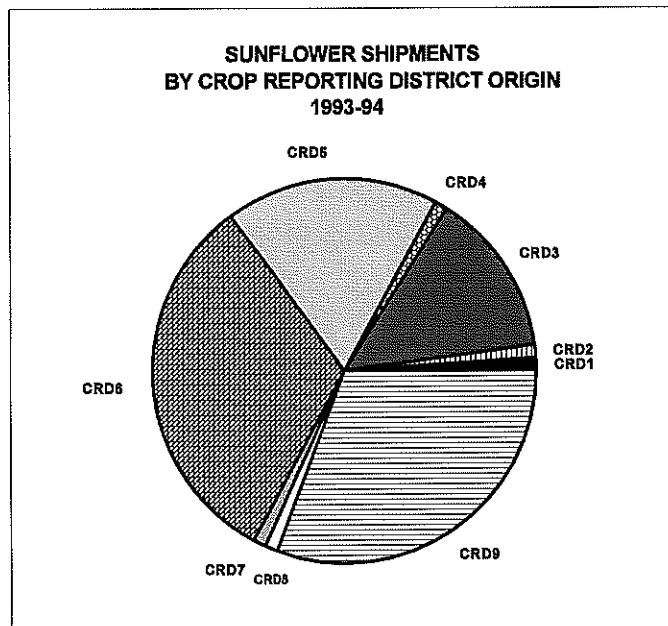


**SUNFLOWER SHIPMENTS  
1983-84 to 1993-94**



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

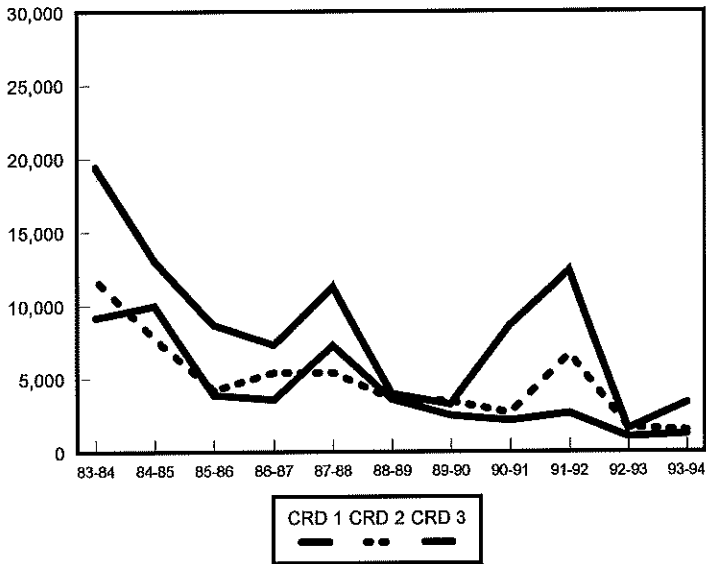
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	9,188 (9%)	11,780 (11%)	19,429 (19%)	4,037 (4%)	20,200 (20%)	20,522 (20%)	3,023 (3%)	2,604 (3%)	12,666 (12%)	103,449 (100%)
1984-85	10,002 (13%)	7,761 (10%)	13,053 (17%)	3,701 (5%)	13,962 (18%)	12,943 (17%)	3,573 (5%)	2,277 (3%)	10,140 (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%)
1990-91	2,146 (6%)	2,648 (7%)	8,634 (23%)	1,357 (4%)	6,893 (19%)	7,900 (21%)	118 (0%)	291 (1%)	7,099 (19%)	37,086 (100%)
1991-92	2,635 (5%)	6,689 (12%)	12,414 (22%)	385 (1%)	13,507 (23%)	11,307 (19%)	78 (0%)	185 (0%)	10,142 (18%)	57,364 (100%)
1992-93	1,033 (6%)	1,681 (9%)	1,571 (8%)	520 (2%)	5,216 (28%)	5,191 (28%)	29 (0%)	53 (0%)	3,451 (18%)	18,750 (100%)
1993-94	1,223 (1%)	1,443 (1%)	3,333 (13%)	81 (1%)	4,339 (17%)	7,873 (30%)	59 (1%)	79 (1%)	7,586 (29%)	26,017 (100%)



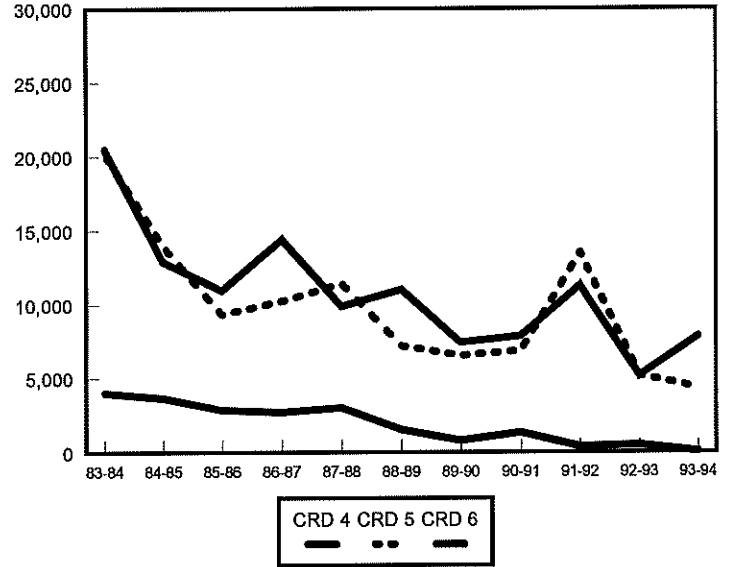


# SUNFLOWER SHIPMENTS BY CROP REPORTING DISTRICT

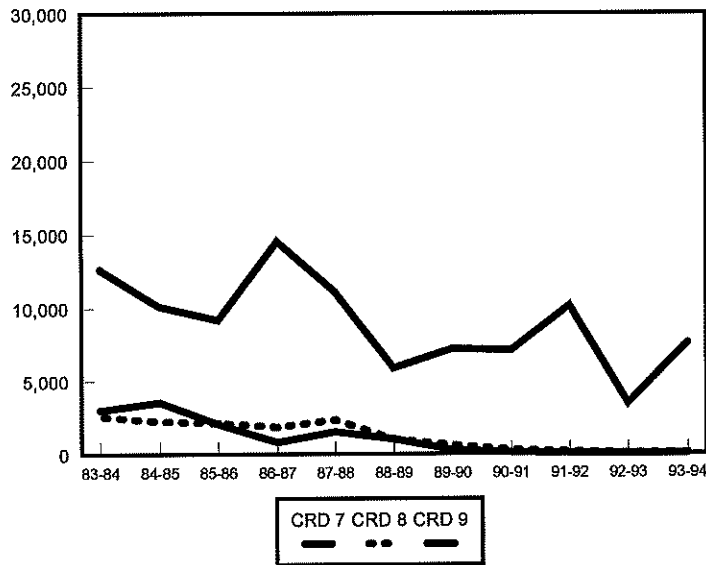
BY NORTHERN CROP REPORTING DISTRICTS  
(thousand bushels)

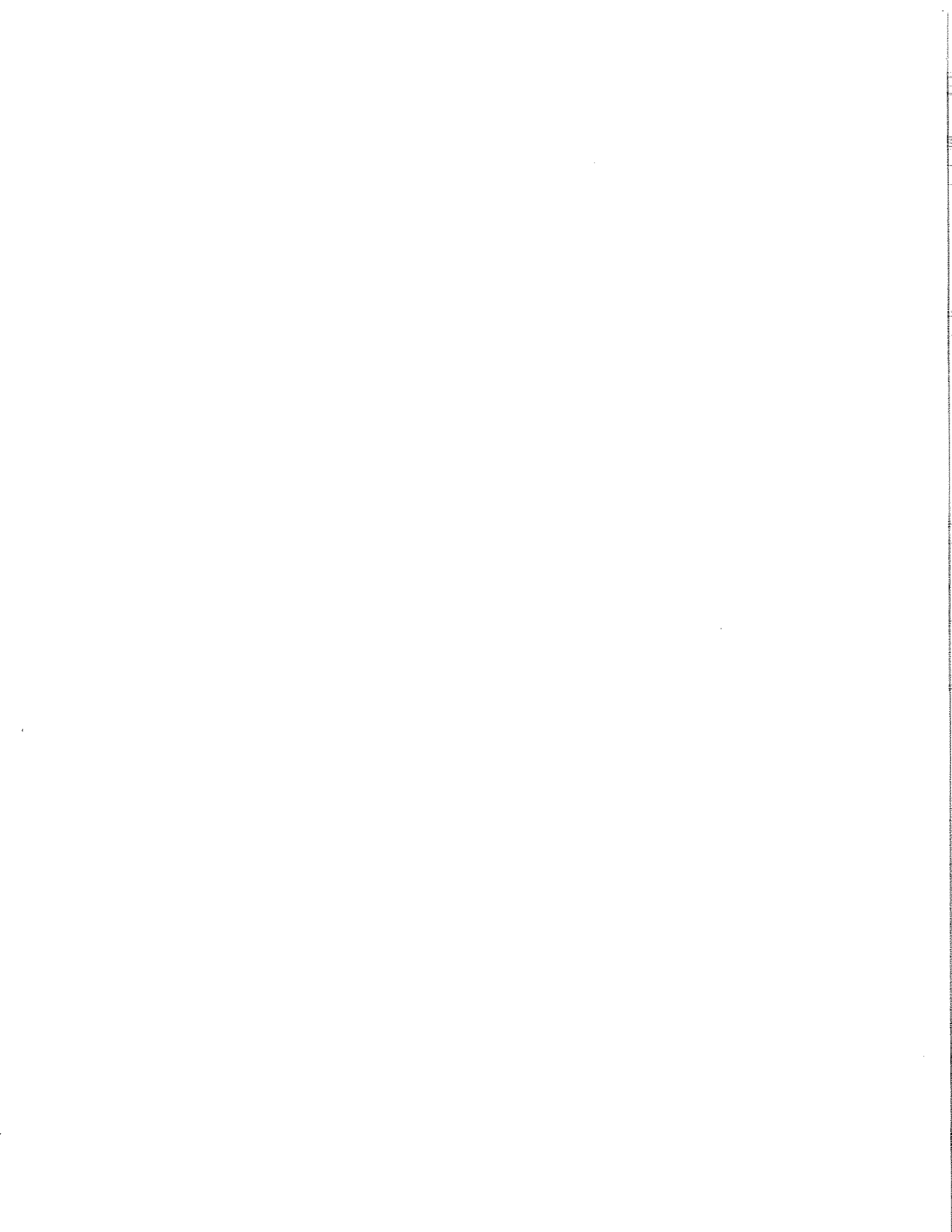


BY CENTRAL CROP REPORTING DISTRICTS  
(thousand bushels)



SOUTHERN CROP REPORTING DISTRICTS  
(thousand bushels)





---

***OATS  
SHIPMENTS***

---

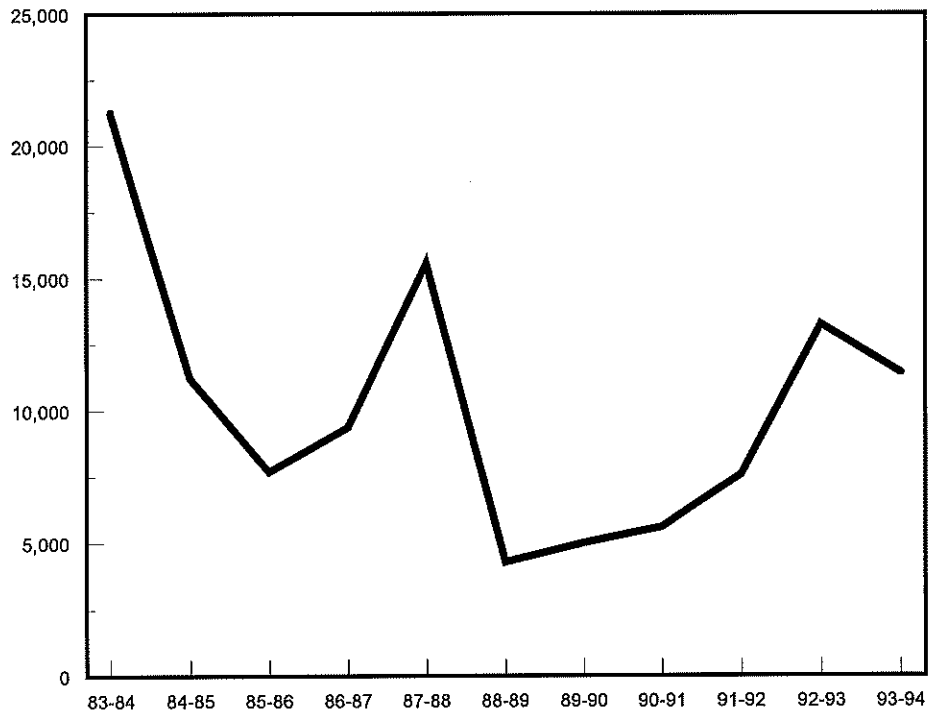
**NORTH DAKOTA OATS SHIPMENTS  
BY DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
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 (36%)	5,015 (100%)
1990-91	2,496 (45%)	45 (1%)	316 (6%)	2,744 (49%)	5,601 (100%)
1991-92	4,518 (59%)	146 (2%)	181 (2%)	2,754 (37%)	7,601 (100%)
1992-93	5,468 (41%)	284 (0%)	270 (2%)	7,505 <sup>a</sup> (57%)	13,272 (100%)
1993-94	6,361 (56%)	206 (2%)	47 (0%)	4,812 (42%)	11,427 (100%)

<sup>a</sup>Miscellaneous markets include shipments to North Dakota destinations (2%), Midland/Southwest destinations (17%), other Minnesota/Wisconsin destinations (6%), and all other markets (16%).

