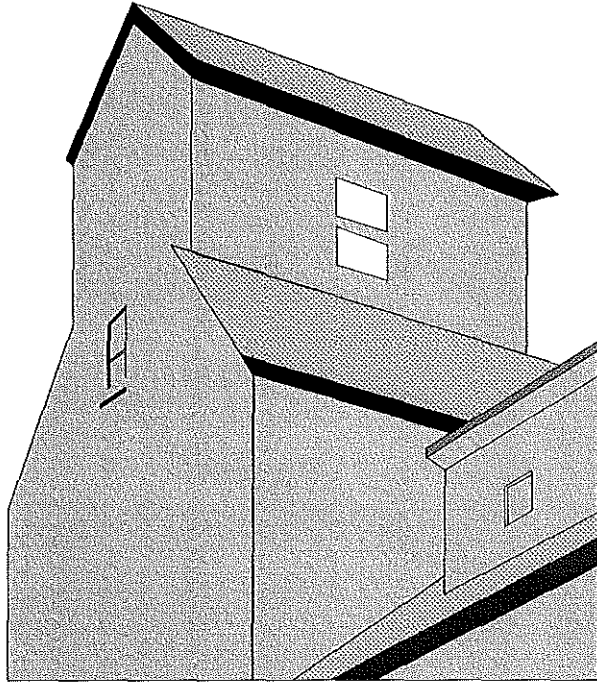


**ANNUAL NORTH DAKOTA ELEVATOR
GRAIN AND OILSEED MARKETING
REPORT, 1992-93**

**Kimberly Vachal
and
Dean Busch**

**UGPTI Publication No. 99
December 1993**

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Kimberly Vachal
and
Dean Busch

 Upper Great Plains Transportation Institute
North Dakota State University

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Durum	85
Barley	89
Oats	93
Sunflowers	97
Flaxseed	101
Soybeans	105
Corn	109

Overview

The *Annual North Dakota Elevator Marketing Report for 1992-93* was prepared by Dean Busch and Kimberly Vachal, Upper Great Plains Transportation Institute. The authors gratefully acknowledge the assistance of the North Dakota Grain Dealers Association, the North Dakota Wheat Commission, and the North Dakota Public Service Commission in compiling this report.

The objective of this report is to provide a benchmark for elevator managers in assessing performance, and supply a source for recognizing trends in the characteristics of North Dakota elevators. This report and the statistics mailed to individual elevators are presented as a source of information for elevator managers and those interested in the North Dakota grain industry. Continuation of the report as an annual project will be considered based on public response.

Source of Data

The distribution and shipment data in this report was developed from the Public Service Commission reports that require elevators to report monthly movements of grains and oilseeds by truck and rail. The storage capacities reported to the ND PSC were used to calculate the turnover ratios. **1992-93 numbers represent 99 percent of the required reports.**

Scope of Report

Data are tabulated according to elevator type to provide general information on characteristics that describe commodity flows or provide a benchmark for elevators.

- **Turnover:** Equal to the ratio of volume of grain handled to the storage capacity available.
- **Destination:** Duluth-Superior, Minneapolis-St. Paul (include other MN and WI), PNW, Midland-Southwest, North Dakota, and miscellaneous markets.
- **Origin:** Nine crop reporting districts.
- **Mode:** Truck or rail.
- **Elevator Size:** Elevators are stratified into four groups based on the number of cars an elevator can load without railroad switching services (1) Single Car (1 to 24 cars), (2) Multiple Car (25 to 49 cars), (3) Unit Train (more than 49 cars), and (4) No Rail.
- **Time:** Crop year, from July 1992 to June 1993.
- **Commodity:** Hard red spring wheat, durum, barley, sunflowers, oats, soybeans, flaxseed, and corn.

Organization of the Report

Five groups of data will be presented this report: (1) individual elevator performance (eg. turnover) and distribution information (due to confidentiality agreements, each elevator receives individual data on only its own activities), (2) storage capacity, volume handled, and turnover ratios by elevator size and for each crop reporting district, (3) elevator distribution and modal choice for the state, (4) destination information for each of the state's nine crop reporting districts and each of the commodities, (5) modal selection for each of the crop reporting districts and for each commodity marketed. Elevator managers will be able to compare their performance to that of similar elevators (eg. size and location).

Definition of Elevator Summary Variables

Storage: Bushels of storage as reported by the elevator to the ND PSC.

Turnover Ratio: Ratio of grain and oilseed shipments to available storage capacity.

Elevator Size:

No Rail Elevator:	Elevator with no rail service
Single Car Elevator:	Elevator with track space for 1 to 24 cars
Multi Car Elevator:	Elevator with track space for 25 to 49 cars
Unit Train Elevator:	Elevator with track space for 50 cars or more

Information used in the reports was based on railroad and ND PSC data. Track space refers to the number of cars that can be loaded without railroad switching assistance.

Mode for Grain & Oilseed Shipments by Rail:

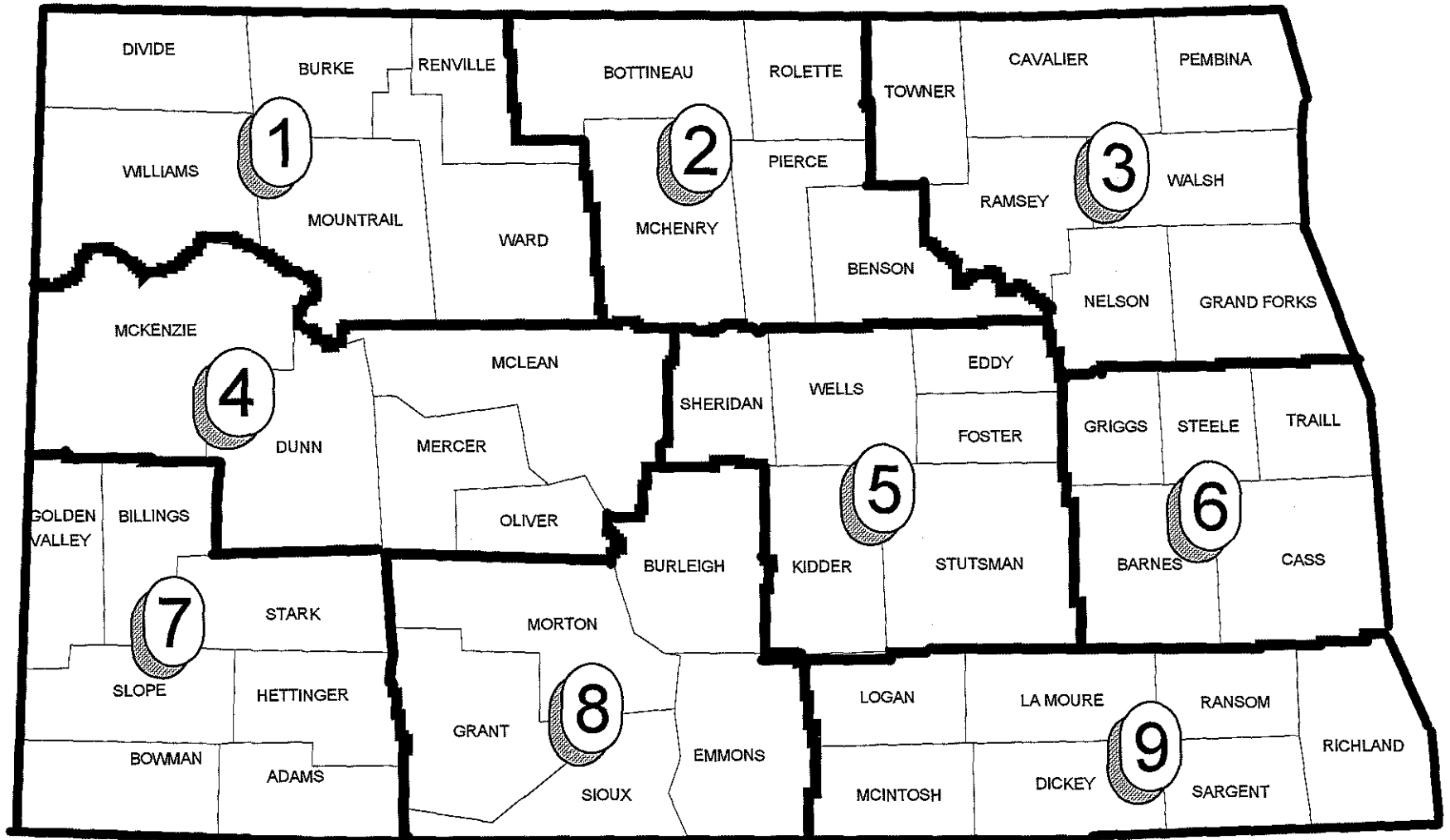
Single Car Shipments:	Car orders purchased under rates for 1 to 24 cars
25 to 49 Car Shipments:	Car orders purchased under rates for 25 to 49 cars
50 Car Shipments:	Car orders purchased under rates for 50 or more cars

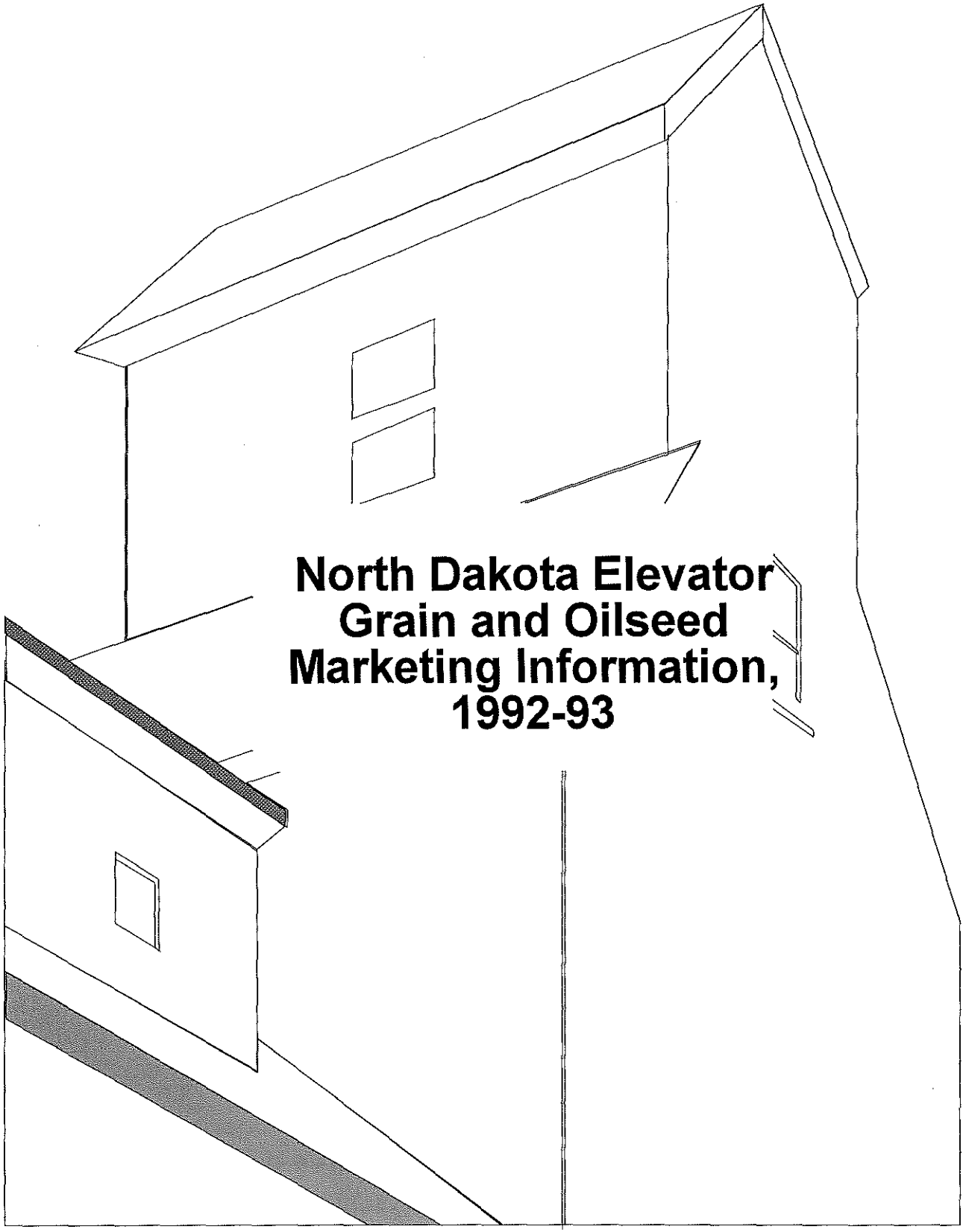
Information used in reports was based on the monthly grain and oilseed movement and storage reports that elevators submit to the ND PSC.

Destinations for Grain and Oilseed Shipments:

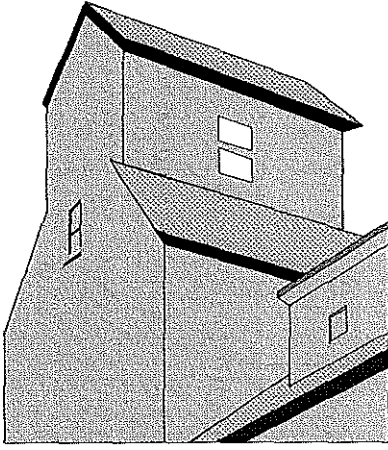
Destinations for grain and oilseed shipments, reported by the elevators in the monthly reports, are not final destinations for shipments. The destinations reported for rail shipments are the Waybill destinations. The destinations for truck shipments are reported as they are specified on the billing statement.

NORTH DAKOTA CROP REPORTING DISTRICTS





**North Dakota Elevator
Grain and Oilseed
Marketing Information,
1992-93**



North Dakota Elevators, 1992-93

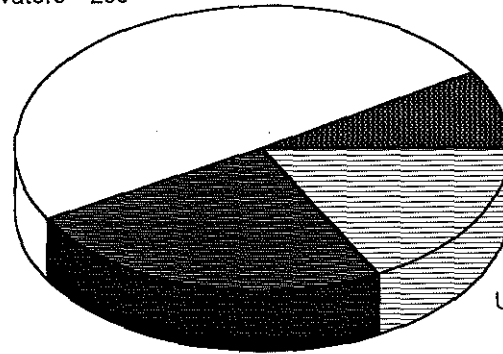
Storage: **228,357** Thousand Bu.

Grain Handled: **704,083** Thousand Bu.

Turnover: **3.08**

Elevator Categories

Single Car Elevators 209



No Rail Elevators 38

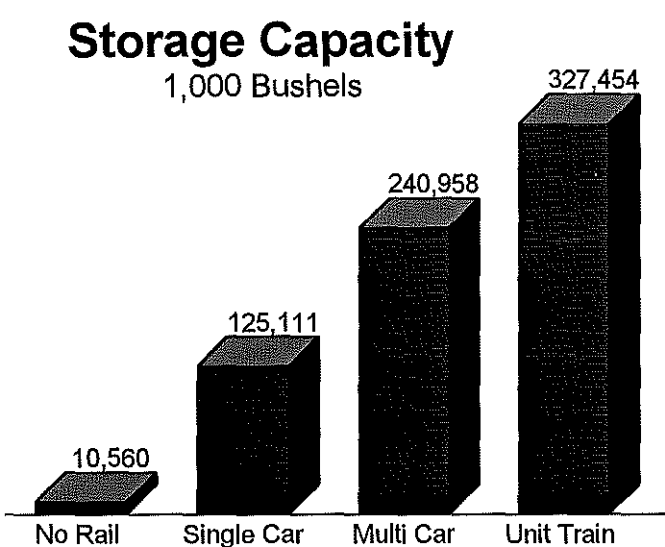
Unit Train Elevators 73

Multi Car Elevators 105

Note: Elevator categories are based on the number of rail cars an elevator can load without railroad switching assistance.

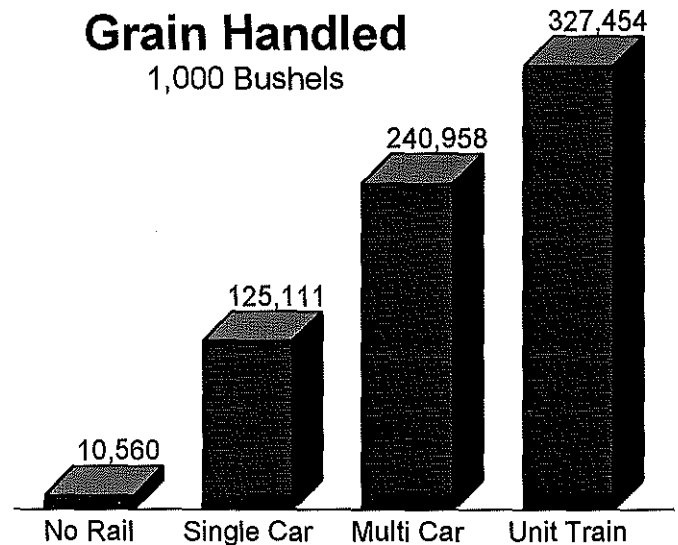
Storage Capacity

1,000 Bushels

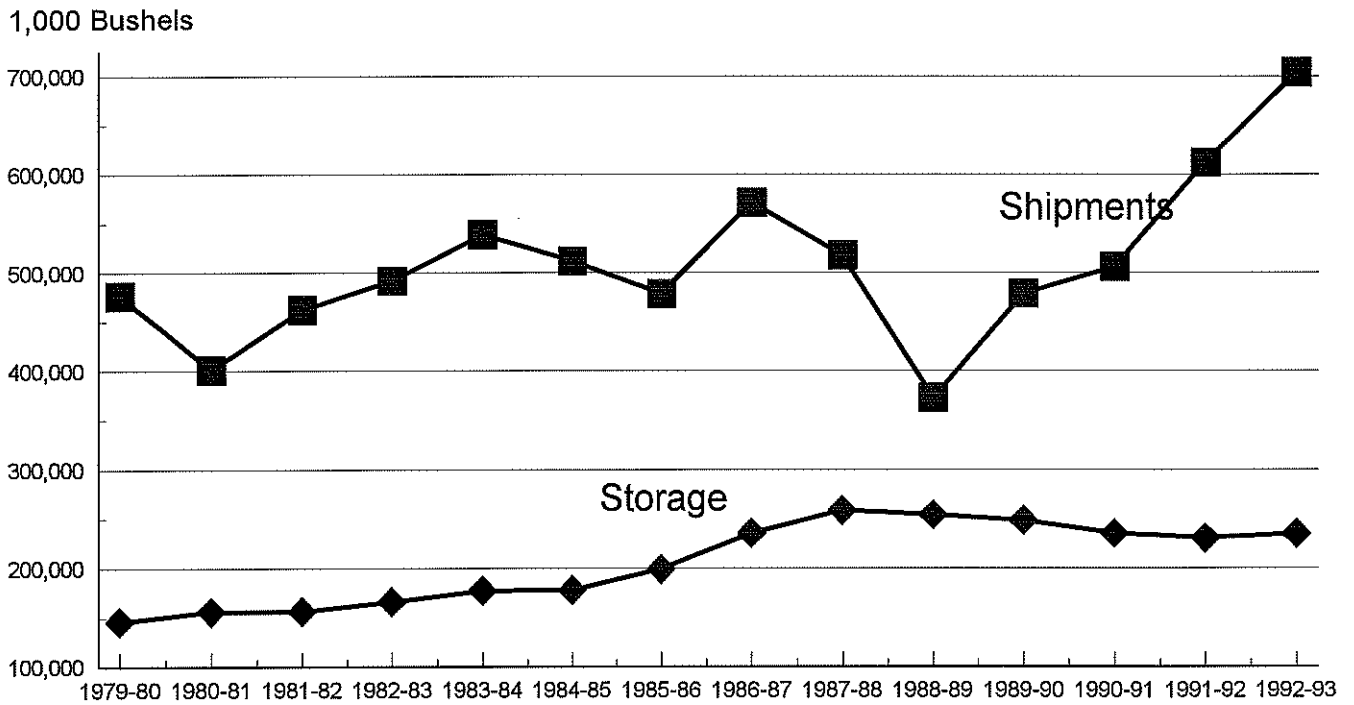


Grain Handled

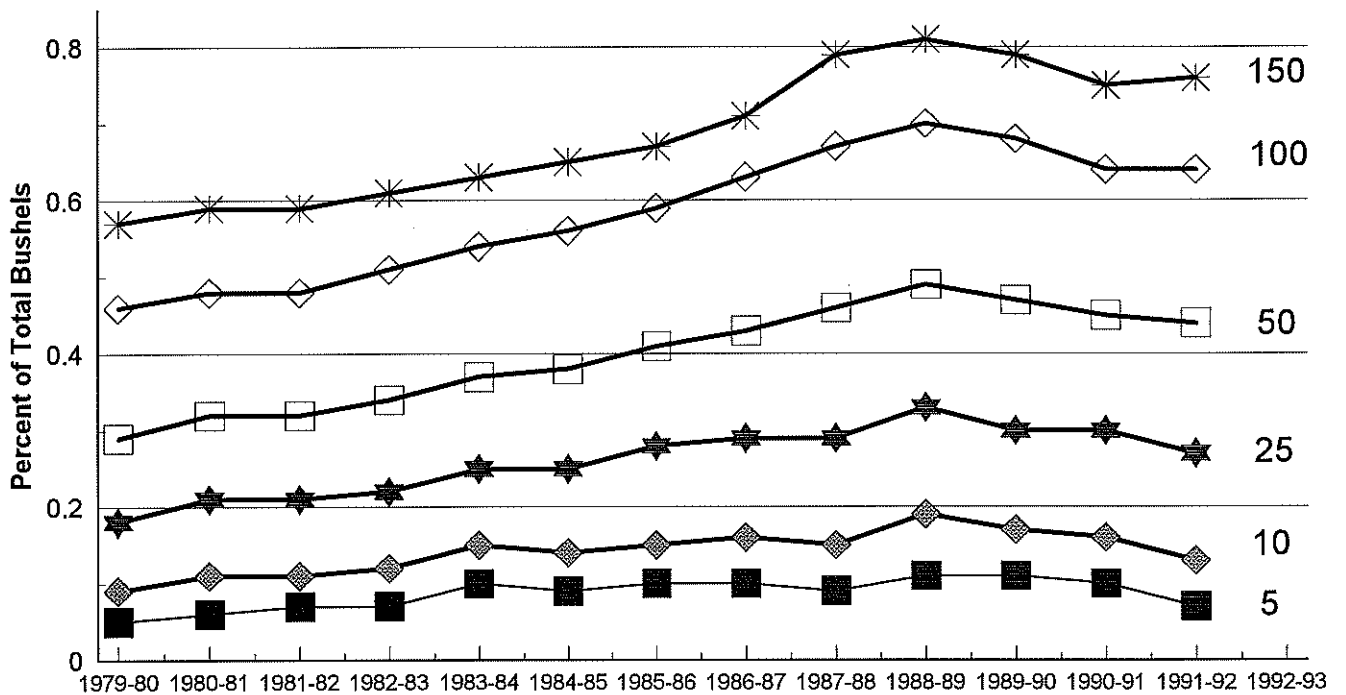
1,000 Bushels



Storage and Total Grain Shipments for North Dakota Elevators

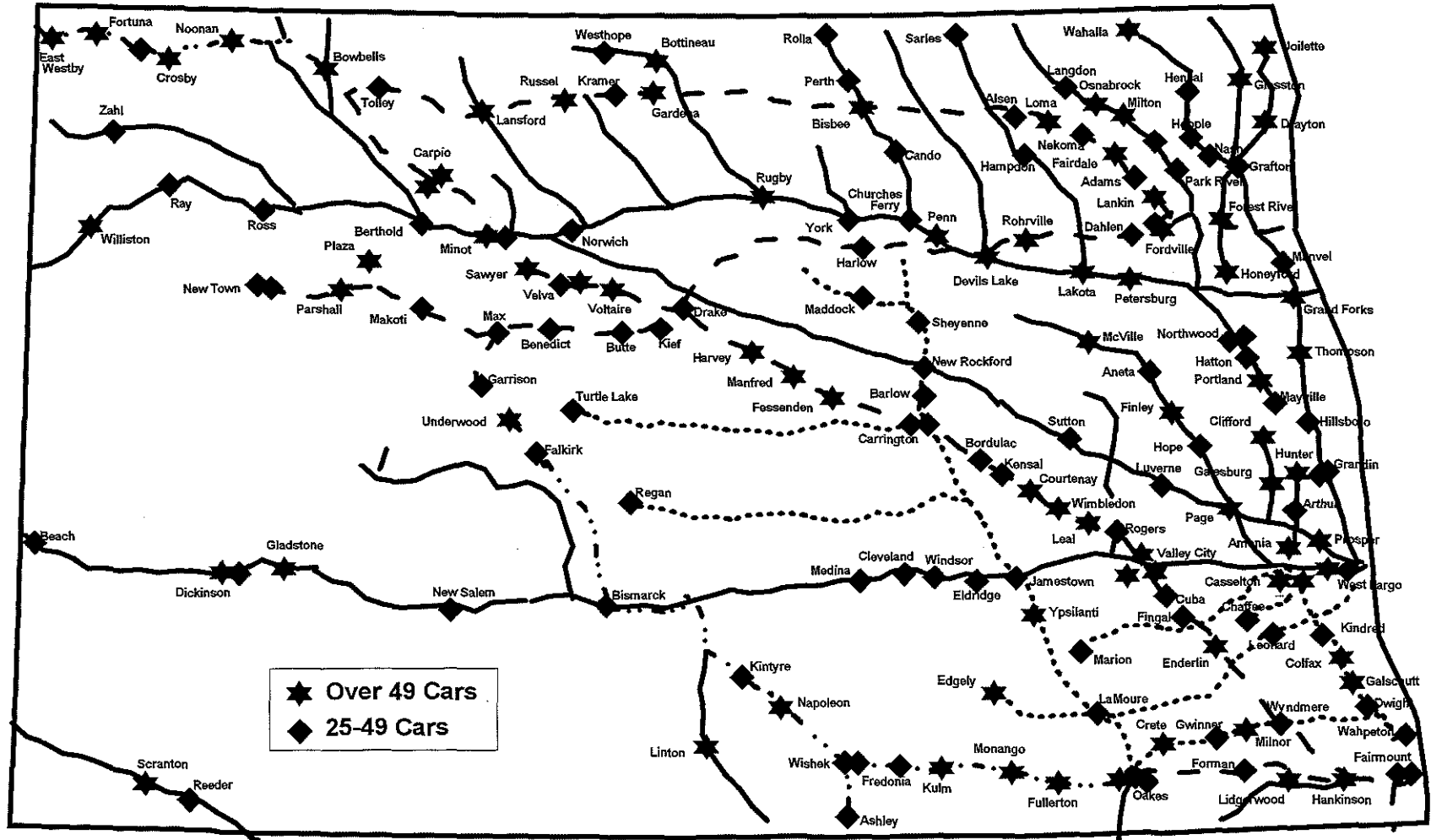


Concentration Ratios for North Dakota's 5, 10, 25, 50, 100, and 150 Largest Volume Elevators