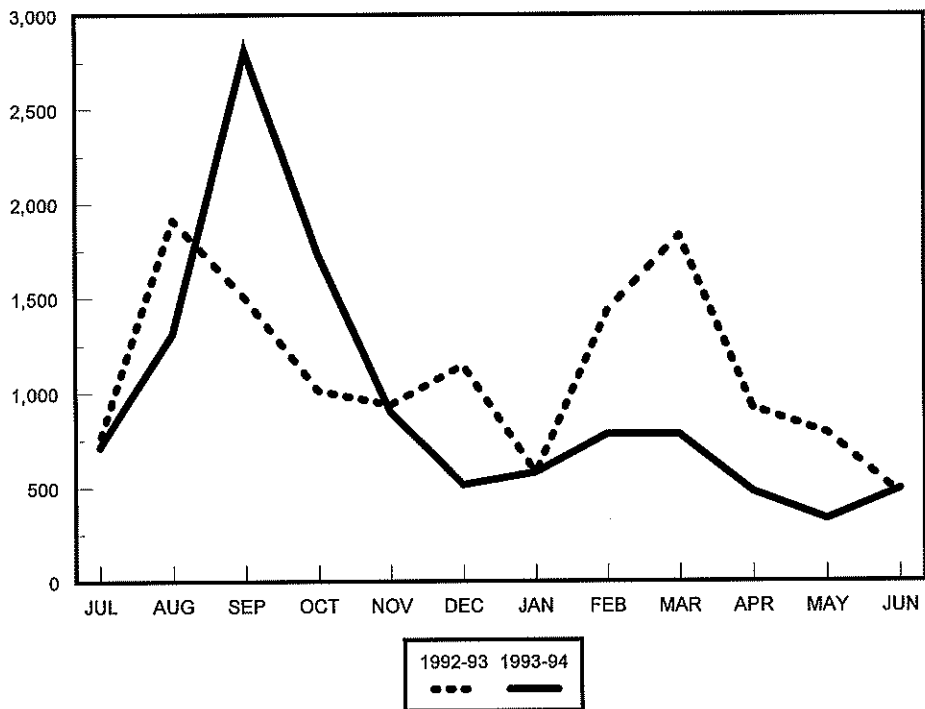
## OATS SHIPMENTS 1983-84 to 1993-94

thousand bushels



## OATS SHIPMENTS BY MONTH, 1992-93 TO 1993-94

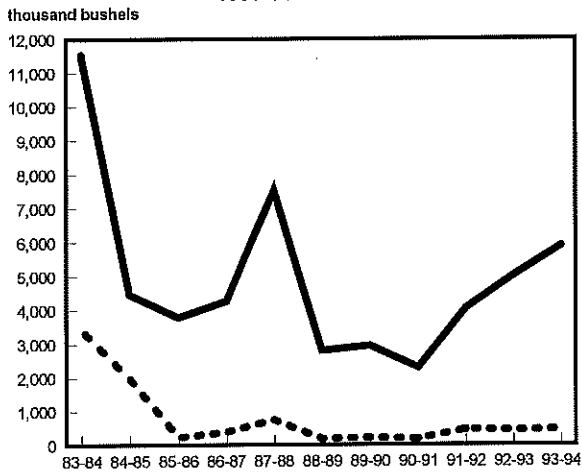
thousand bushels



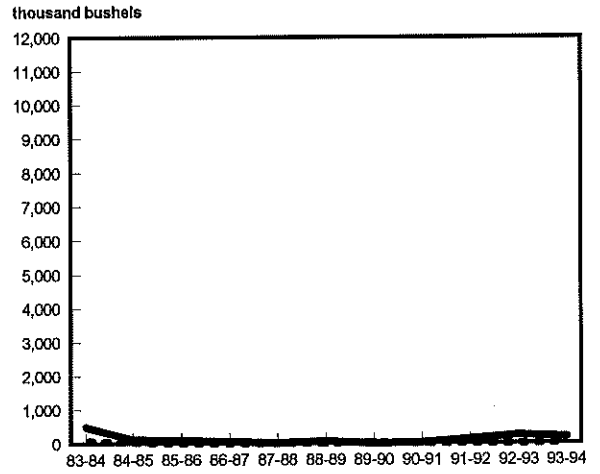
**NORTH DAKOTA OATS SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1983-84	11,547 (77%)	3,436 (23%)	503 (85%)	86 (15%)	99 (25%)	301 (75%)	2,645 (50%)	2,643 (50%)	14,794 (70%)	6,466 (30%)
1984-85	4,481 (69%)	1,986 (31%)	137 (83%)	29 (17%)	30 (7%)	407 (93%)	1,406 (34%)	2,757 (66%)	6,054 (51%)	5,179 (49%)
1985-86	3,796 (94%)	233 (6%)	109 (95%)	6 (5%)	190 (44%)	241 (56%)	1,237 (40%)	1,894 (60%)	5,333 (69%)	2,373 (31%)
1986-87	4,287 (91%)	403 (9%)	73 (98%)	1 (2%)	55 (28%)	139 (72%)	2,659 (60%)	1,771 (40%)	7,074 (75%)	2,314 (25%)
1987-88	7,525 (91%)	747 (9%)	24 (96%)	1 (4%)	61 (64%)	35 (36%)	6,005 (84%)	1,178 (16%)	13,615 (87%)	1,961 (13%)
1988-89	2,810 (94%)	189 (6%)	82 (98%)	1 (2%)	8 (51%)	8 (49%)	736 (61%)	461 (39%)	3,637 (85%)	660 (15%)
1989-90	2,959 (93%)	220 (7%)	5 (13%)	31 (87%)	9 (73%)	3 (27%)	511 (29%)	1,277 (71%)	3,484 (69%)	1,531 (31%)
1990-91	2,306 (92%)	191 (8%)	36 (80%)	9 (20%)	240 (76%)	75 (24%)	924 (34%)	1,820 (66%)	3,506 (63%)	2,095 (37%)
1991-92	4,055 (90%)	461 (10%)	140 (96%)	5 (4%)	149 (82%)	31 (8%)	1,411 (51%)	1,341 (49%)	5,758 (76%)	1,842 (24%)
1992-93	5,018 (92%)	450 (8%)	251 (88%)	3 (12%)	74 (27%)	196 (73%)	5,415 (72%)	2,090 (28%)	10,533 (79%)	2,739 (21%)
1993-94	5,893 (93%)	468 (7%)	195 (95%)	11 (5%)	20 (43%)	26 (57%)	2,596 (54%)	2,216 (46%)	8,705 (76%)	2,722 (24%)

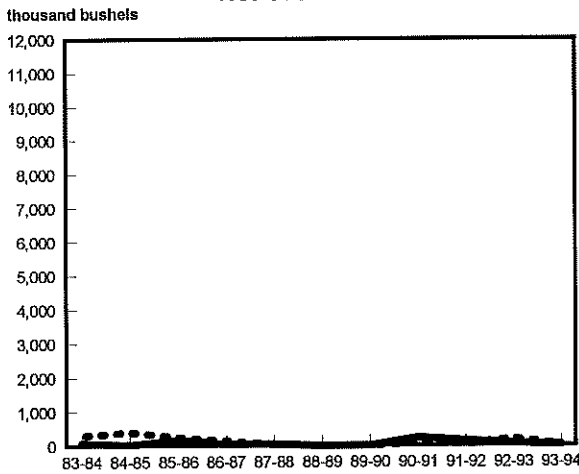
**OATS TO MINNEAPOLIS  
1983-84 to 1993-94**



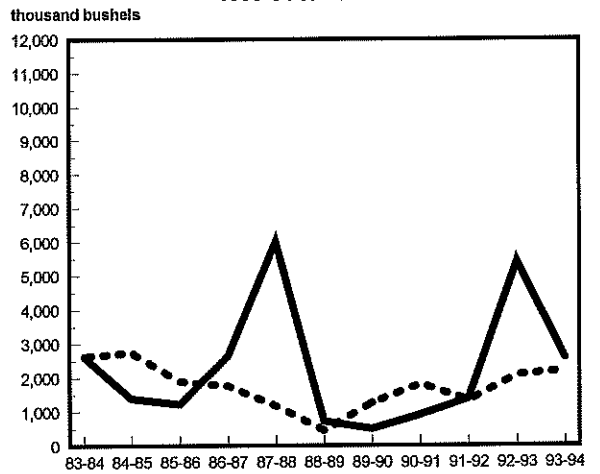
**OATS TO DULUTH-SUPERIOR  
1983-84 to 1993-94**