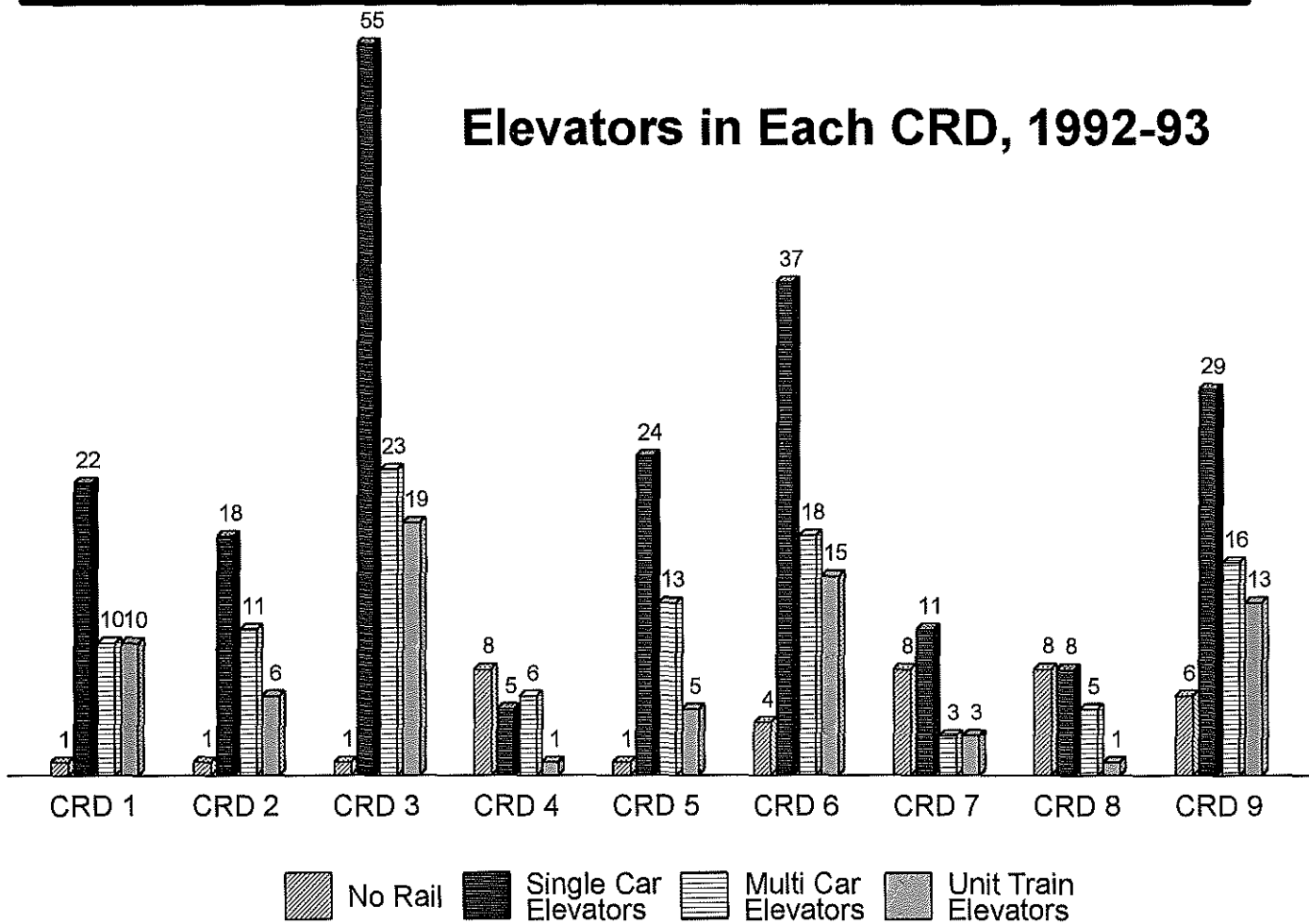
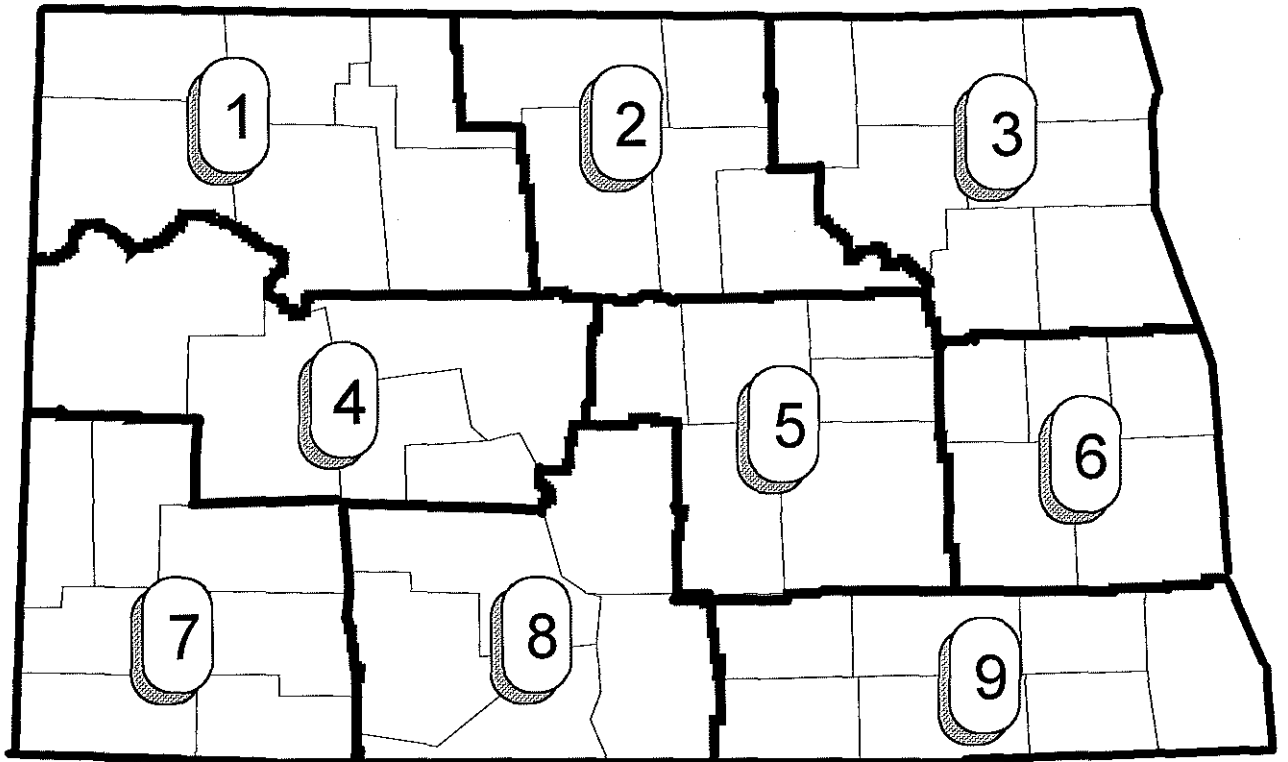
NORTH DAKOTA MULTI & UNIT CAR LOADING STATIONS, 1993

CT



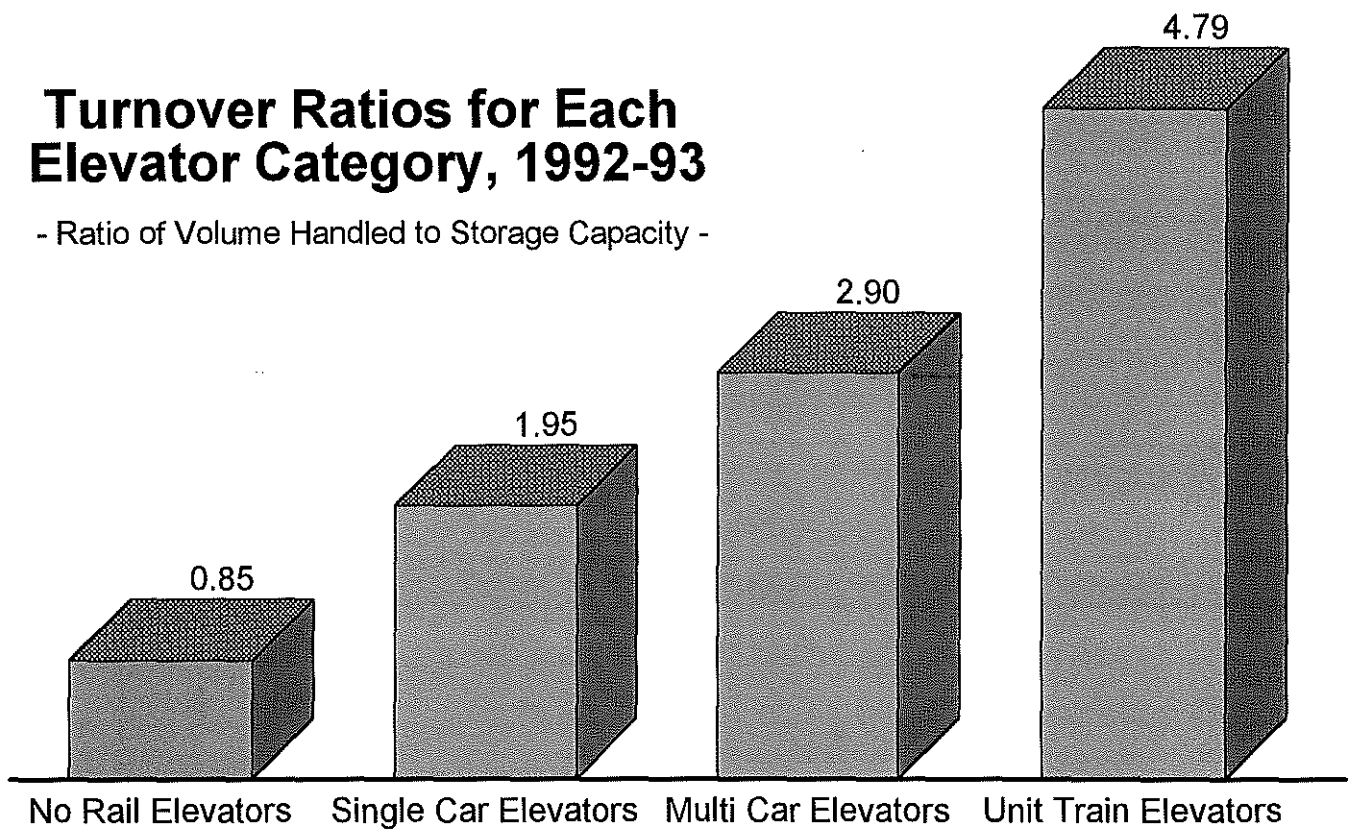
Burlington Northern ———
 CP Rail - - -
 Red River Valley & Western
 Dakota, Missouri Valley & Western -

NORTH DAKOTA CROP REPORTING DISTRICTS



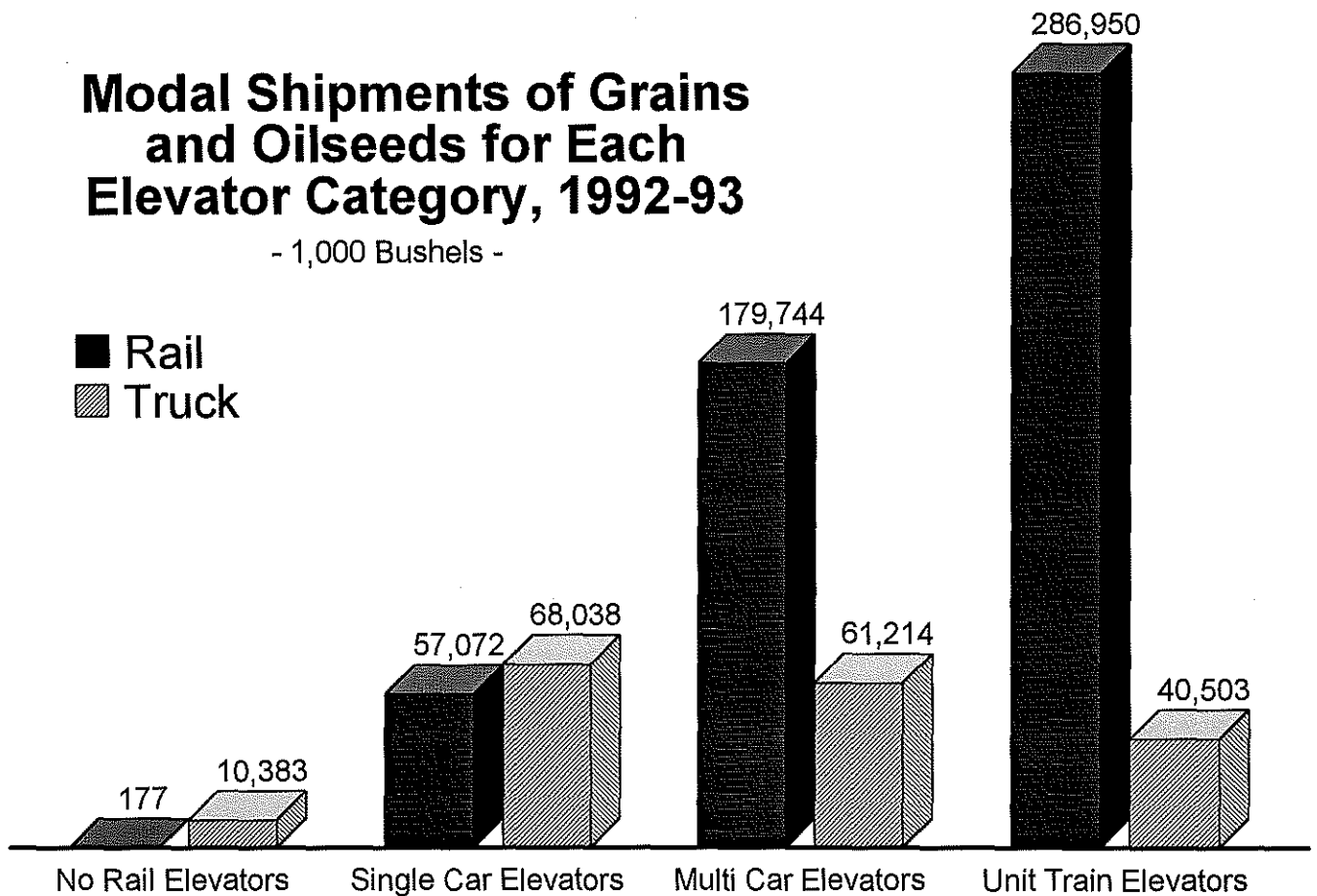
Turnover Ratios for Each Elevator Category, 1992-93

- Ratio of Volume Handled to Storage Capacity -



Modal Shipments of Grains and Oilseeds for Each Elevator Category, 1992-93

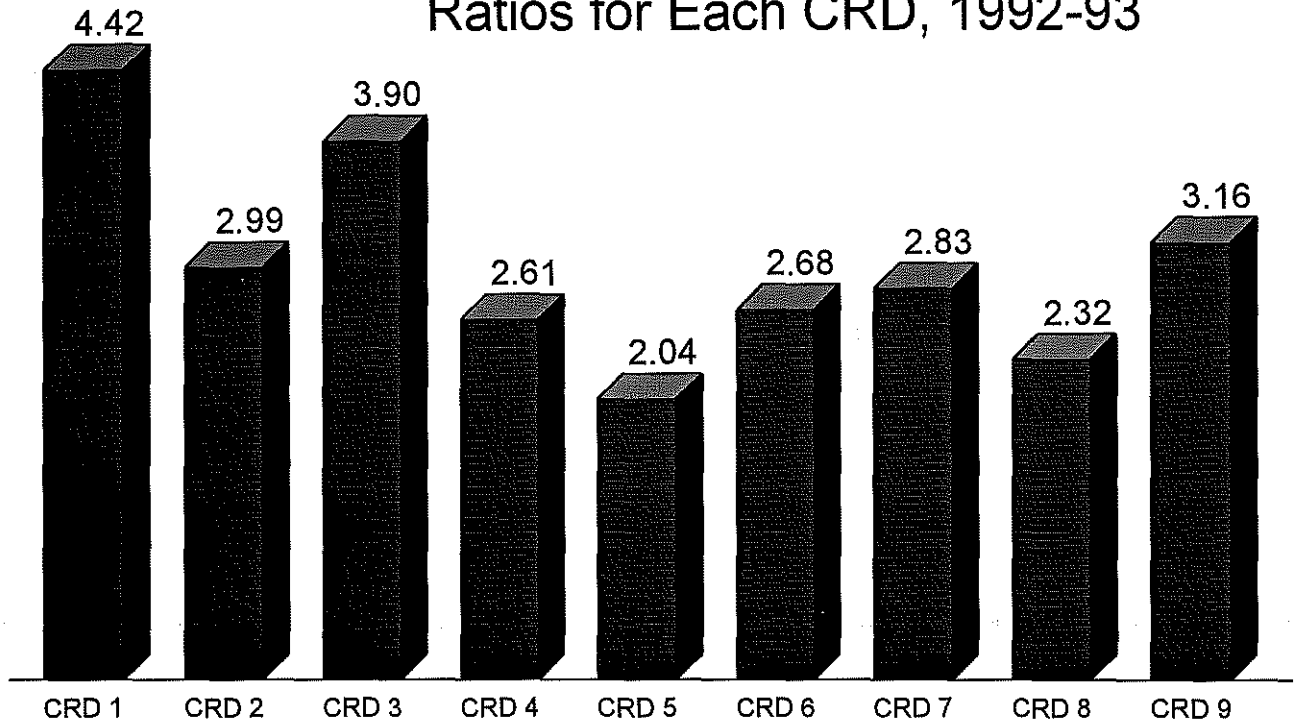
- 1,000 Bushels -



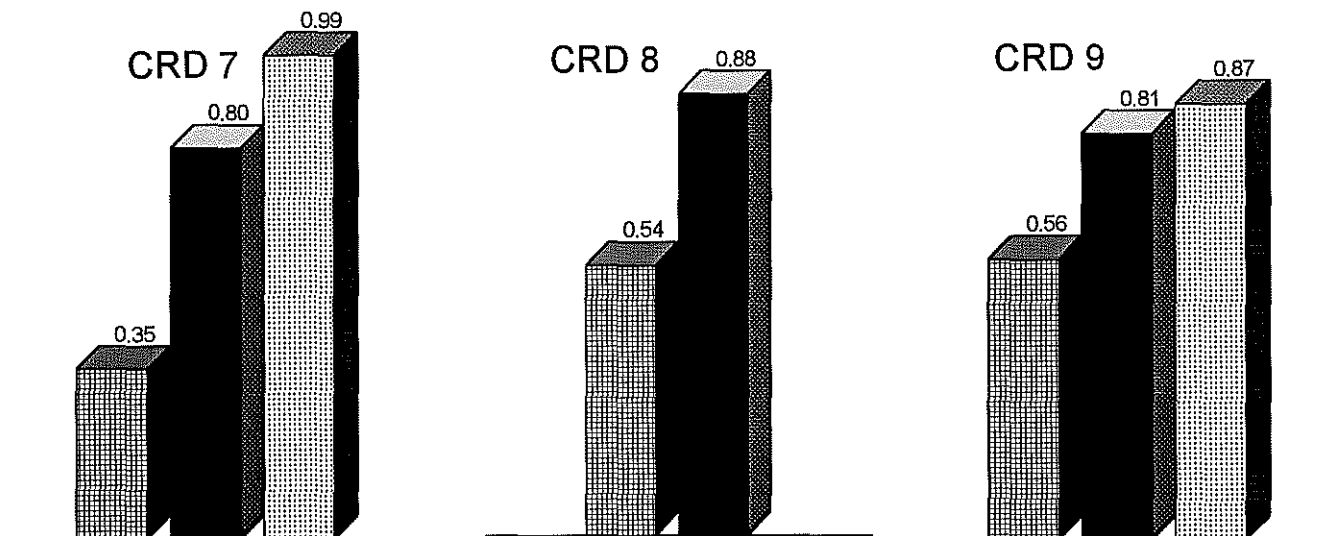
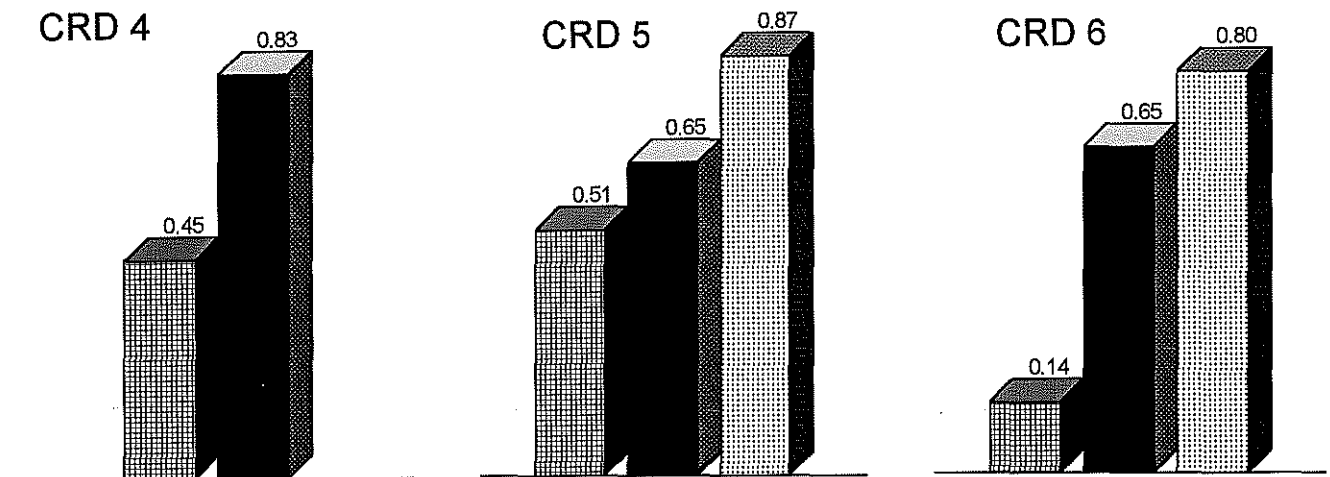
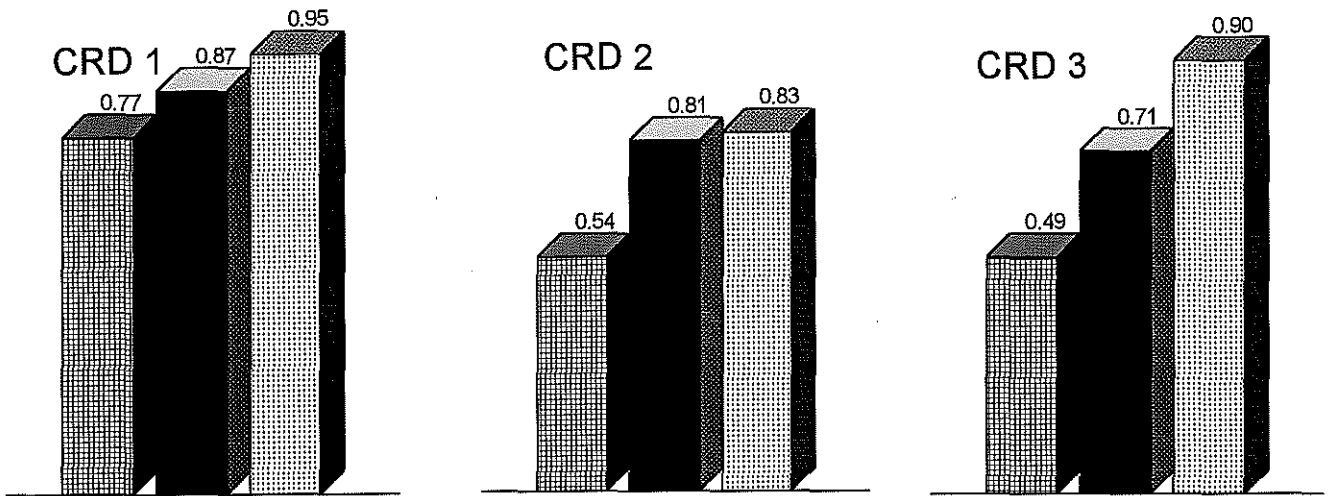
**ND Elevator Shipments, Storage, and Turnover Ratios
for Each CRD, 1992-93**

CRD	# Elev	Storage Capacity	Total Shipments	Turnover
1	43	21,753,500	96,074,879	4.42
2	36	17,736,000	55,962,680	2.99
3	98	46,730,067	182,267,045	3.90
4	20	7,852,500	20,521,307	2.61
5	43	34,952,100	71,386,056	2.04
6	74	49,213,778	131,995,941	2.68
7	25	11,600,500	32,833,509	2.83
8	22	6,673,000	15,455,511	2.32
9	64	30,845,350	97,586,079	3.16
All	425	228,356,795	704,083,007	3.08

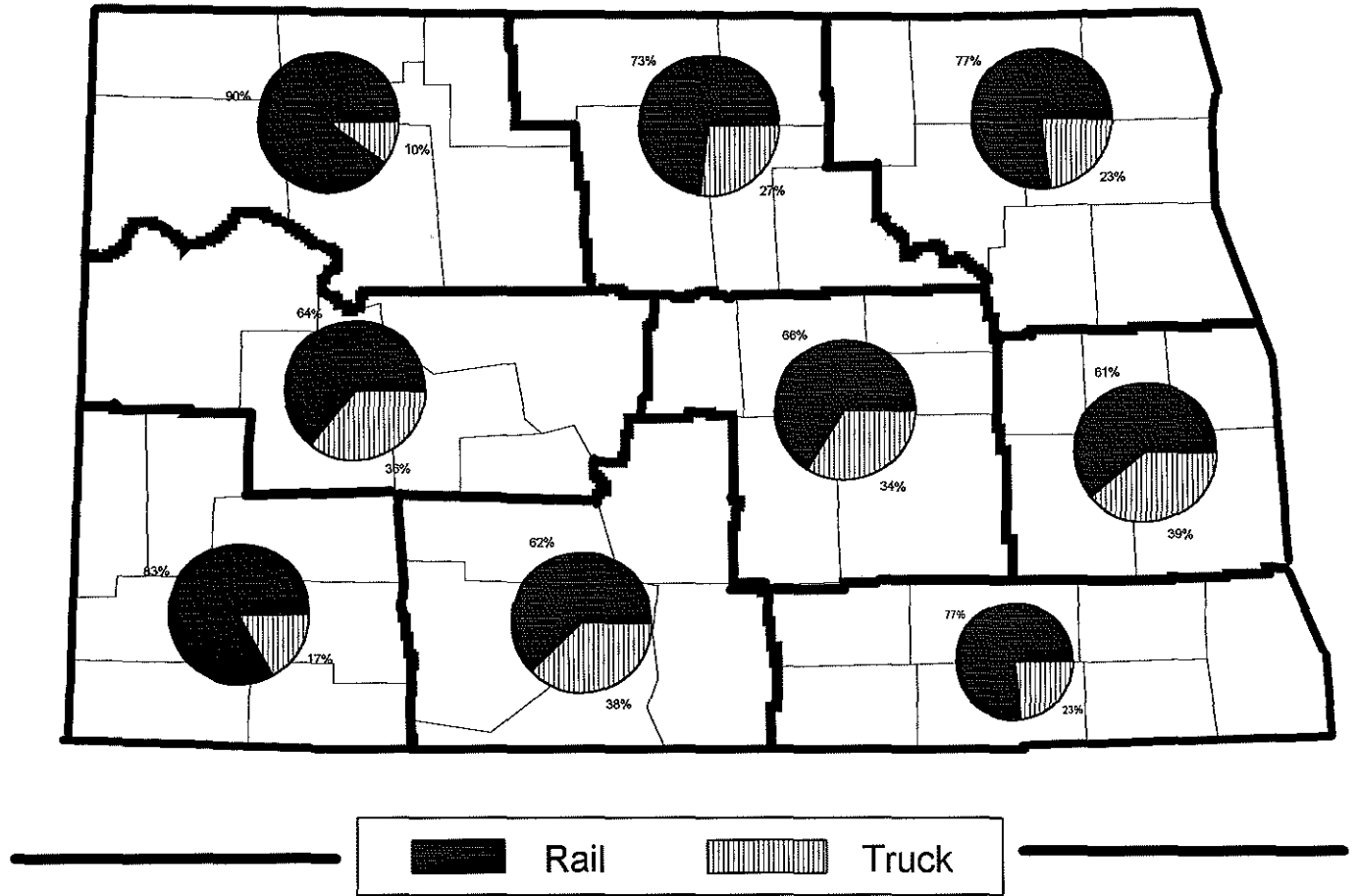
**Total Shipments to Storage Turnover
Ratios for Each CRD, 1992-93**



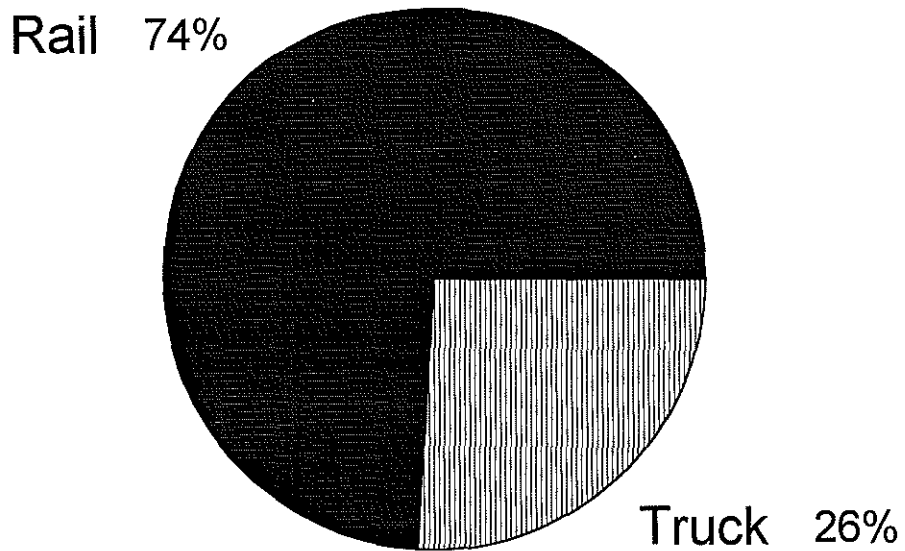
Percent of Shipments by Rail for Elevators in Each CRD, 1992-93