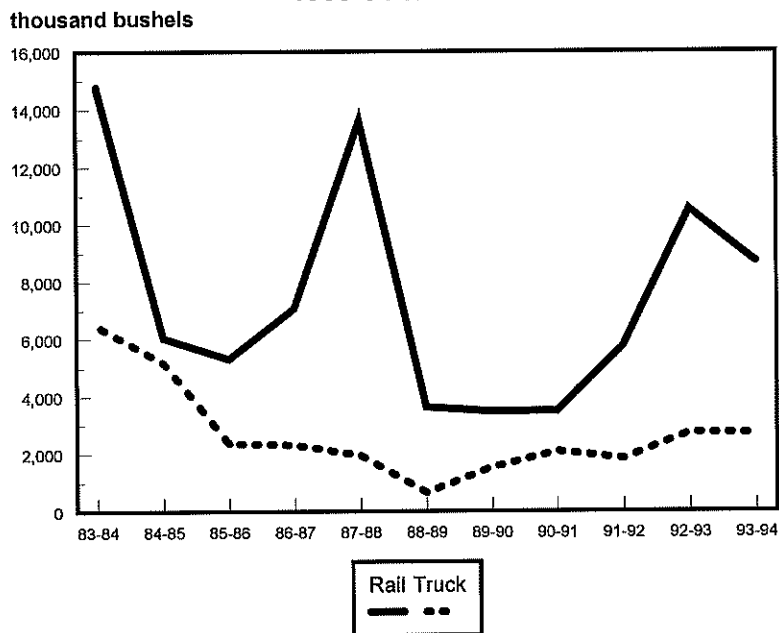
**OATS TO WEST  
1983-84 to 1993-94**



**OATS TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**



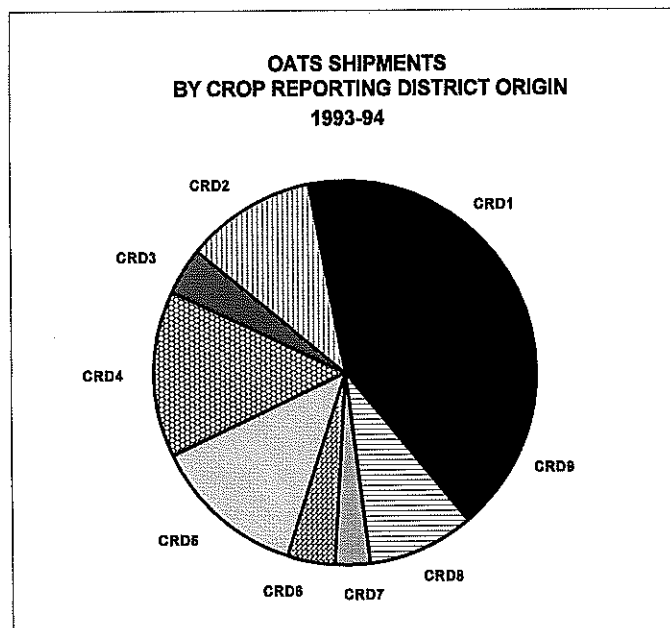
**OATS SHIPMENTS  
1983-84 to 1993-94**



Rail Truck

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

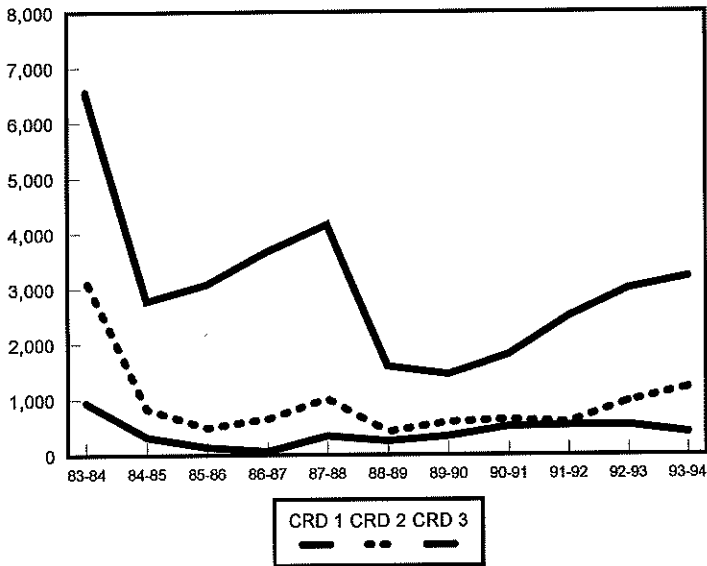
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	6,562 (31%)	3,163 (15%)	952 (4%)	1,530 (7%)	2,561 (12%)	934 (4%)	1,834 (9%)	1,368 (6%)	2,356 (11%)	21,261 (100%)
1984-85	2,780 (24%)	828 (7%)	328 (3%)	1,085 (10%)	956 (9%)	824 (7%)	823 (7%)	1,101 (10%)	2,509 (21%)	11,234 (100%)
1985-86	3,078 (40%)	490 (6%)	150 (2%)	1,306 (17%)	404 (5%)	599 (8%)	301 (4%)	312 (4%)	1,065 (14%)	7,705 (100%)
1986-87	3,681 (39%)	656 (7%)	72 (1%)	1,858 (20%)	642 (7%)	354 (4%)	452 (5%)	463 (5%)	1,211 (13%)	9,387 (100%)
1987-88	4,162 (27%)	1,017 (7%)	352 (2%)	2,001 (13%)	2,101 (13%)	729 (5%)	1,443 (9%)	1,365 (9%)	2,398 (15%)	15,568 (100%)
1988-89	1,600 (37%)	424 (10%)	255 (6%)	402 (9%)	587 (14%)	158 (4%)	192 (4%)	363 (8%)	313 (7%)	4,294 (100%)
1989-90	1,453 (29%)	600 (12%)	342 (7%)	330 (7%)	409 (8%)	794 (16%)	75 (1%)	240 (5%)	772 (15%)	5,015 (100%)
1990-91	1,809 (32%)	636 (11%)	515 (9%)	605 (11%)	386 (7%)	911 (16%)	52 (1%)	70 (1%)	617 (11%)	5,601 (100%)
1991-92	2,492 (33%)	596 (8%)	532 (7%)	848 (11%)	499 (7%)	763 (10%)	73 (1%)	322 (4%)	1,472 (19%)	7,601 (100%)
1992-93	2,997 (23%)	971 (7%)	539 (4%)	1,308 (10%)	3,209 (24%)	948 (7%)	289 (2%)	1,127 (9%)	1,879 (14%)	13,271 (100%)
1993-94	3,211 (28%)	1,210 (11%)	409 (4%)	1,616 (14%)	1,537 (13%)	455 (4%)	337 (3%)	1,032 (9%)	1,618 (14%)	11,427 (100%)



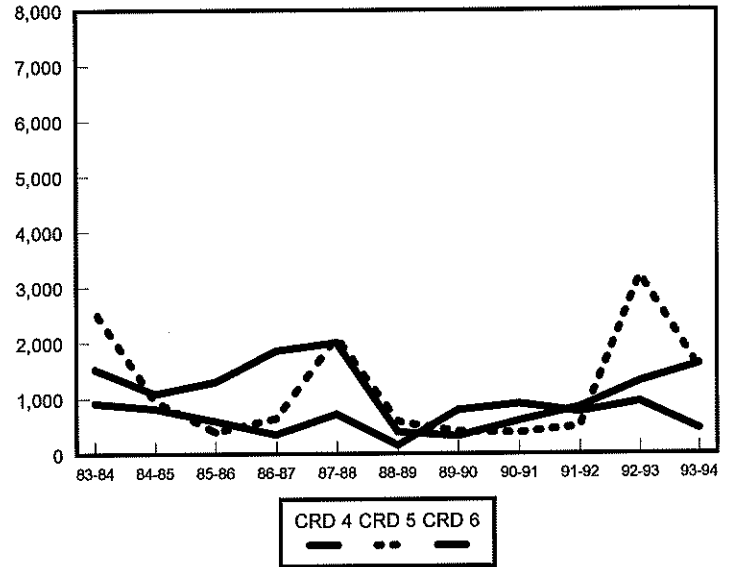


# OATS SHIPMENTS BY CROP REPORTING DISTRICT

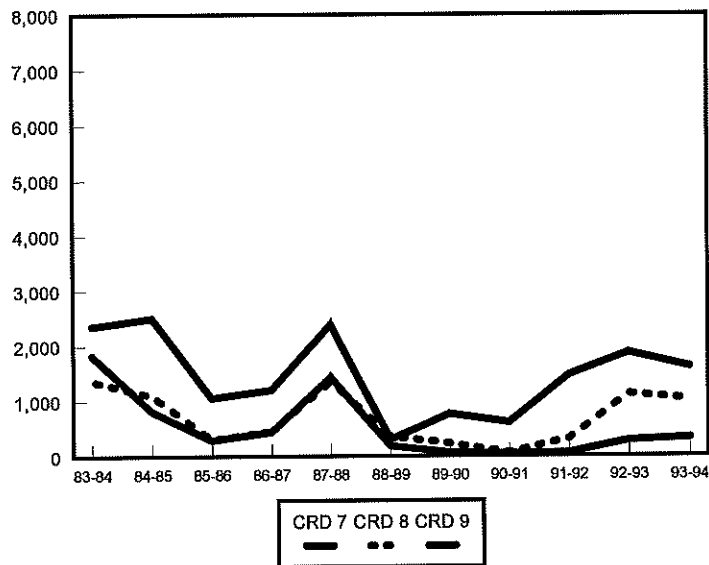
**BY NORTHERN CROP REPORTING DISTRICTS**  
(thousand bushels)

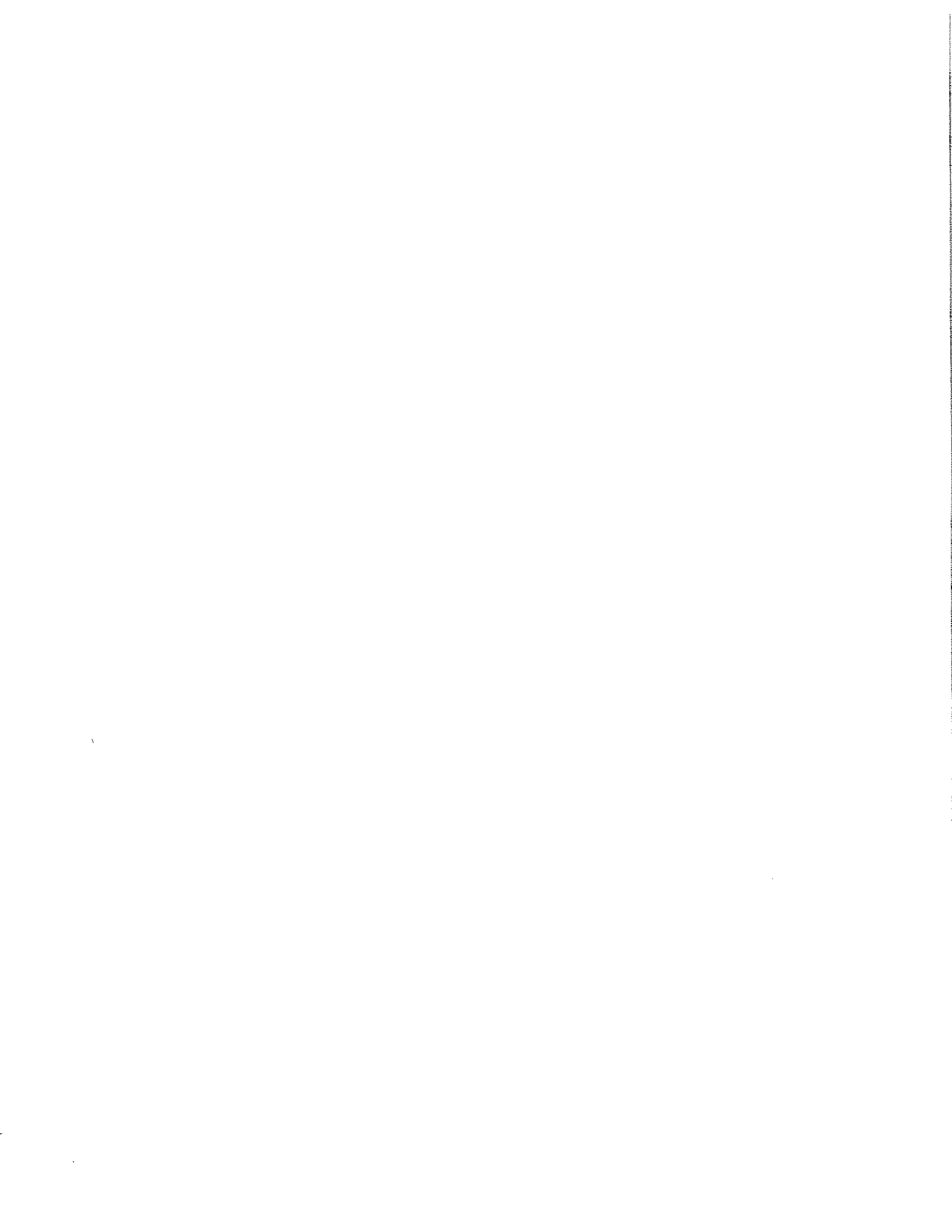


**BY CENTRAL CROP REPORTING DISTRICTS**  
(thousand bushels)



**SOUTHERN CROP REPORTING DISTRICTS**  
(thousand bushels)





---

# ***SOYBEAN SHIPMENTS***

---

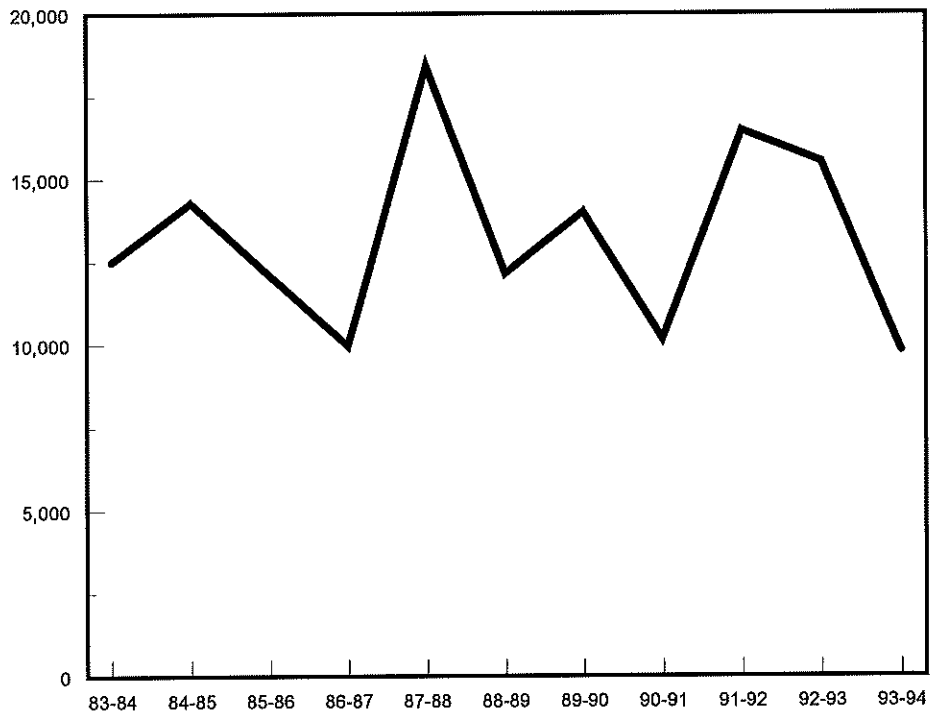
**NORTH DAKOTA SOYBEAN SHIPMENTS  
BY DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
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 (29%)	14,015 (100%)
1990-91	1,802 (18%)	1,268 (12%)	4,001 (39%)	3,114 (31%)	10,185 (100%)
1991-92	3,025 (18%)	510 (3%)	7,552 (46%)	5,374 (33%)	16,464 (100%)
1992-93	3,594 (23%)	354 (2%)	8,396 (54%)	3,184 <sup>a</sup> (21%)	15,528 (100%)
1993-94	3,115 (32%)	621 (6%)	3,669 (37%)	2,410 (25%)	9,815 (100%)

<sup>a</sup>Miscellaneous markets include shipments to other Minnesota/Wisconsin destinations (2%), Midland/Southwest destinations (8%), and all other markets including North Dakota processors (7%).