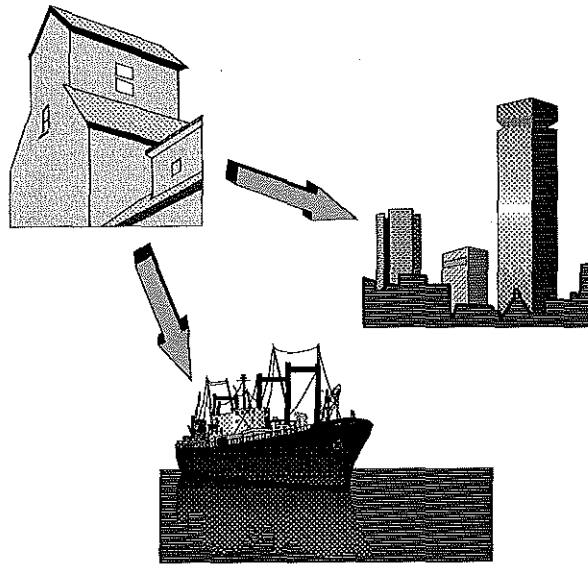


Modal Share of Grain and Oilseed Shipments from Each CRD, 1992-93

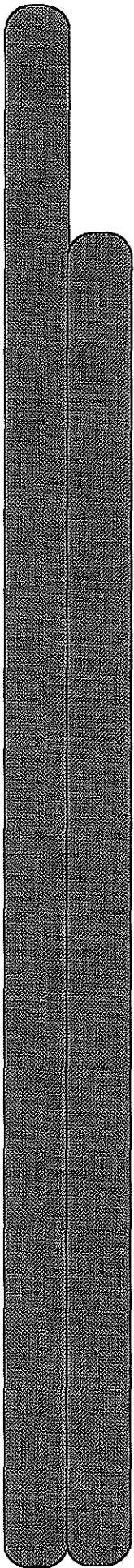


Rail/Truck Share of Grain and Oilseed Shipments from ND, 1992-93



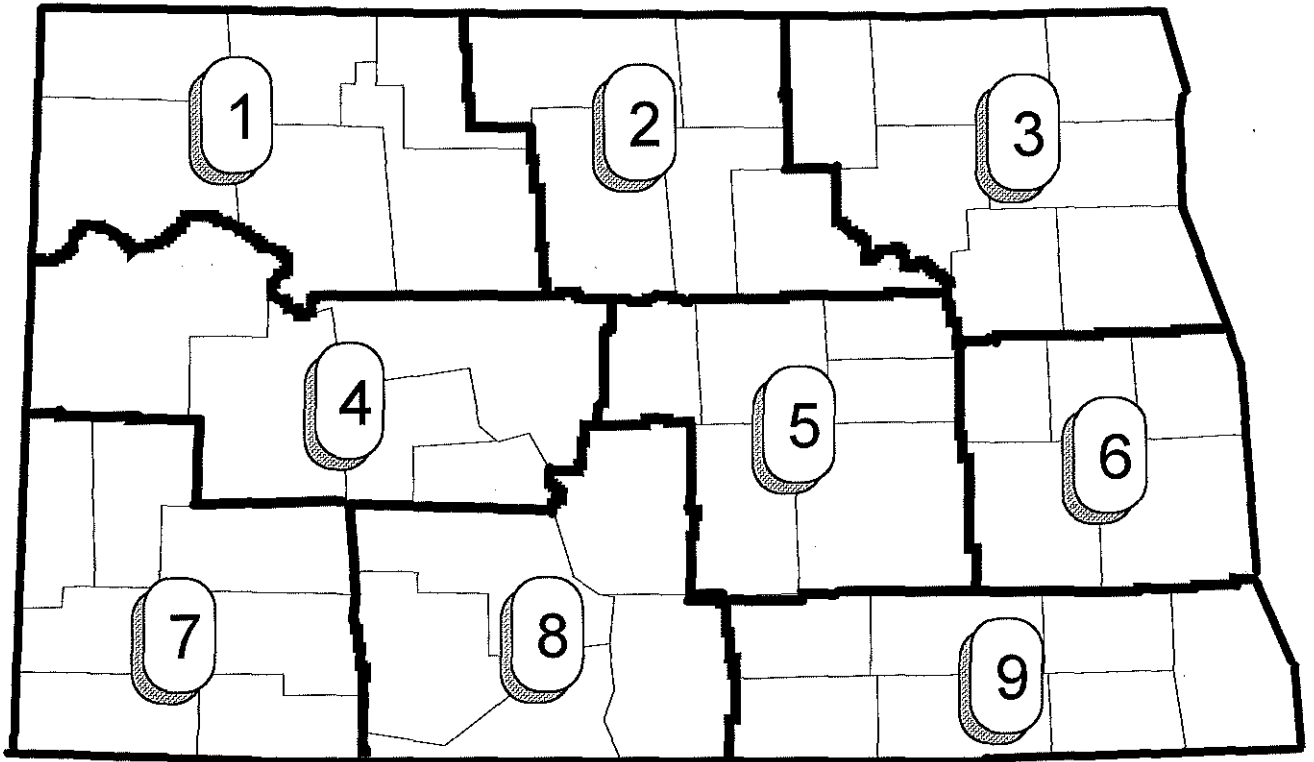


**DESTINATIONS FOR GRAIN AND
OILSEED SHIPMENTS ORIGINATING
FROM NORTH DAKOTA ELEVATORS**



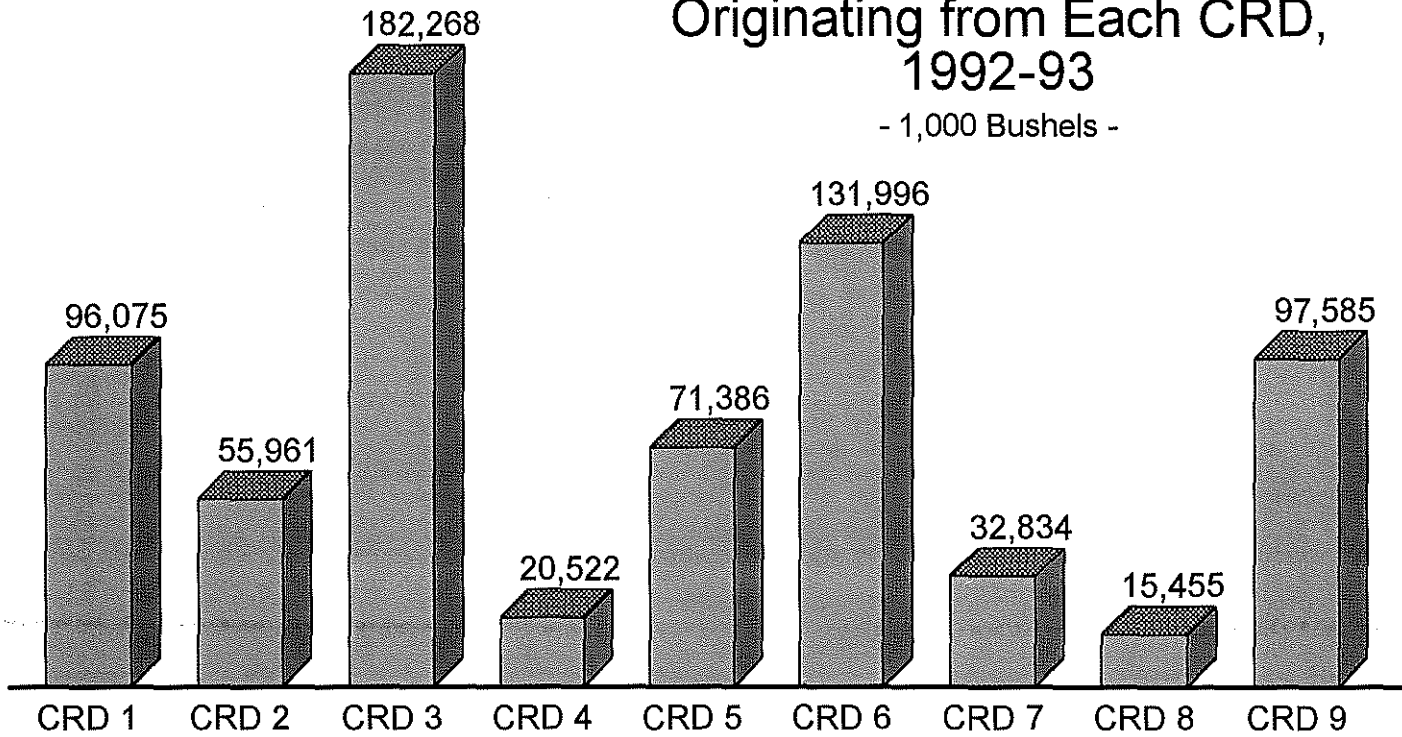
All Grains and Oilseeds

NORTH DAKOTA CROP REPORTING DISTRICTS

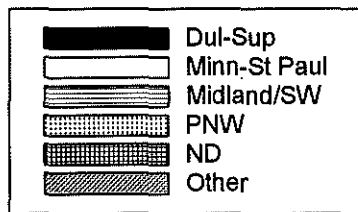
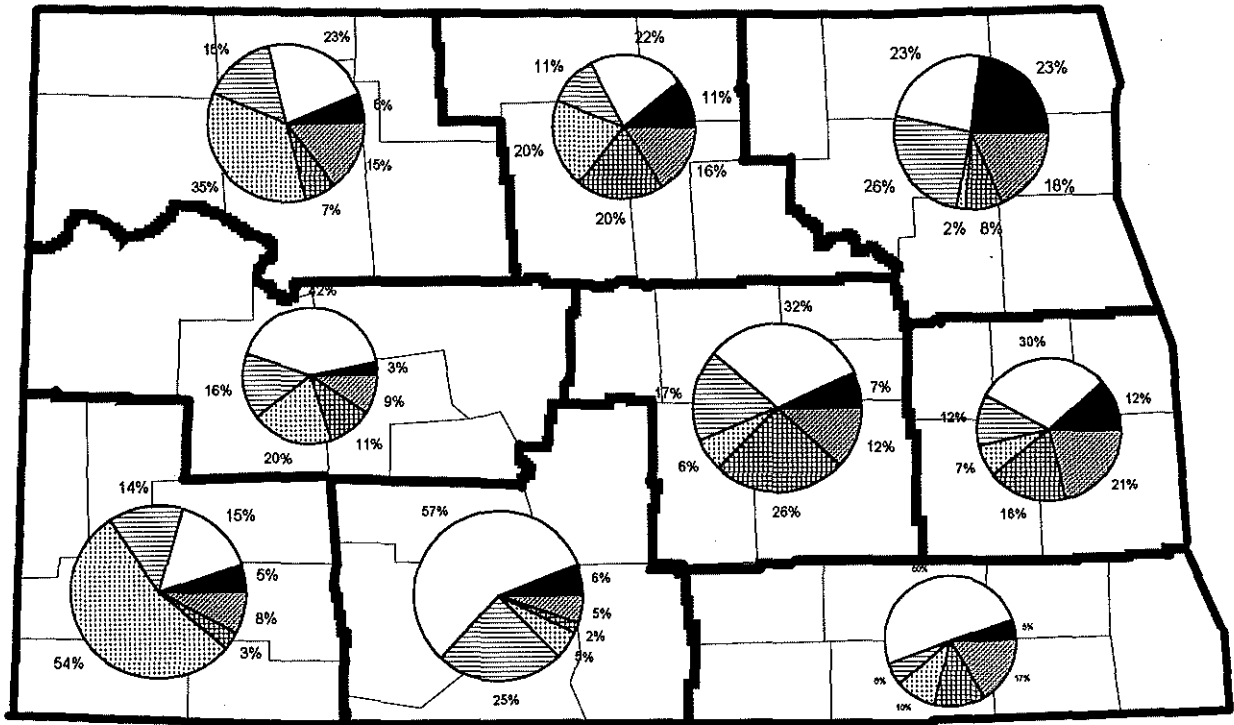


Grain & Oilseed Shipments Originating from Each CRD, 1992-93

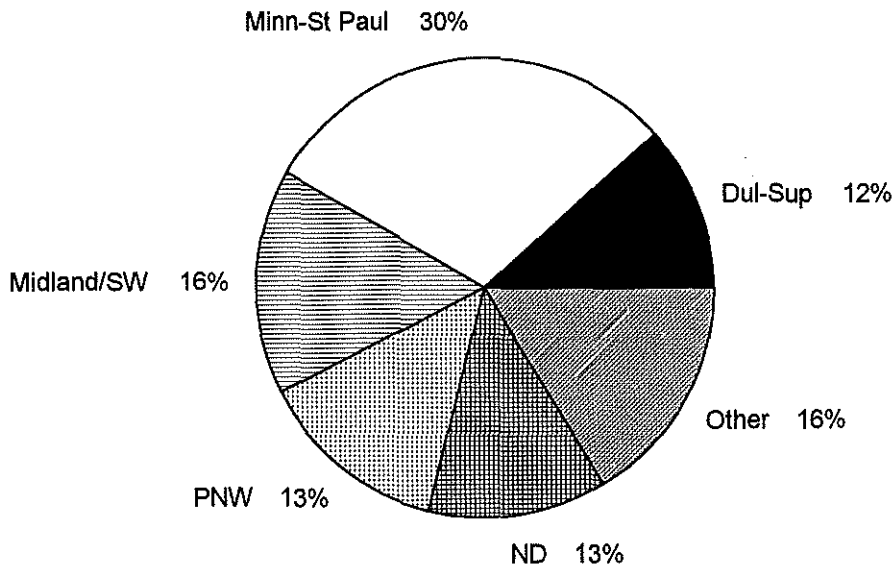
- 1,000 Bushels -



Destinations for Grain and Oilseed Shipments from Each CRD, 1992-93

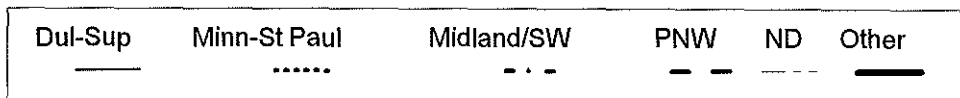
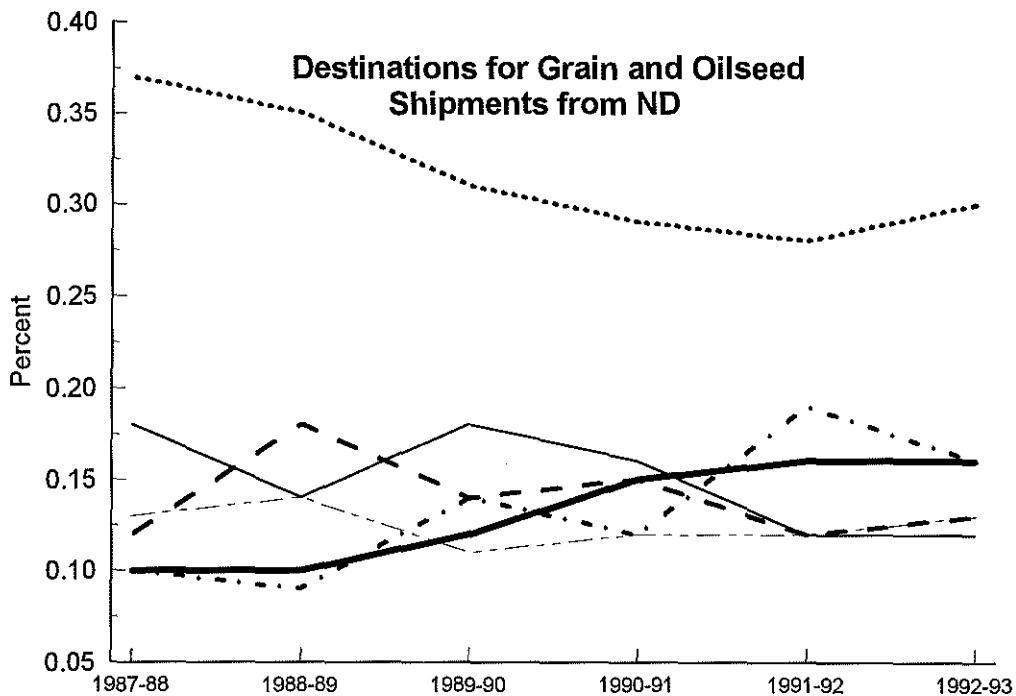