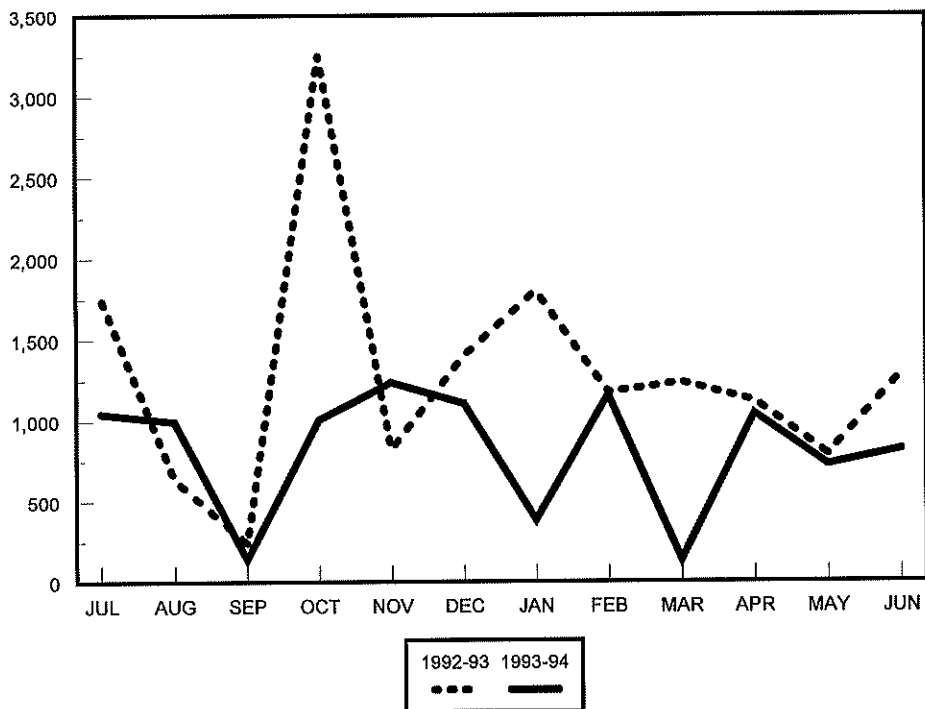
## SOYBEAN SHIPMENTS 1983-84 to 1993-94

thousand bushels



## SOYBEAN SHIPMENTS BY MONTH, 1992-93 TO 1993-94

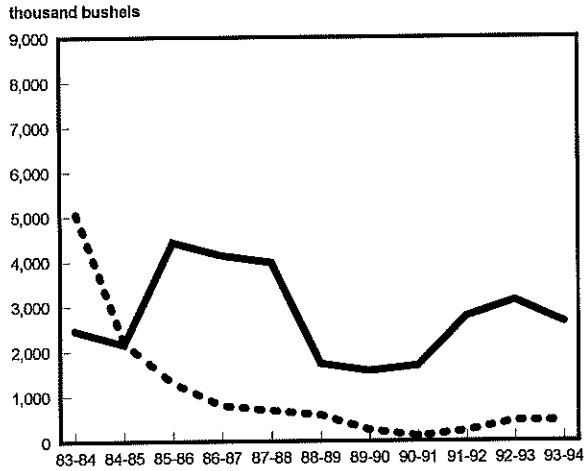
thousand bushels



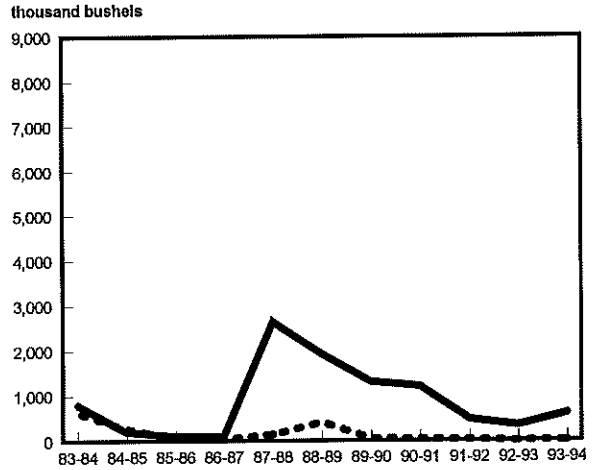
**NORTH DAKOTA SOYBEAN SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1983-84	2,482 (33%)	5,143 (67%)	804 (56%)	626 (44%)	2,370 (98%)	48 (2%)	368 (36%)	663 (64%)	6,023 (48%)	6,480 (52%)
1984-85	2,162 (50%)	2,199 (50%)	212 (43%)	279 (57%)	6,788 (99%)	37 (1%)	255 (10%)	2,361 (90%)	9,417 (66%)	4,876 (34%)
1985-86	4,434 (77%)	1,305 (23%)	112 (61%)	72 (39%)	3,532 (97%)	100 (3%)	175 (7%)	2,388 (93%)	8,252 (68%)	3,864 (32%)
1986-87	4,137 (84%)	797 (16%)	123 (74%)	42 (26%)	2,132 (99%)	12 (1%)	1,532 (56%)	1,215 (44%)	7,924 (79%)	2,066 (21%)
1987-88	3,979 (85%)	687 (15%)	2,645 (94%)	155 (6%)	7,778 (100%)	19 (0%)	1,692 (54%)	1,458 (46%)	16,094 (87%)	2,319 (13%)
1988-89	1,732 (75%)	583 (25%)	1,931 (82%)	416 (18%)	5,162 (96%)	213 (4%)	468 (22%)	1,652 (78%)	9,294 (76%)	2,865 (24%)
1989-90	1,565 (86%)	254 (14%)	1,320 (96%)	60 (4%)	6,705 (100%)	7 (0%)	618 (15%)	3,486 (85%)	10,208 (73%)	3,807 (27%)
1990-91	1,683 (93%)	120 (7%)	1,215 (96%)	54 (4%)	3,816 (95%)	185 (5%)	772 (25%)	2,340 (75%)	7,486 (74%)	2,699 (26%)
1991-92	2,782 (92%)	242 (8%)	479 (94%)	31 (6%)	7,184 (95%)	367 (5%)	2,987 (56%)	2,386 (44%)	13,434 (82%)	3,029 (18%)
1992-93	3,131 (87%)	463 (13%)	349 (99%)	5 (1%)	8,387 (100%)	8 (0%)	2,126 (67%)	1,058 (33%)	13,992 (90%)	1,536 (10%)
1993-94	2,655 (85%)	460 (15%)	614 (99%)	7 (1%)	3,667 (100%)	3 (0%)	1,855 (77%)	556 (23%)	8,789 (89%)	1,026 (11%)

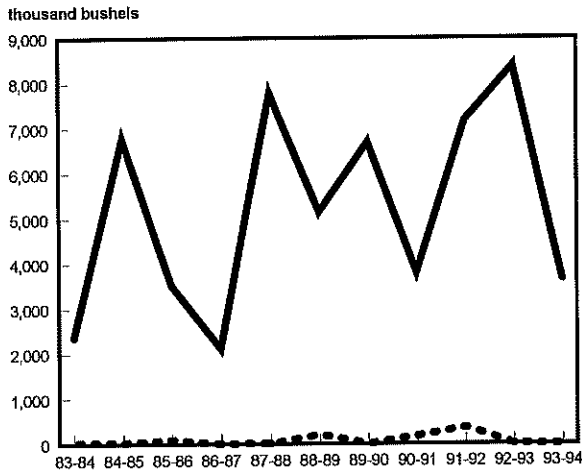
**SOYBEANS TO MINNEAPOLIS  
1983-84 to 1993-94**



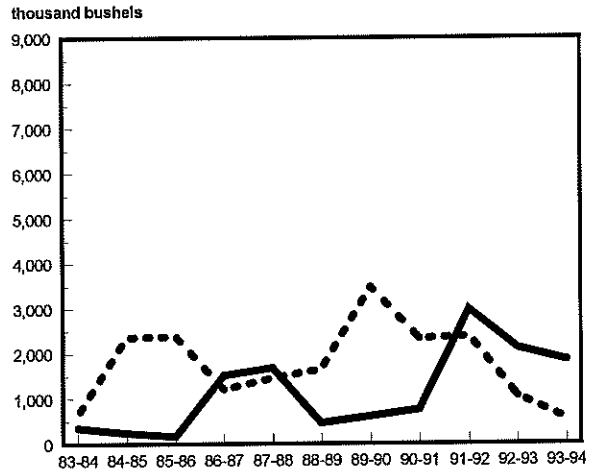
**SOYBEANS TO DULUTH-SUPERIOR  
1983-84 to 1993-94**



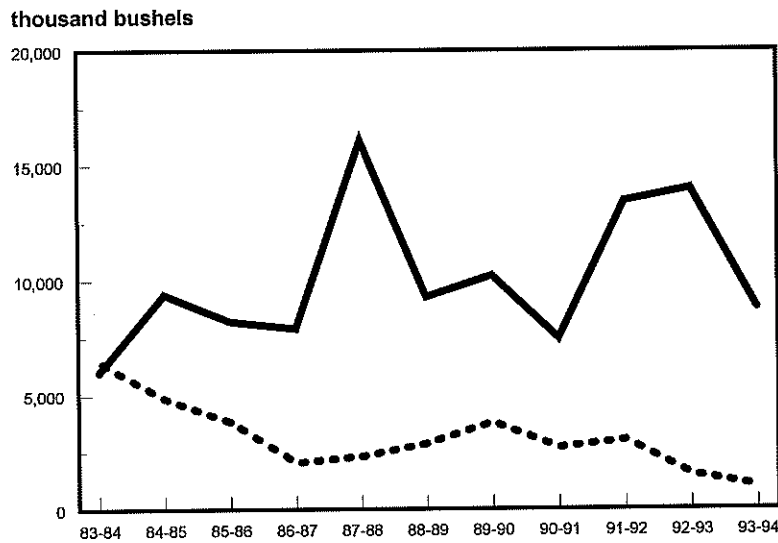
**SOYBEANS TO WEST  
1983-84 to 1993-94**



**SOYBEANS TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**



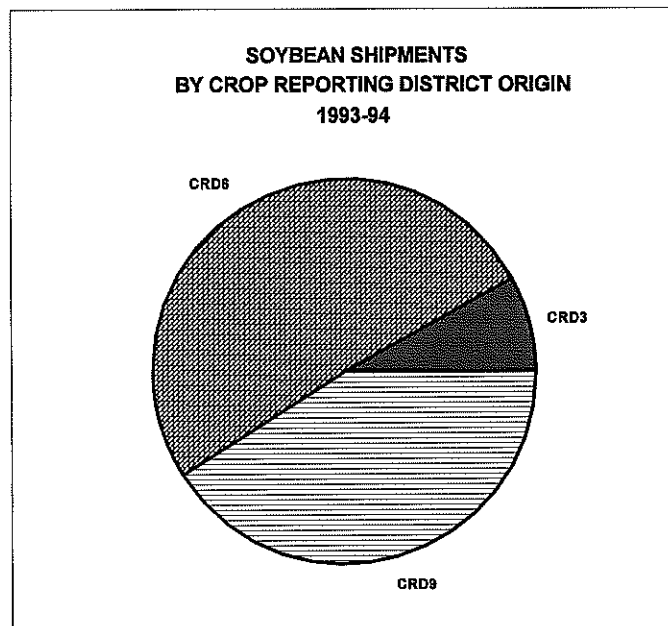
**SOYBEAN SHIPMENTS  
1983-84 to 1993-94**