Destinations for Grain and Oilseed Shipments from ND Elevators, 1992-93

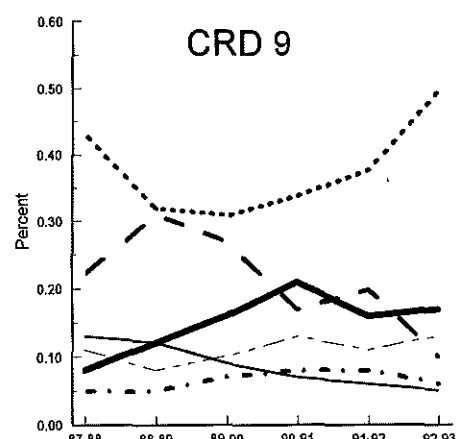
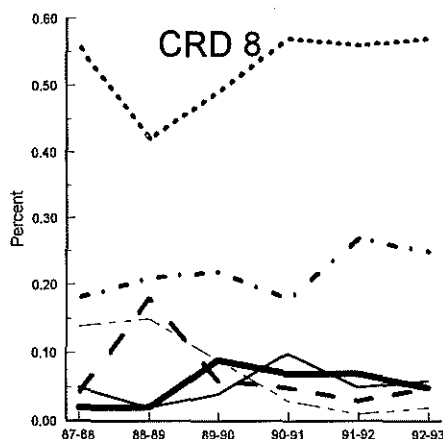
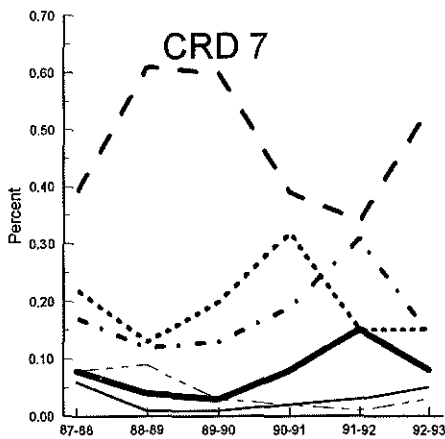
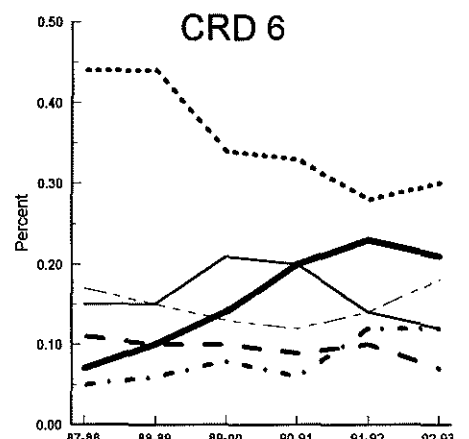
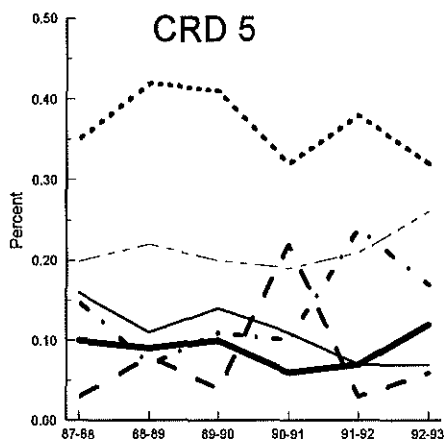
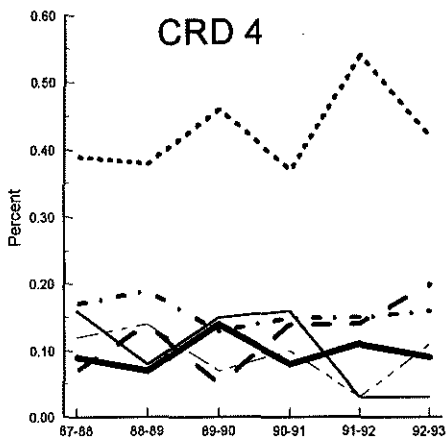
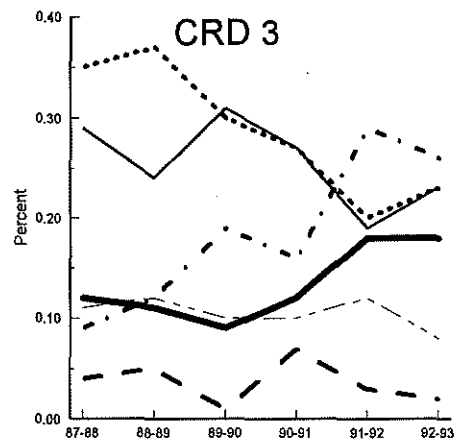
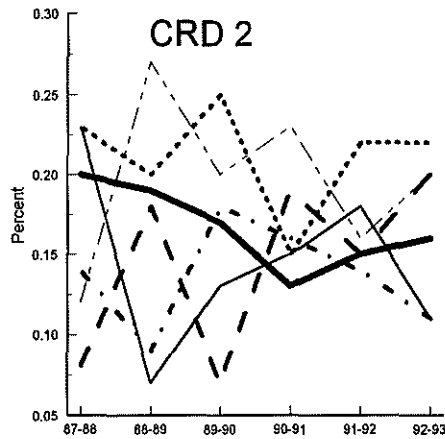
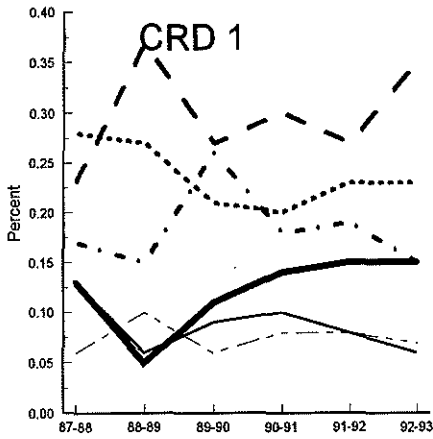


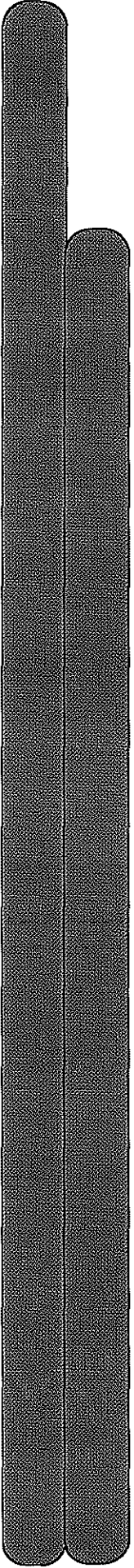
Destinations for Grain and Oilseed Shipments from ND
(1,000 Bushels)

	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1987-88	92,320	189,238	53,503	64,727	64,982	53,066	517,836
	0.18	0.37	0.10	0.12	0.13	0.10	
1988-89	50,767	131,811	34,389	67,862	50,854	36,694	372,377
	0.14	0.35	0.09	0.18	0.14	0.10	
1989-90	85,112	147,313	65,807	67,347	54,110	58,731	478,420
	0.18	0.31	0.14	0.14	0.11	0.12	
1990-91	80,740	148,949	60,522	77,311	61,987	76,713	506,222
	0.16	0.29	0.12	0.15	0.12	0.15	
1991-92	73,030	173,784	114,903	75,901	74,695	100,450	612,763
	0.12	0.28	0.19	0.12	0.12	0.16	
1992-93	82,088	210,649	112,349	95,005	89,780	114,221	704,092
	0.12	0.30	0.16	0.13	0.13	0.16	



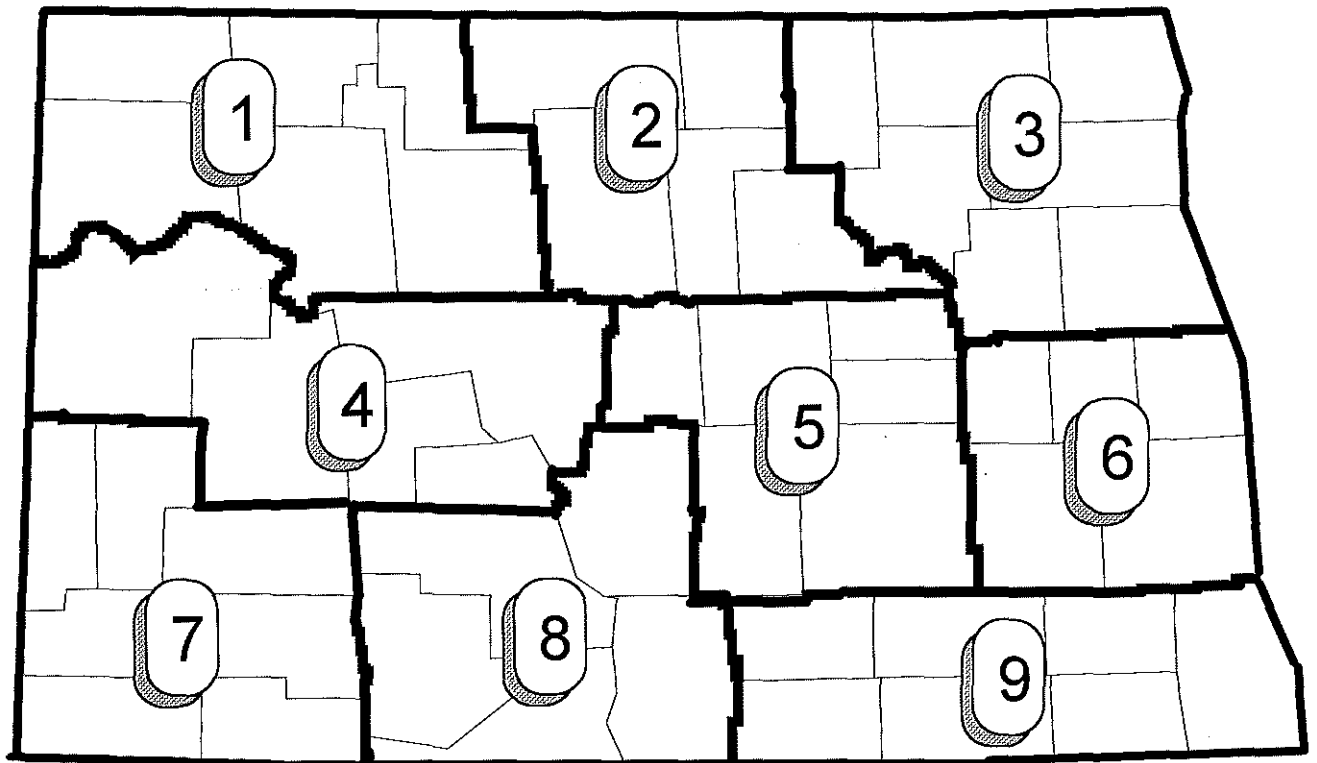
Destinations for Grain and Oilseed Shipments from ND CRDs





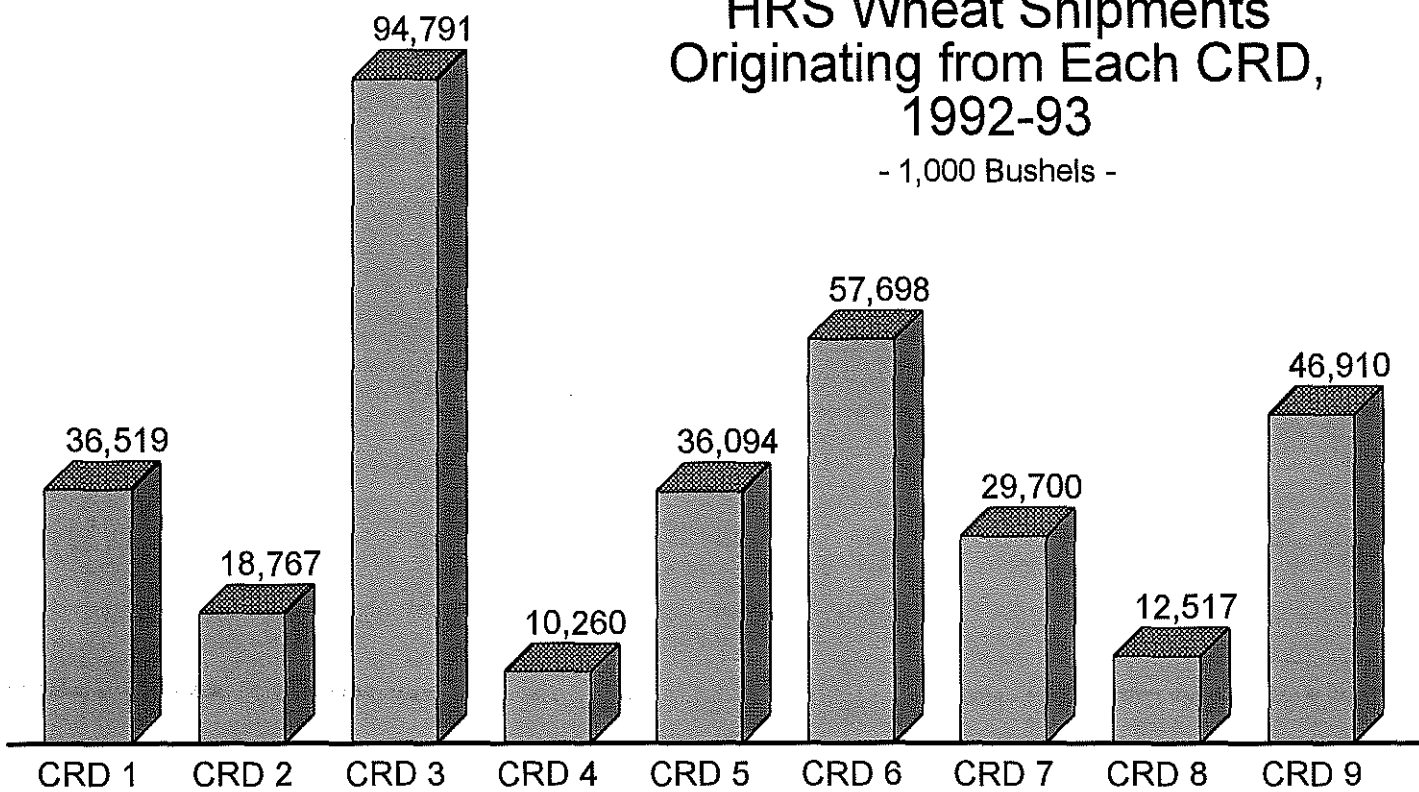
HRS Wheat

NORTH DAKOTA CROP REPORTING DISTRICTS

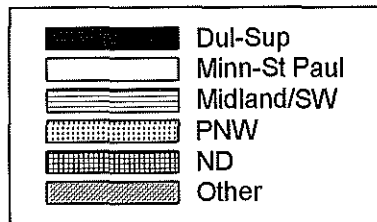
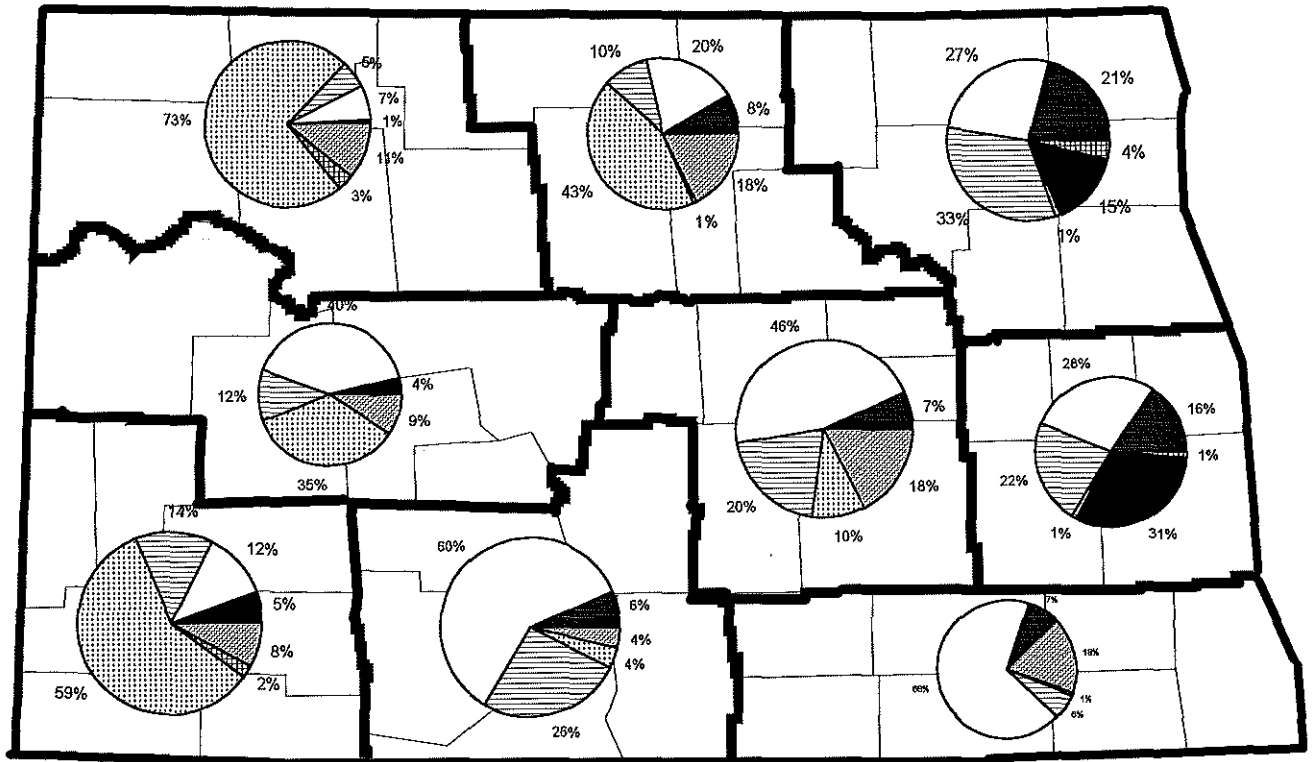