Rail Truck

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

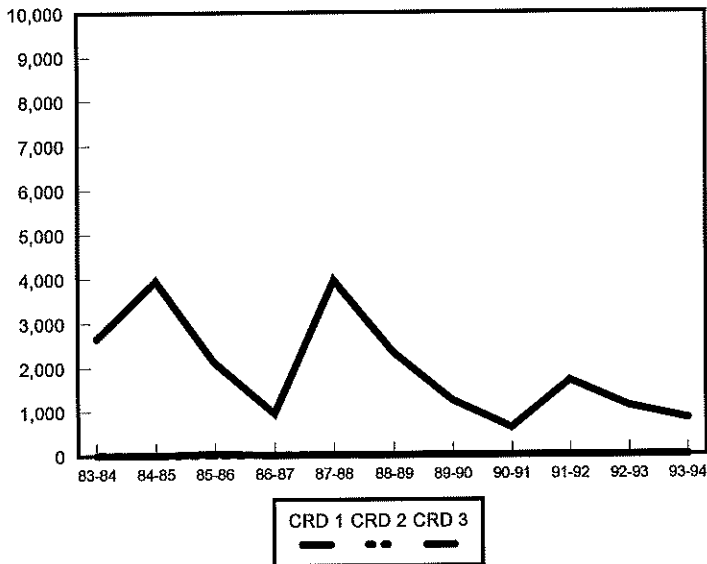
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	2 (0%)	20 (0%)	2,665 (21%)	2 (0%)	112 (1%)	6,683 (53%)	4 (0%)	0 (0%)	3,016 (24%)	12,504 (100%)
1984-85	2 (0%)	2 (0%)	3,954 (29%)	5 (0%)	145 (1%)	6,736 (47%)	18 (0%)	7 (0%)	3,424 (24%)	14,292 (100%)
1985-86	43 (0%)	4 (0%)	2,114 (17%)	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%)
1990-91	3 (0%)	6 (0%)	622 (6%)	29 (0%)	36 (0%)	5,369 (53%)	0 (0%)	122 (1%)	3,998 (39%)	10,185 (100%)
1991-92	0 (0%)	11 (0%)	1,696 (10%)	883 (5%)	78 (0%)	8,491 (51%)	220 (1%)	0 (0%)	6,184 (37%)	16,464 (100%)
1992-93	8 (0%)	4 (0%)	1,112 (7%)	8 (0%)	14 (0%)	7,900 (51%)	--	3 (0%)	6,475 (42%)	15,527 (100%)
1993-94	3 (0%)	0 (0%)	827 (8%)	0 (0%)	22 (0%)	4,986 (51%)	0 (0%)	0 (0%)	3,976 (41%)	9,815 (100%)



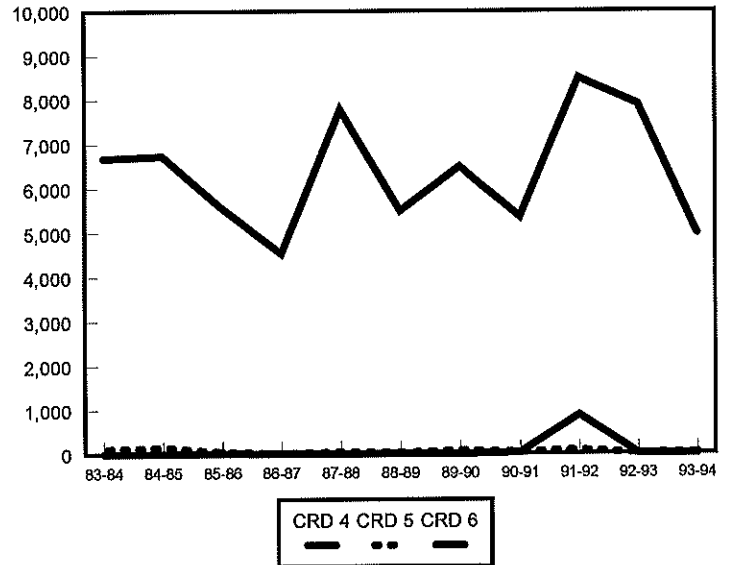


# SOYBEAN SHIPMENTS BY CROP REPORTING DISTRICT

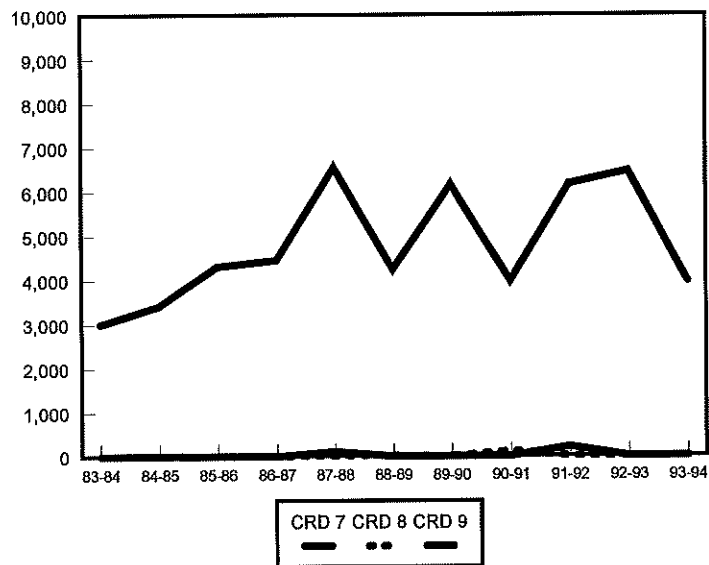
BY NORTHERN CROP REPORTING DISTRICTS  
(thousand bushels)



BY CENTRAL CROP REPORTING DISTRICTS  
(thousand bushels)



SOUTHERN CROP REPORTING DISTRICTS  
(thousand bushels)





---

***FLAX  
SHIPMENTS***

---

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

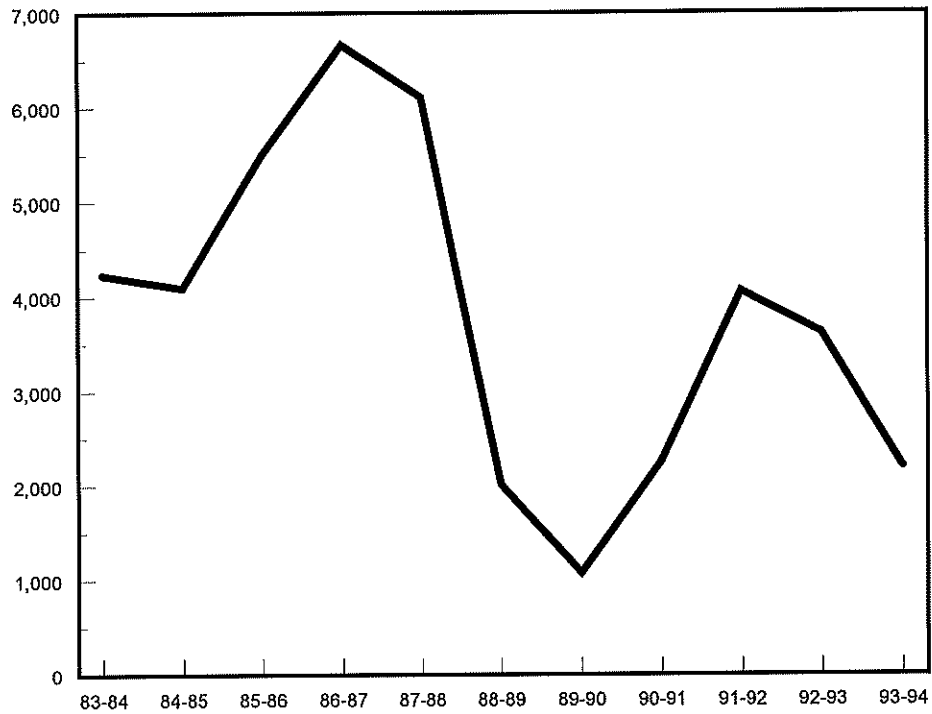
YEAR	MINNEAPOLIS - ST. PAUL	OTHER MINNESOTA - WISCONSIN	NORTH DAKOTA	MISC.	TOTAL
1983-84	1,598 (38%)	-	-	-	4,235 (100%)
1984-85	1,555 (38%)	-	-	-	4,098 (100%)
1985-86	2,171 (39%)	-	-	<sup>a</sup>	5,503 (100%)
1986-87	1,055 (16%)	1,829 (27%)	2,495 (37%)	1,287 (19%)	6,666 (100%)
1987-88	1,202 (20%)	2,007 (33%)	1,758 (29%)	1,143 (19%)	6,110 (100%)
1988-89	214 (11%)	849 (42%)	650 (32%)	299 (15%)	2,013 (100%)
1989-90	209 (19%)	269 (25%)	425 (39%)	174 (16%)	1,077 (100%)
1990-91	422 (19%)	487 (22%)	1,068 (47%)	281 (12%)	2,258 (100%)
1991-92	1,141 (28%)	504 (12%)	1,750 (43%)	659 (16%)	4,058 (100%)
1992-93	469 (13%)	567 (16%)	1,501 (41%)	1,084 (30%)	3,621 (100%)
1993-94	750 (34%)	539 (25%)	683 (31%)	227 <sup>b</sup> (10%)	2,200 (100%)

<sup>a</sup>Not available prior to 1986-87.

<sup>b</sup>Miscellaneous markets include shipments to Duluth Superior destinations (1%), Midland/Southwest markets (4%), Pacific Northwest markets (0%), and all other markets (5%).