HRS Wheat Shipments Originating from Each CRD, 1992-93

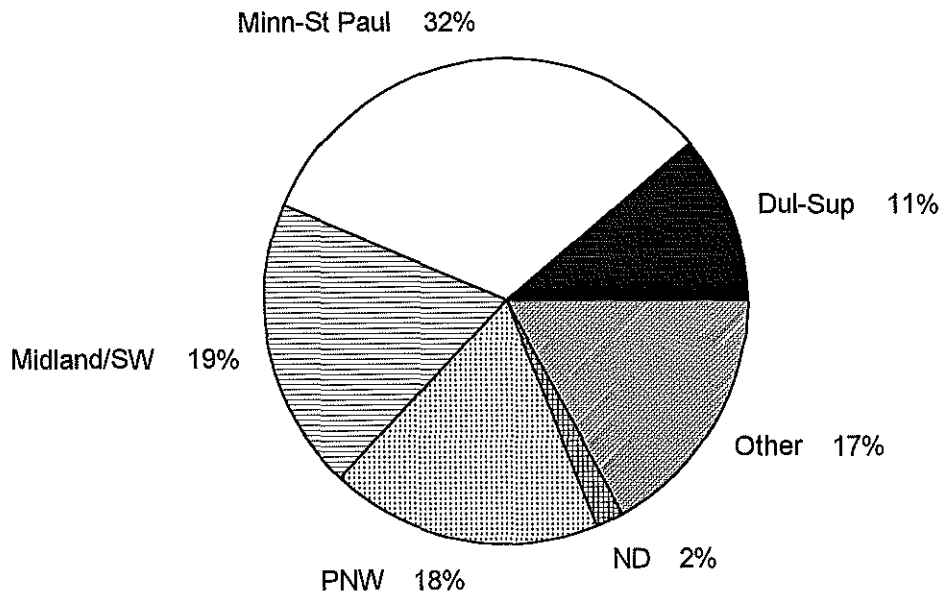
- 1,000 Bushels -



Destinations for HRS Wheat Shipments from Each CRD, 1992-93

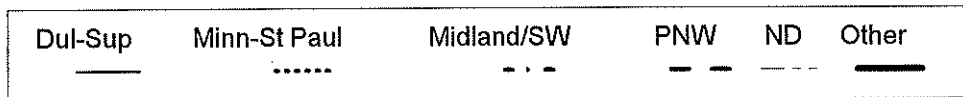
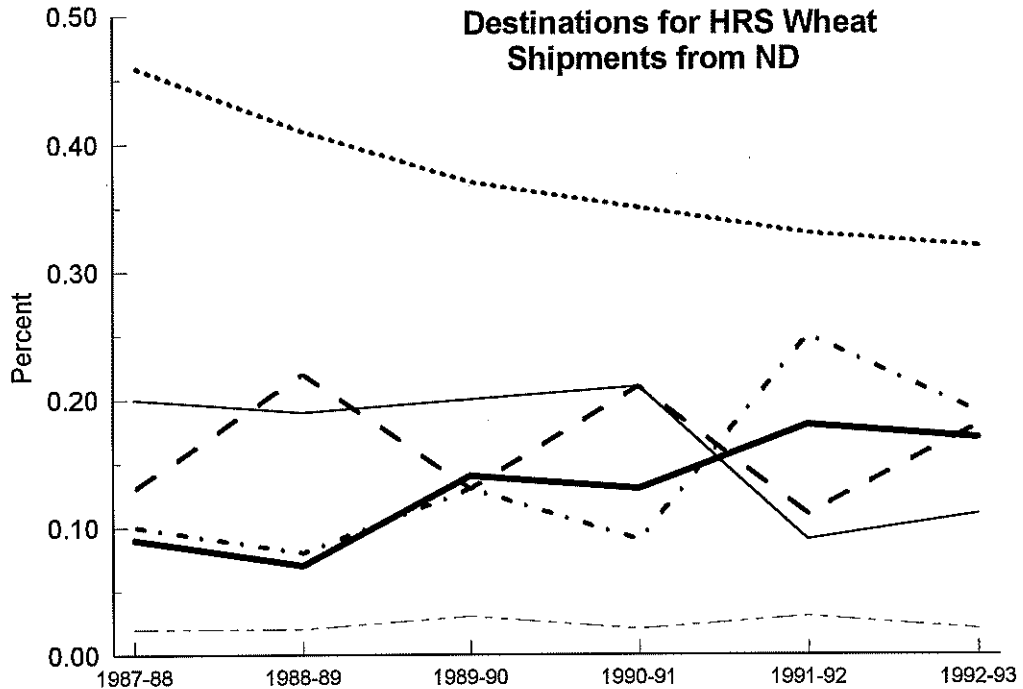


Destinations for HRS Wheat Shipments from ND Elevators, 1992-93

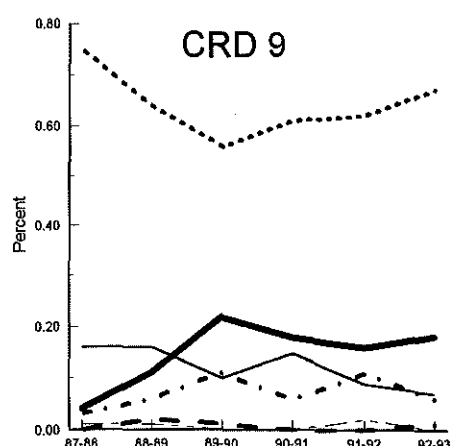
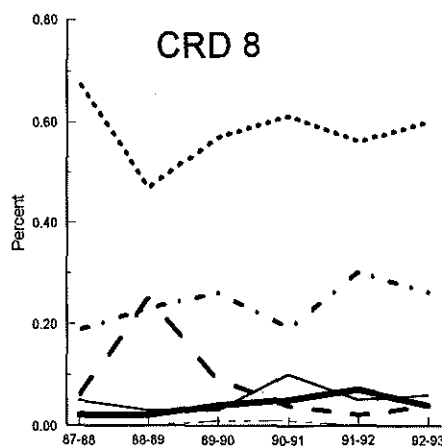
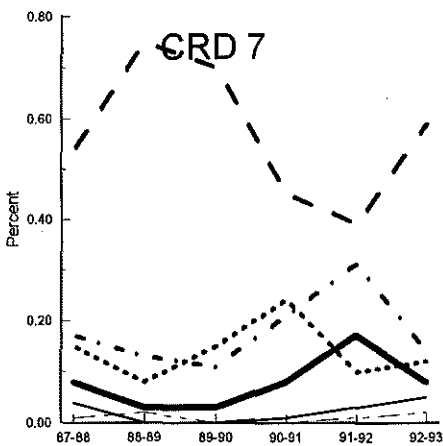
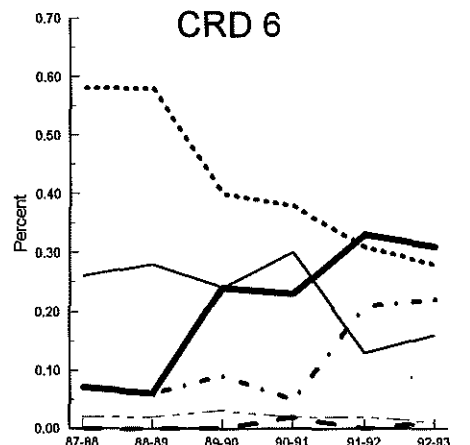
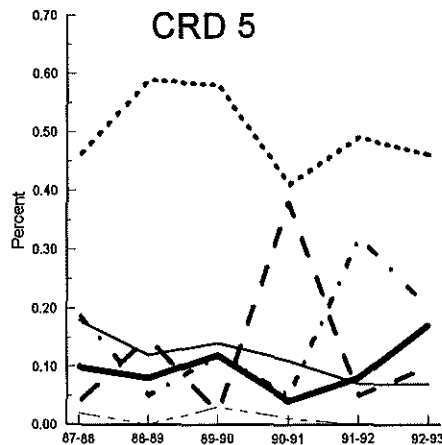
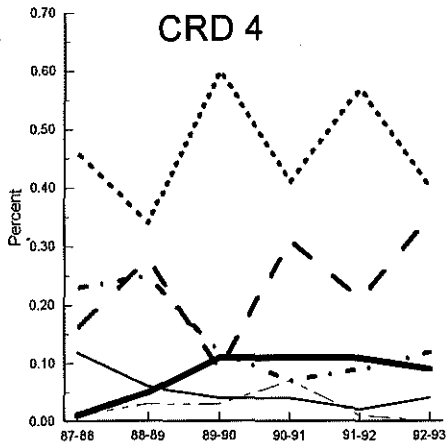
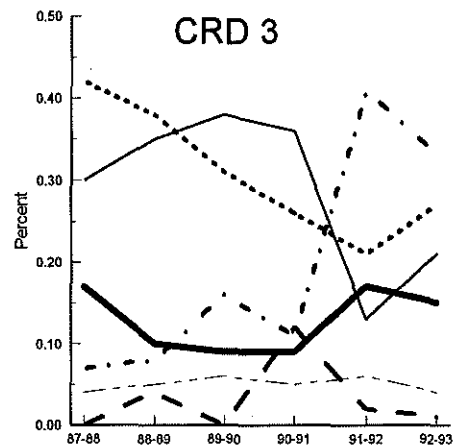
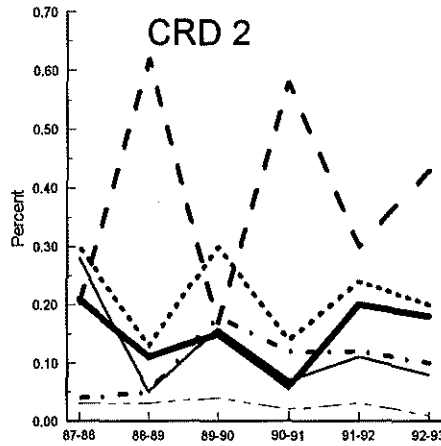
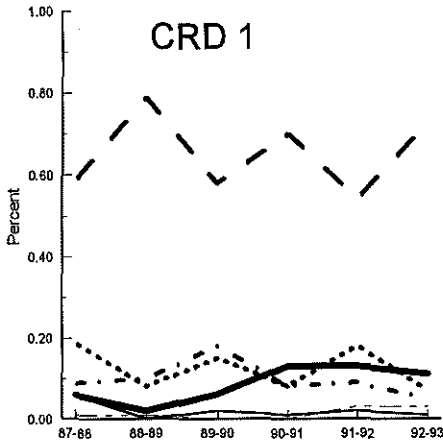


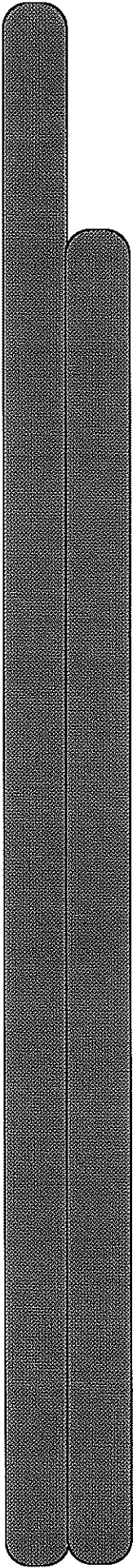
Destinations for HRS Wheat Shipments from ND
(1,000 Bushels)

	Dul-Sup	Minn-St Paul	PNW	ND	Midland/SW	Other	Total
1987-88	36,755 0.20	62,463 0.33	23,549 0.13	3,832 0.02	19,124 0.10	42,112 0.22	187,835
1988-89	26,239 0.19	42,265 0.31	29,789 0.22	3,222 0.02	11,529 0.08	22,595 0.17	135,639
1989-90	38,510 0.20	58,880 0.31	25,131 0.13	5,362 0.03	25,647 0.13	38,955 0.20	192,485
1990-91	39,229 0.21	56,356 0.29	39,521 0.21	4,042 0.02	16,898 0.09	35,026 0.18	191,072
1991-92	23,892 0.09	74,837 0.29	29,290 0.11	7,005 0.03	66,246 0.25	60,150 0.23	261,420
1992-93	38,573 0.11	81,210 0.24	62,458 0.18	6,684 0.02	66,819 0.19	88,517 0.26	344,261