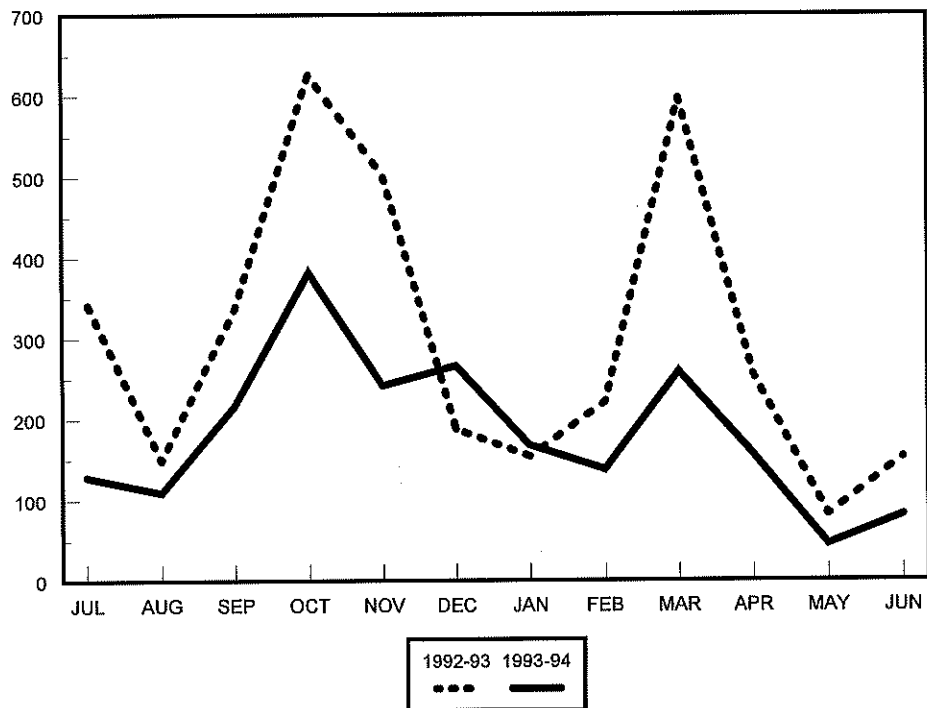
## FLAX SHIPMENTS 1983-84 to 1993-94

thousand bushels



## FLAX SHIPMENTS BY MONTH, 1992-93 TO 1993-94

thousand bushels

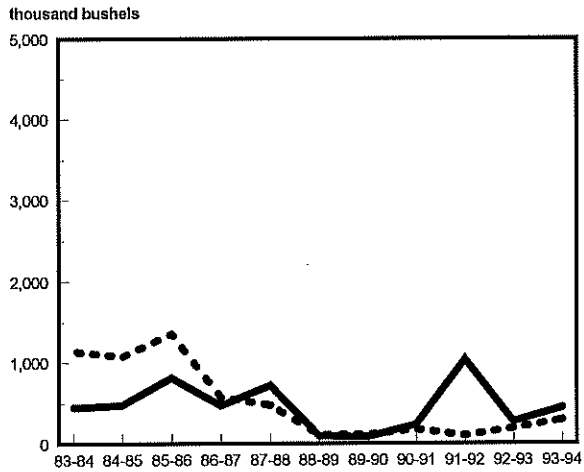


**NORTH DAKOTA FLAXSEED SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

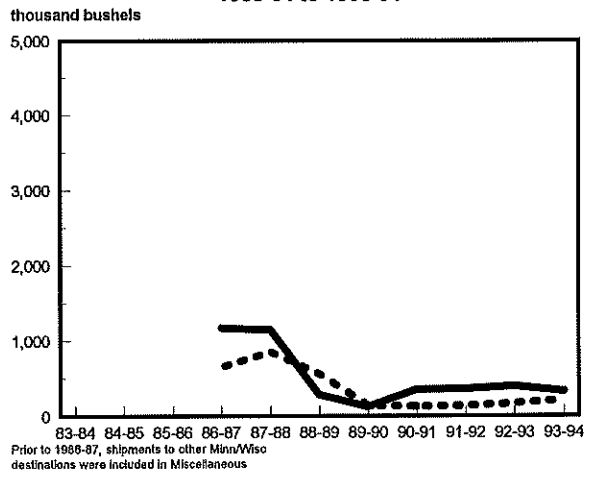
YEAR	MINNEAPOLIS- ST. PAUL		OTHER MINNESOTA - WISCONSIN		NORTH DAKOTA		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1983-84	455 (29%)	1,143 (71%)	-	-	-	-	-	-	785 (19%)	3,451 (81%)
1984-85	480 (31%)	1,075 (69%)	-	-	-	-	-	-	996 (24%)	3,103 (76%)
1985-86	813 (37%)	1,358 (63%)	-	-	-	-	-	<sup>a</sup>	1,768 (32%)	3,736 (68%)
1986-87	478 (45%)	577 (55%)	1,175 (64%)	654 (36%)	413 (17%)	2,082 (83%)	830 (64%)	457 (36%)	2,896 (43%)	3,770 (57%)
1987-88	721 (60%)	481 (40%)	1,152 (57%)	855 (43%)	445 (25%)	1,313 (75%)	404 (35%)	737 (65%)	2,722 (45%)	3,386 (55%)
1988-89	101 (47%)	112 (53%)	288 (34%)	561 (66%)	44 (7%)	606 (93%)	125 (42%)	174 (58%)	559 (28%)	1,454 (72%)
1989-90	92 (44%)	116 (56%)	125 (46%)	144 (54%)	25 (6%)	400 (94%)	61 (35%)	113 (65%)	304 (28%)	773 (72%)
1990-91	238 (56%)	184 (44%)	358 (74%)	129 (26%)	117 (11%)	951 (89%)	145 (52%)	136 (48%)	858 (38%)	1,400 (62%)
1991-92	1,039 (91%)	102 (9%)	364 (72%)	140 (28%)	160 (9%)	1,590 (91%)	499 (76%)	158 (24%)	2,065 (51%)	1,993 (49%)
1992-93	275 (59%)	195 (41%)	398 (70%)	169 (30%)	81 (5%)	1,420 (95%)	819 (75%)	266 (25%)	1,572 (43%)	2,050 (57%)
1993-94	449 (60%)	302 (40%)	327 (61%)	213 (39%)	19 (3%)	664 (97%)	78 (34%)	150 (66%)	872 (40%)	1,329 (60%)

<sup>a</sup>Prior to 1986-87 crop year, Other Minn./Wisconsin and North Dakota destinations were included in "Miscellaneous" Markets. Miscellaneous markets now includes shipments to Duluth-Superior and Pacific Northwest destinations.

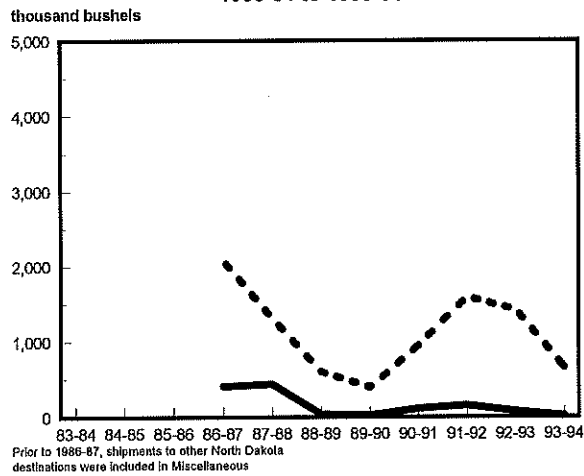
**FLAX TO MINNEAPOLIS  
1983-84 to 1993-94**



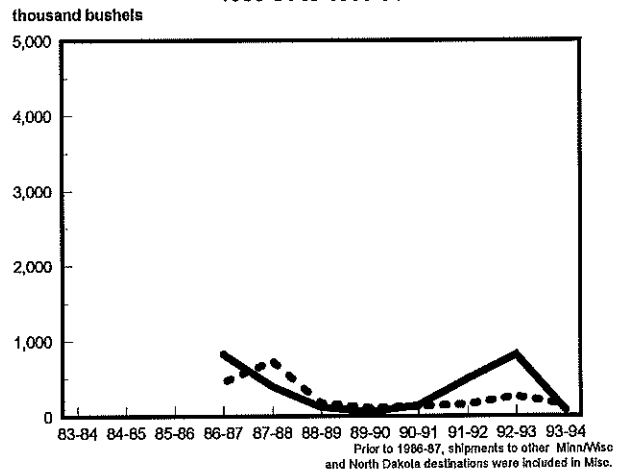
**FLAX TO OTHER MINN/WISC  
1983-84 to 1993-94**



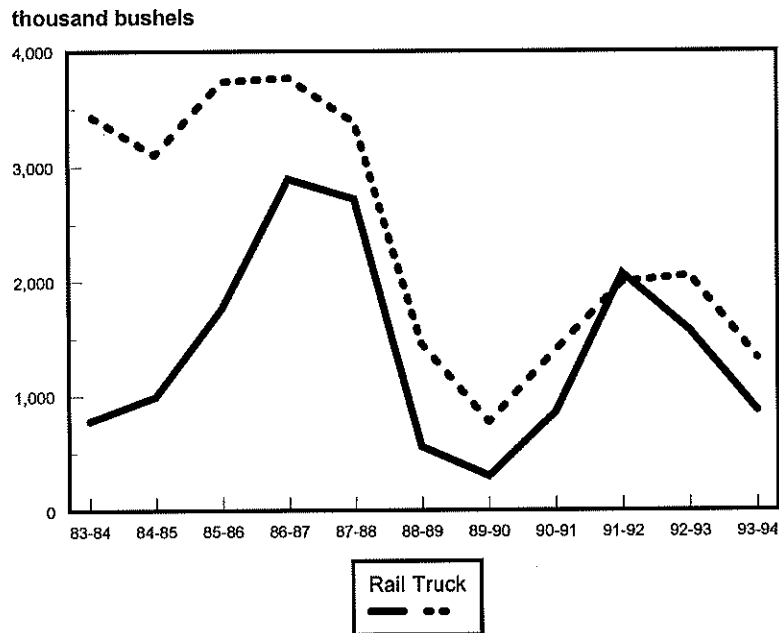
**FLAX TO NORTH DAKOTA  
1983-84 to 1993-94**



**FLAX TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**

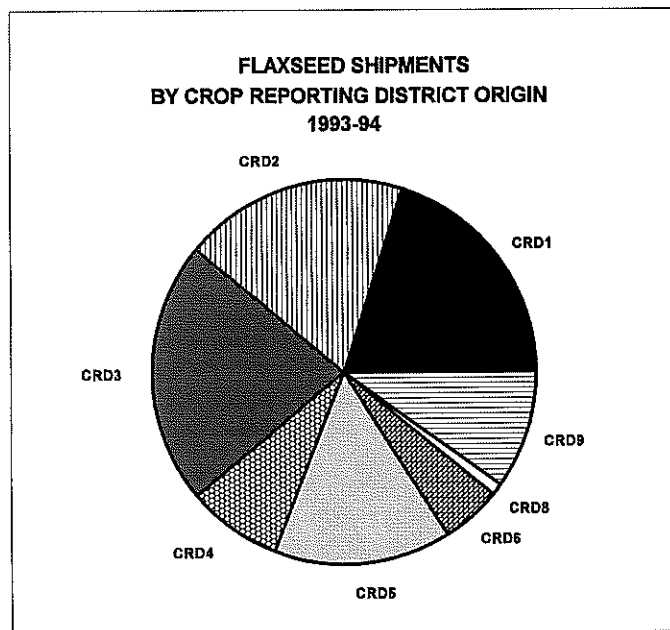


**FLAX SHIPMENTS  
1983-84 to 1993-94**



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

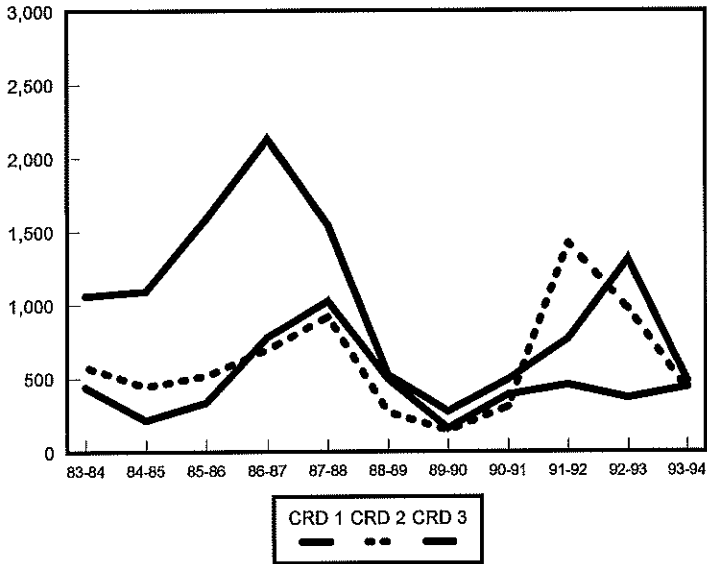
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	441 (10%)	579 (14%)	1,062 (25%)	349 (8%)	602 (14%)	227 (5%)	149 (4%)	239 (6%)	587 (14%)	4,235 (100%)
1984-85	217 (5%)	443 (11%)	1,097 (27%)	266 (6%)	541 (13%)	249 (6%)	204 (5%)	265 (6%)	816 (20%)	4,098 (100%)
1985-86	336 (6%)	518 (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 (98%)	2,009 (100%)
1989-90	161 (15%)	145 (13%)	276 (26%)	72 (7%)	146 (13%)	84 (9%)	9 (1%)	30 (3%)	154 (14%)	1,077 (100%)
1990-91	388 (17%)	308 (14%)	490 (22%)	102 (5%)	523 (23%)	241 (11%)	4 (0%)	16 (1%)	186 (8%)	2,258 (100%)
1991-92	456 (11%)	1,421 (35%)	769 (19%)	173 (4%)	423 (10%)	413 (10%)	13 (0%)	5 (0%)	381 (9%)	4,058 (100%)
1992-93	367 (10%)	974 (27%)	1,312 (36%)	140 (4%)	313 (9%)	200 (6%)	9 (0%)	25 (1%)	278 (8%)	3,621 (100%)
1993-94	442 (20%)	418 (19%)	483 (22%)	182 (8%)	323 (15%)	114 (5%)	5 (0%)	19 (1%)	213 (10%)	2,200 (100%)



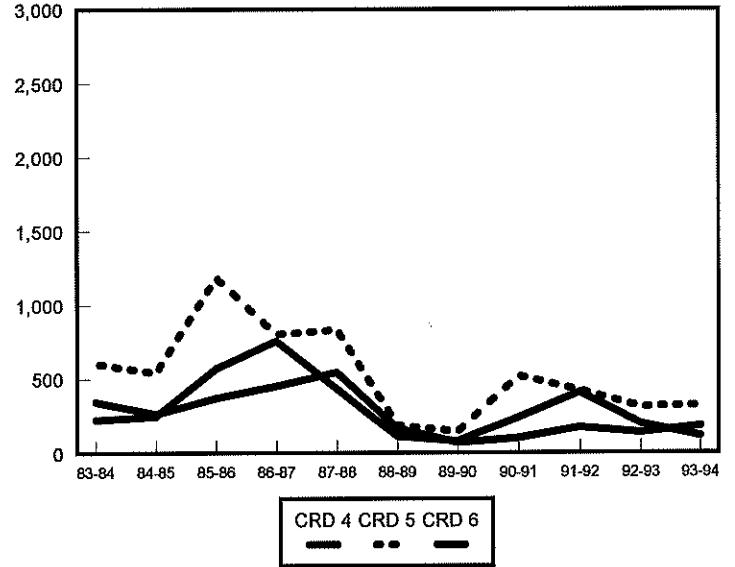


# FLAX SHIPMENTS BY CROP REPORTING DISTRICT

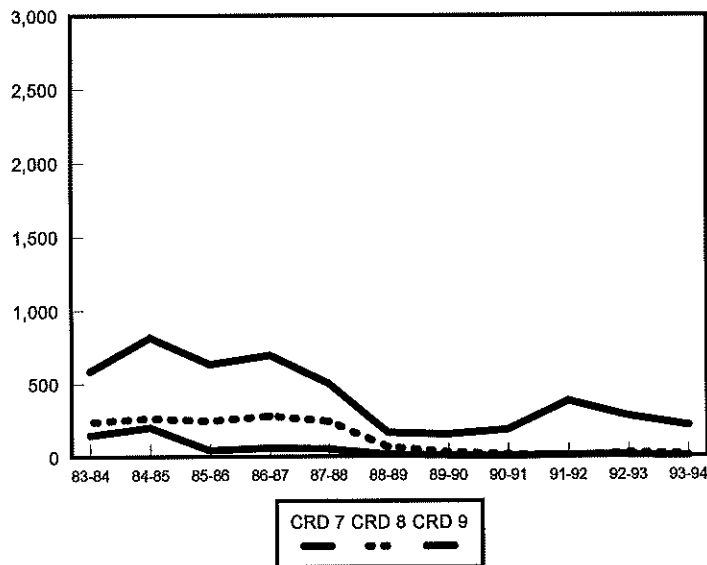
**BY NORTHERN CROP REPORTING DISTRICTS**  
(thousand bushels)

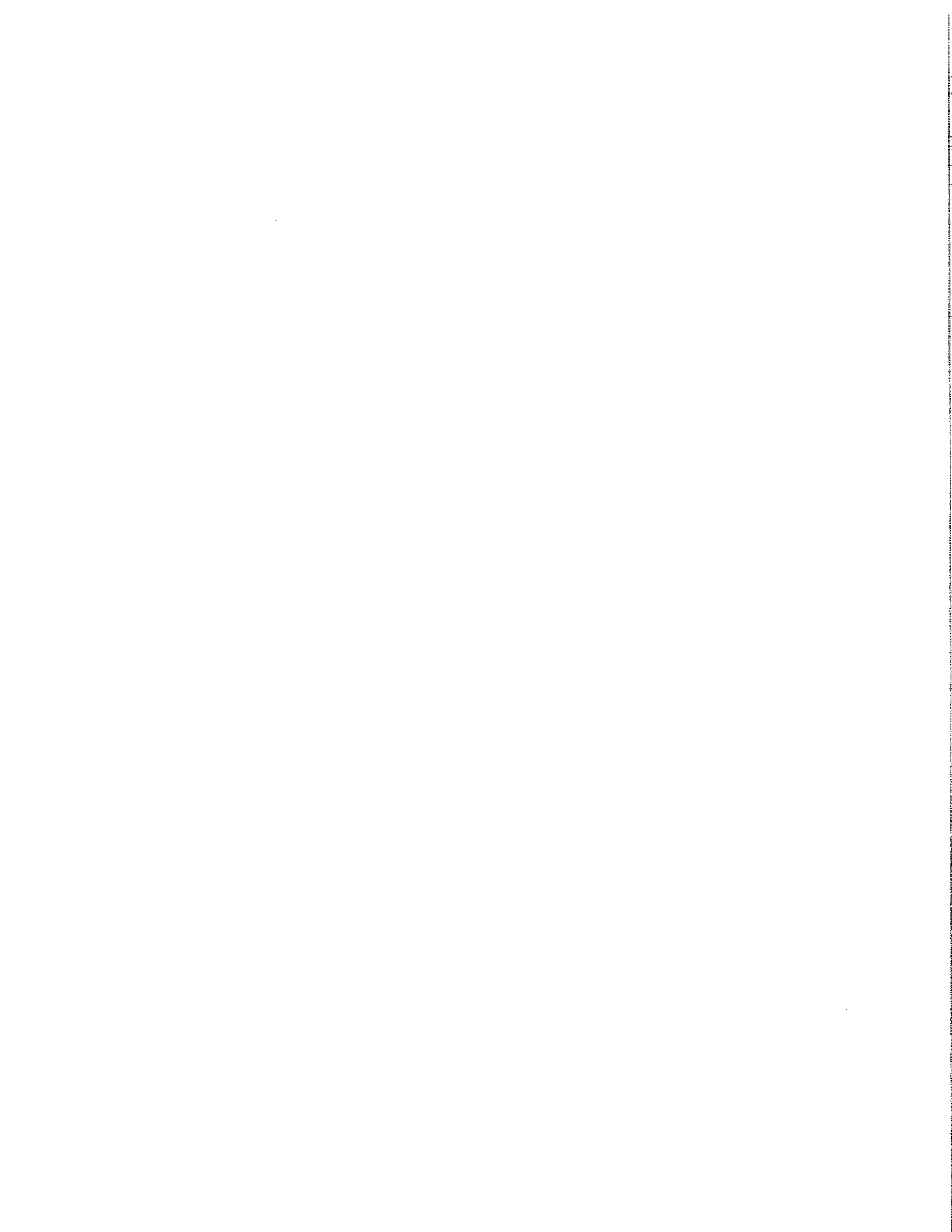


**BY CENTRAL CROP REPORTING DISTRICTS**  
(thousand bushels)



**SOUTHERN CROP REPORTING DISTRICTS**  
(thousand bushels)





---

# ***CORN SHIPMENTS***

---

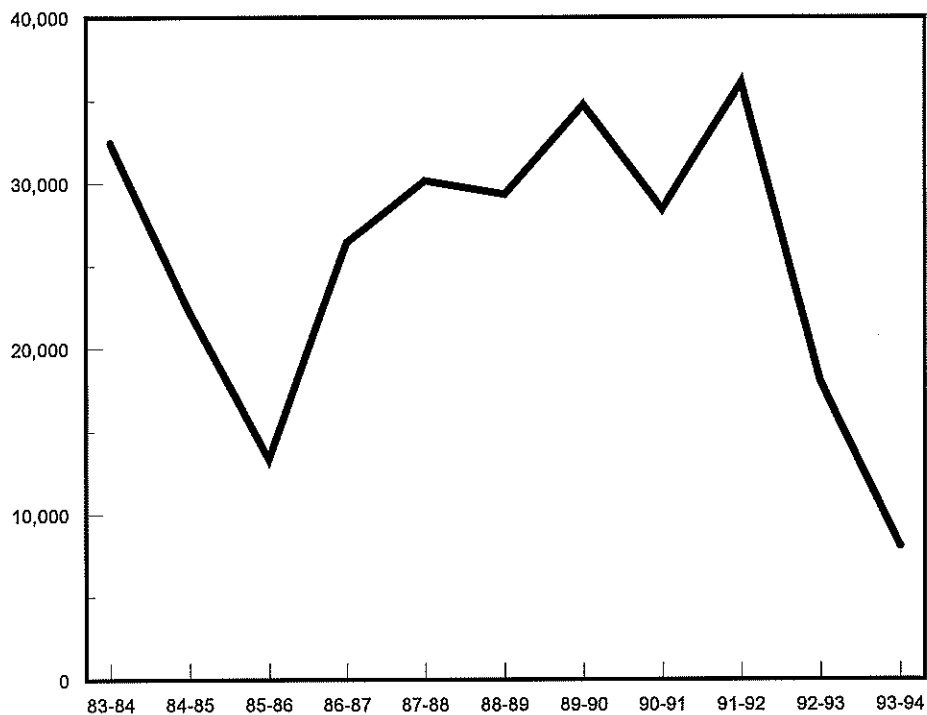
**NORTH DAKOTA CORN SHIPMENTS  
BY DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL	DULUTH - SUPERIOR	WEST	MISC. MARKETS	TOTAL
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 (21%)	34,764 (100%)
1990-91	944 (3%)	710 (2%)	19,590 (69%)	7,190 (25%)	28,434 (100%)
1991-92	1,556 (4%)	665 (2%)	25,034 (69%)	8,826 (24%)	36,084 (100%)
1992-93	807 (5%)	0 (0%)	8,903 (49%)	8,344 <sup>a</sup> (46%)	18,054 (100%)
1993-94	196 (2%)	75 (1%)	1,465 (18%)	6,309 (79%)	8,047 (100%)

<sup>a</sup>Miscellaneous markets include shipments to North Dakota destinations (46%), Midland/Southwest destinations (7%), and all other markets (19%).

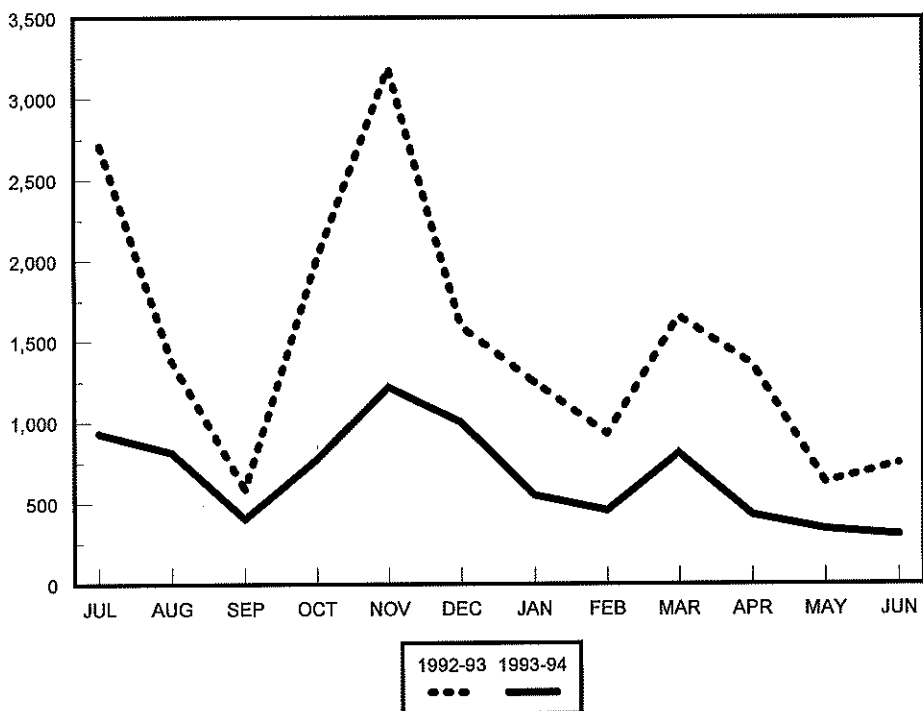
## CORN SHIPMENTS 1983-84 to 1993-94

thousand bushels



## CORN SHIPMENTS BY MONTH, 1992-93 TO 1993-94

thousand bushels

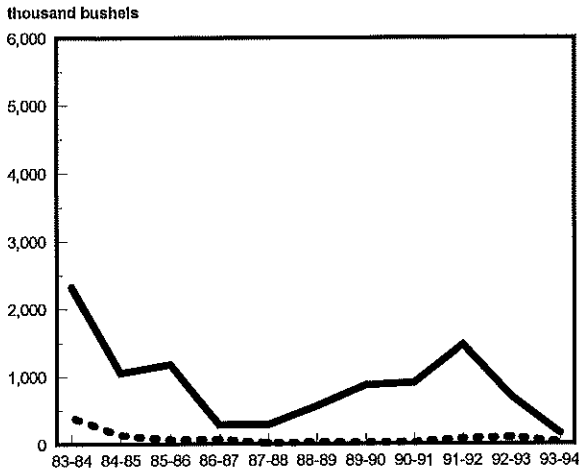


1992-93    1993-94  
 ·····    ———

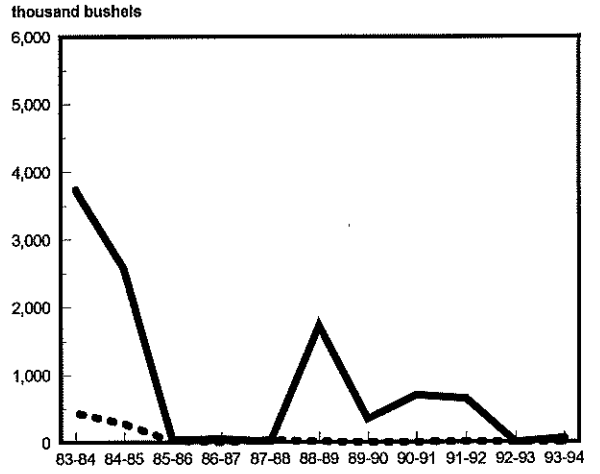
**NORTH DAKOTA CORN SHIPMENTS  
BY RAIL, TRUCK AND DESTINATION  
(thousand bu.)**

YEAR	MINNEAPOLIS - ST. PAUL		DULUTH - SUPERIOR		WEST		MISC. MARKETS		TOTAL	
	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck	Rail	Truck
1983-84	2,332 (85%)	404 (15%)	3,737 (90%)	438 (10%)	20,133 (99%)	190 (1%)	3,034 (58%)	2,195 (42%)	29,236 (90%)	3,228 (10%)
1984-85	1,057 (89%)	132 (11%)	2,579 (90%)	280 (10%)	13,623 (100%)	36 (0%)	1,156 (24%)	3,759 (76%)	18,415 (81%)	4,207 (19%)
1985-86	1,185 (95%)	69 (5%)	43 (64%)	24 (36%)	6,305 (97%)	183 (3%)	2,815 (50%)	2,769 (50%)	10,348 (77%)	3,046 (23%)
1986-87	287 (80%)	71 (20%)	56 (95%)	3 (5%)	18,407 (97%)	544 (3%)	2,703 (38%)	4,364 (62%)	21,454 (81%)	4,982 (19%)
1987-88	291 (93%)	21 (7%)	14 (25%)	41 (75%)	23,742 (99%)	236 (1%)	2,524 (42%)	3,556 (58%)	26,571 (87%)	3,854 (13%)
1988-89	570 (95%)	32 (5%)	1,727 (99%)	13 (1%)	21,498 (98%)	362 (2%)	2,175 (42%)	2,962 (58%)	25,972 (89%)	3,371 (11%)
1989-90	876 (97%)	24 (3%)	357 (100%)	1 (0%)	25,720 (98%)	412 (2%)	3,914 (53%)	3,460 (47%)	30,867 (89%)	3,897 (11%)
1990-91	915 (97%)	28 (3%)	708 (100%)	2 (0%)	19,555 (100%)	35 (0%)	3,913 (54%)	3,278 (46%)	25,091 (88%)	3,343 (12%)
1991-92	1,474 (95%)	81 (5%)	651 (98%)	13 (2%)	24,641 (98%)	392 (2%)	4,731 (54%)	4,093 (46%)	31,501 (87%)	4,583 (13%)
1992-93	705 (87%)	102 (13%)	0 (0%)	0 (0%)	8,807 (99%)	96 (1%)	2,680 (32%)	5,663 (68%)	12,192 (68%)	5,861 (32%)
1993-94	162 (83%)	35 (17%)	69 (92%)	6 (8%)	1,451 (99%)	14 (1%)	761 (12%)	5,550 (88%)	2,444 (30%)	5,604 (70%)

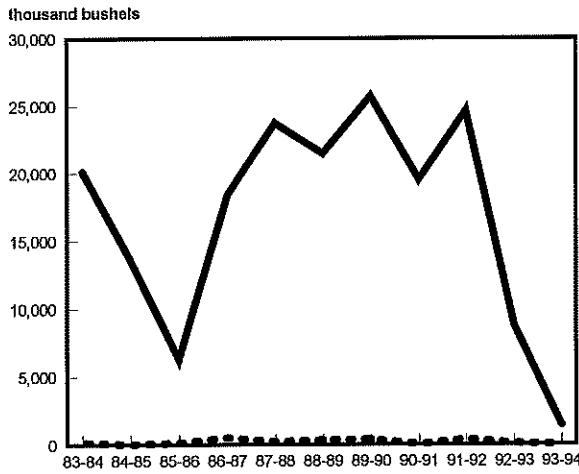
**CORN TO MINNEAPOLIS  
1983-84 to 1993-94**



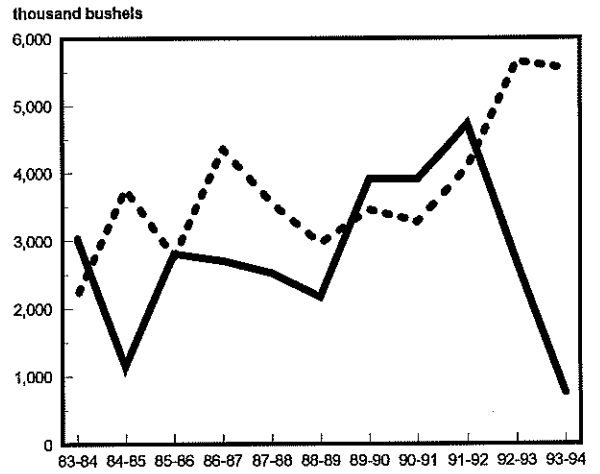
**CORN TO DULUTH-SUPERIOR  
1983-84 to 1993-94**



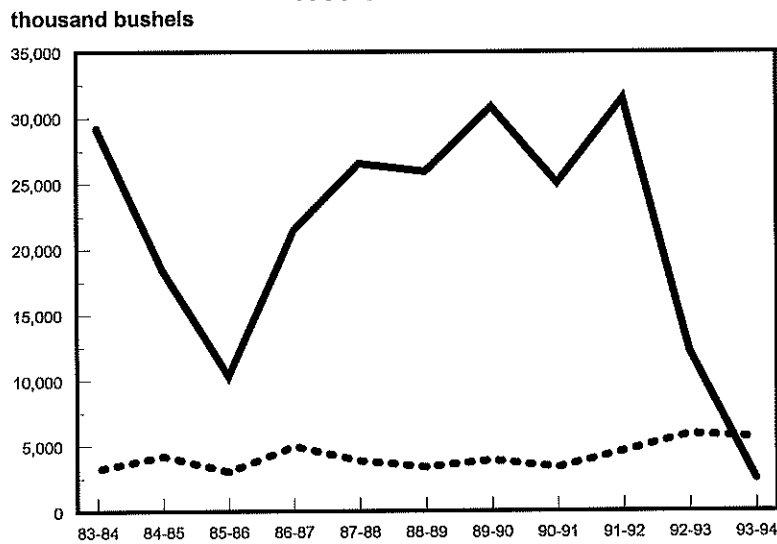
**CORN TO WEST  
1983-84 to 1993-94**



**CORN TO MISCELLANEOUS MARKETS  
1983-84 to 1993-94**



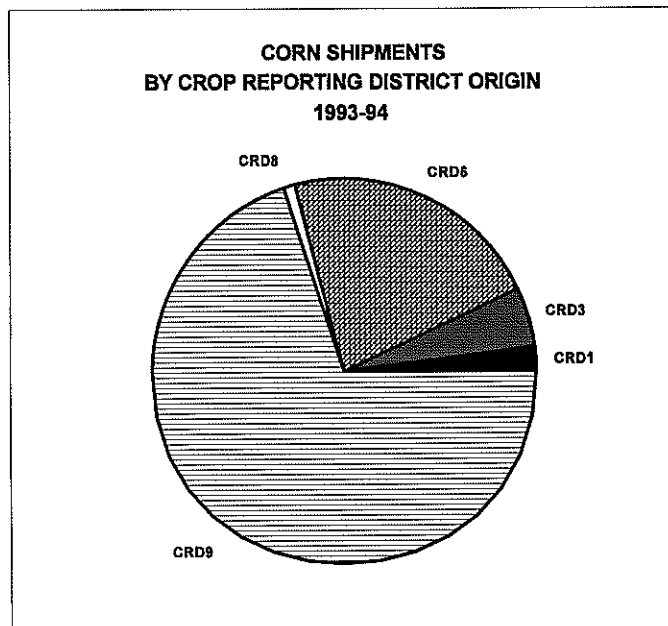
**CORN SHIPMENTS  
1983-84 to 1993-94**



Rail Truck  
—    - -

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

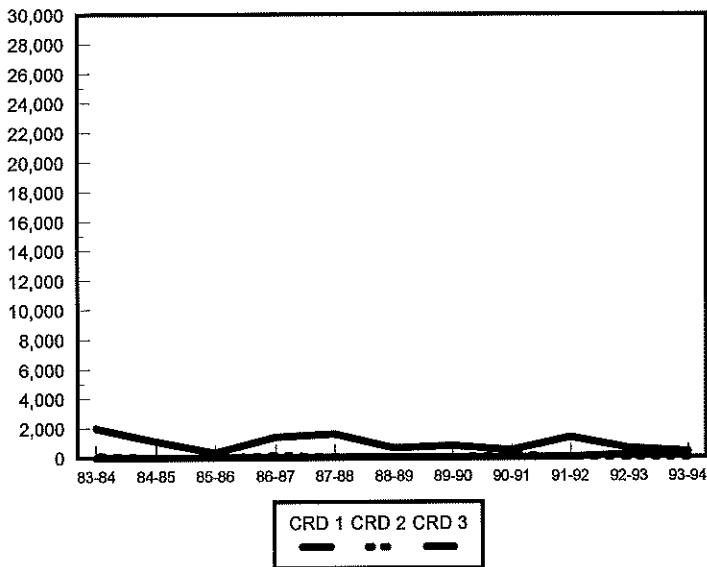
YEAR	Crop Reporting District									TOTAL
	1	2	3	4	5	6	7	8	9	
1983-84	12 (0%)	139 (0%)	1,997 (6%)	242 (1%)	1,159 (4%)	9,477 (29%)	249 (1%)	224 (1%)	18,963 (58%)	32,463 (100%)
1984-85	0 (0%)	20 (0%)	1,109 (5%)	49 (0%)	600 (3%)	6,800 (30%)	496 (2%)	304 (1%)	13,246 (59%)	22,623 (100%)
1985-86	1 (0%)	9 (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%)
1990-91	0 (0%)	144 (1%)	479 (2%)	142 (0%)	78 (0%)	6,812 (24%)	0 (0%)	871 (3%)	19,908 (70%)	28,434 (100%)
1991-92	30 (0%)	18 (0%)	1,391 (4%)	20 (0%)	593 (2%)	9,660 (27%)	1 (0%)	17 (0%)	24,350 (67%)	36,084 (100%)
1992-93	208 (1%)	6 (0%)	623 (3%)	11 (0%)	27 (0%)	4,599 (25%)	1 (0%)	7 (0%)	12,567 (70%)	18,053 (100%)
1993-94	173 (2%)	10 (0%)	389 (5%)	12 (0%)	20 (0%)	1,738 (22%)	0 (0%)	101 (1%)	5,604 (70%)	8,047 (100%)



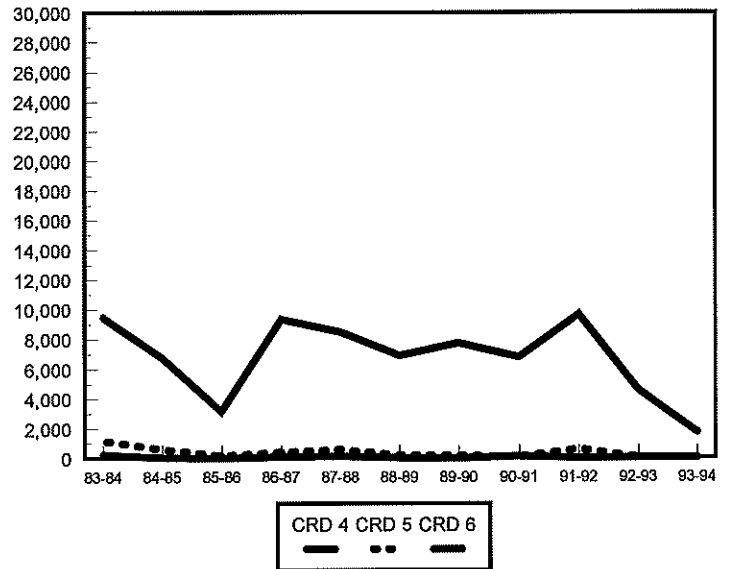


# CORN SHIPMENTS BY CROP REPORTING DISTRICT

**BY NORTHERN CROP REPORTING DISTRICTS**  
(thousand bushels)



**BY CENTRAL CROP REPORTING DISTRICTS**  
(thousand bushels)



**SOUTHERN CROP REPORTING DISTRICTS**  
(thousand bushels)