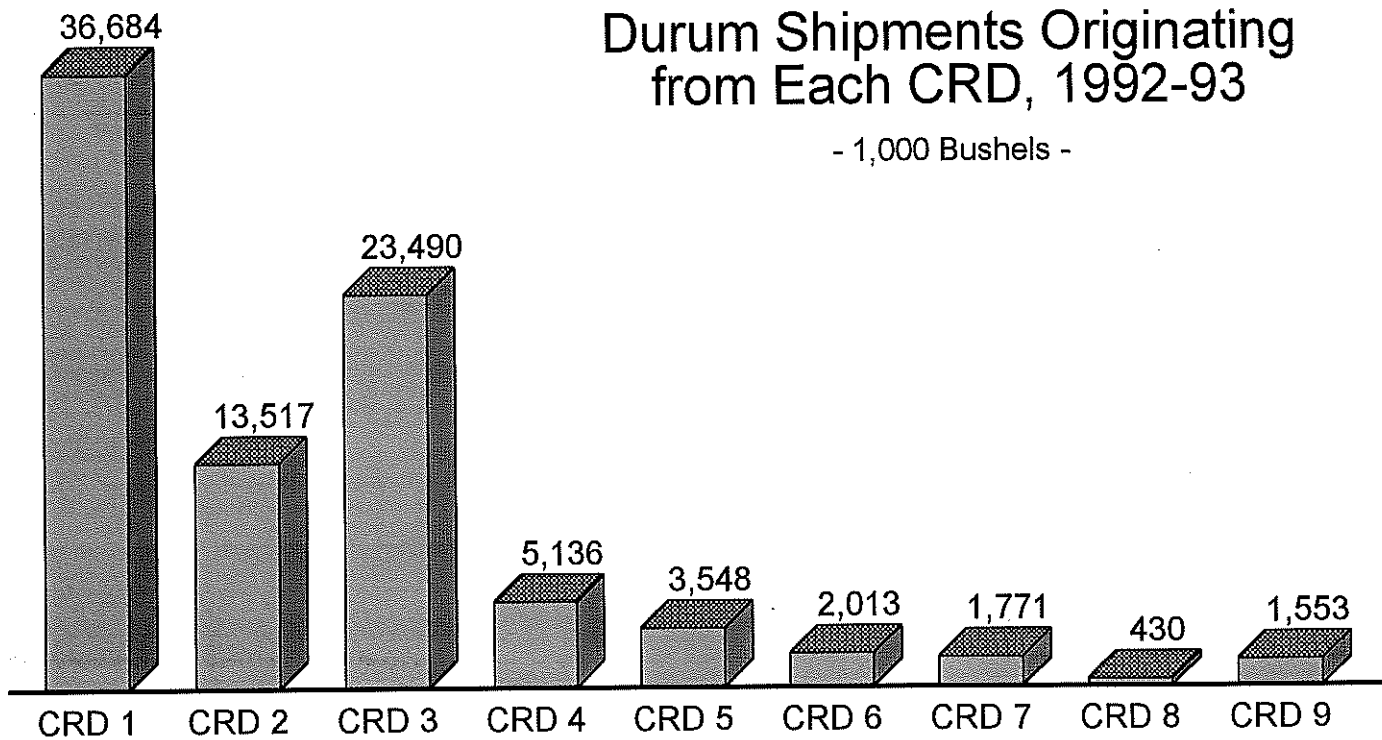
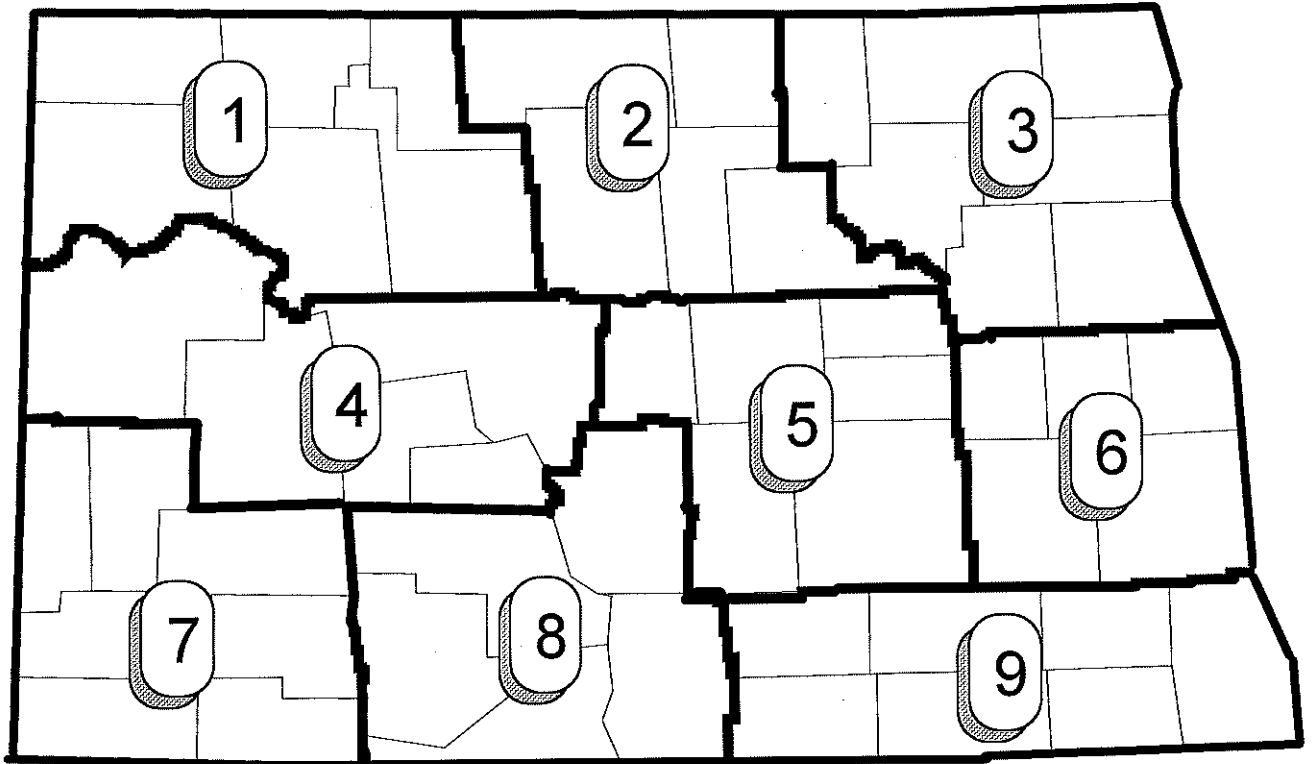
Destinations for HRS Wheat Shipments from ND CRDs



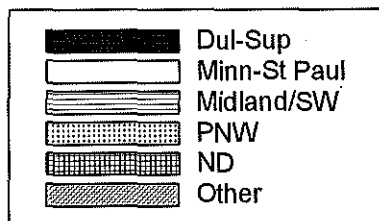
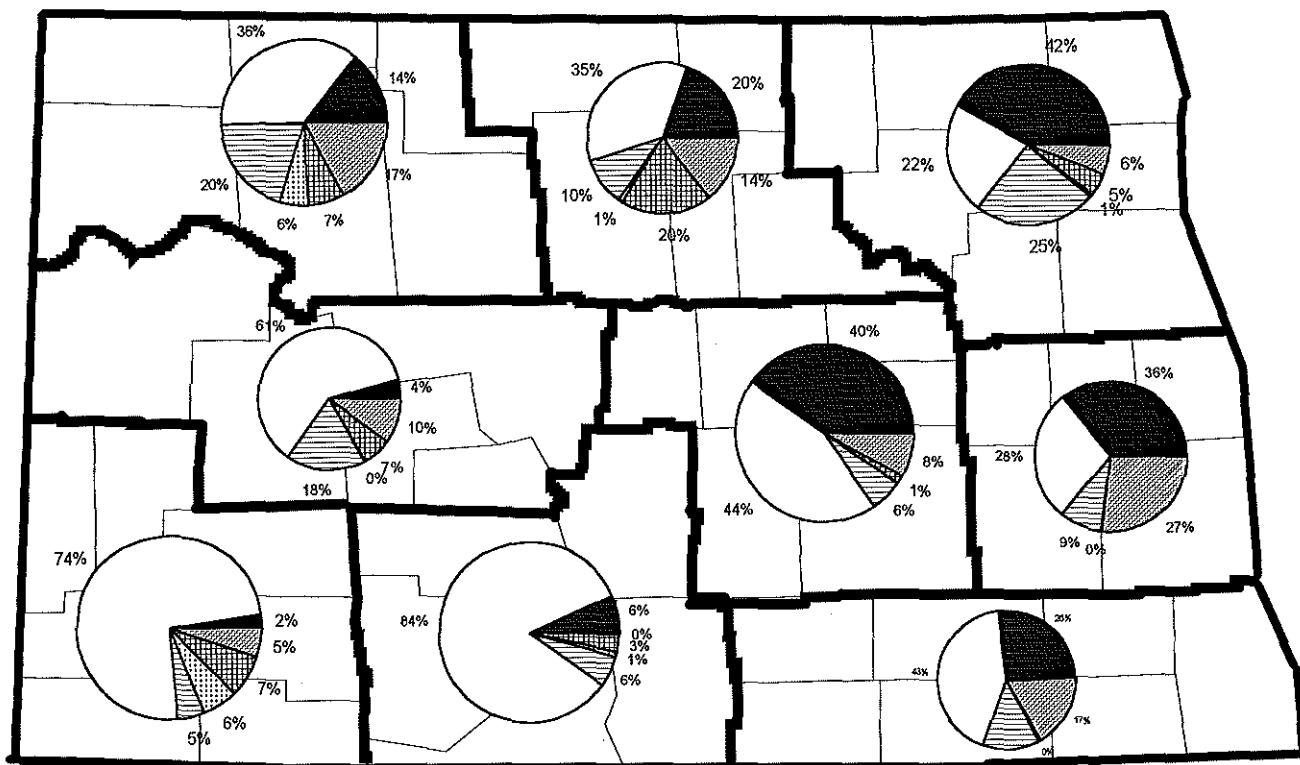


Durum

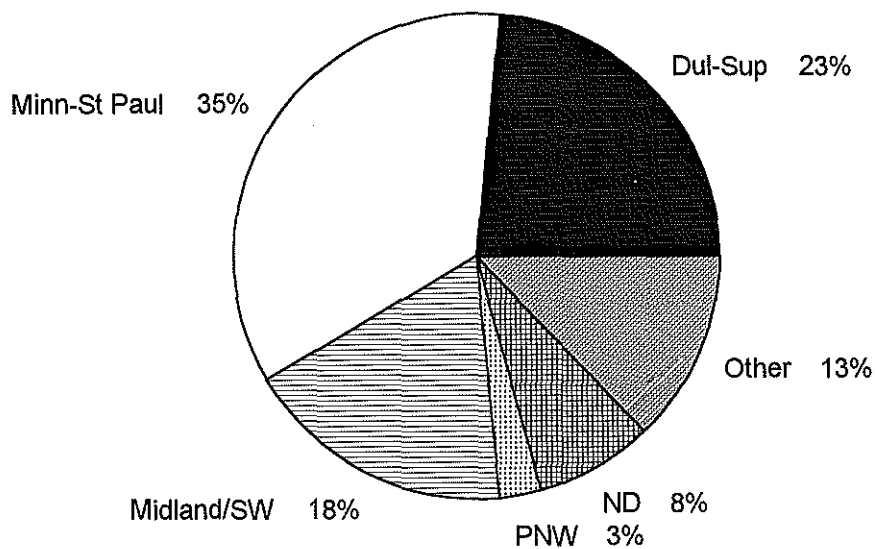
NORTH DAKOTA CROP REPORTING DISTRICTS



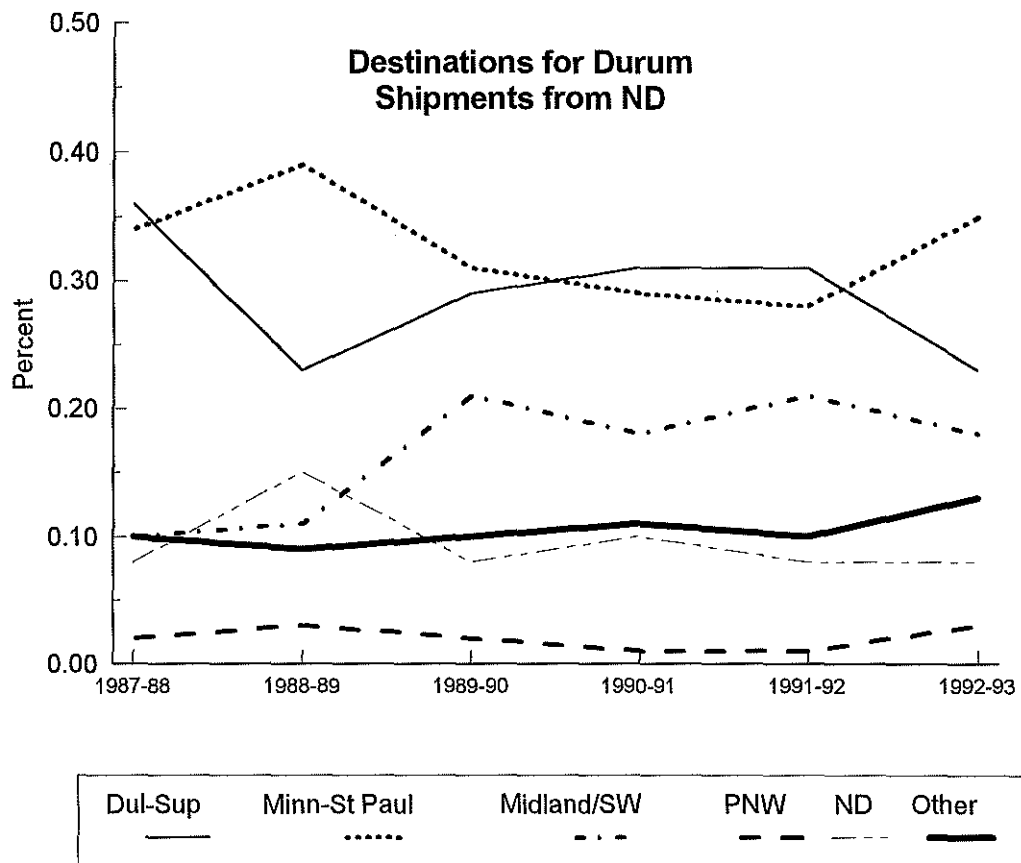
Destinations for Durum Shipments from Each CRD, 1992-93



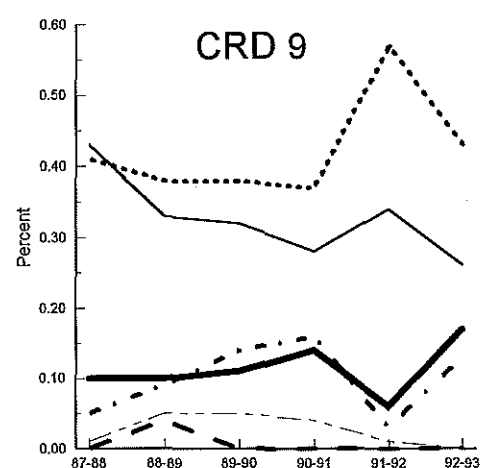
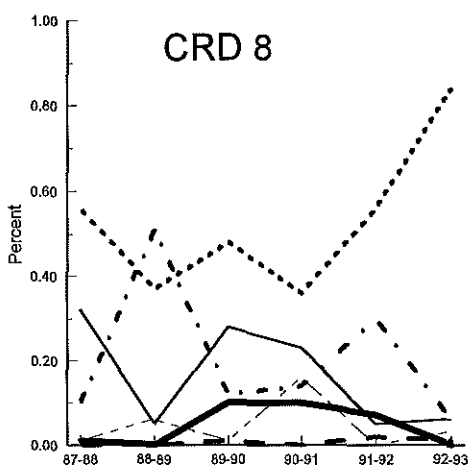
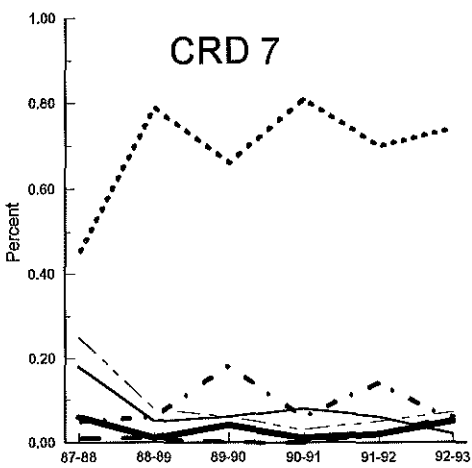
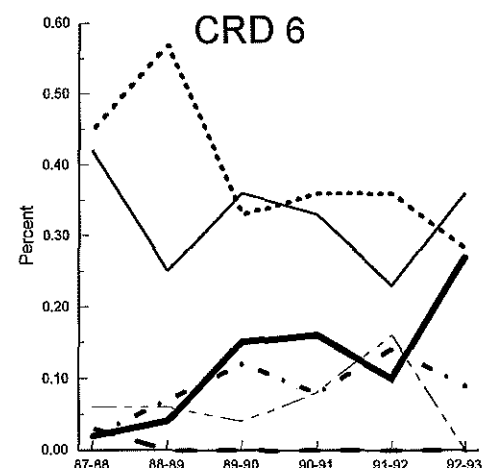
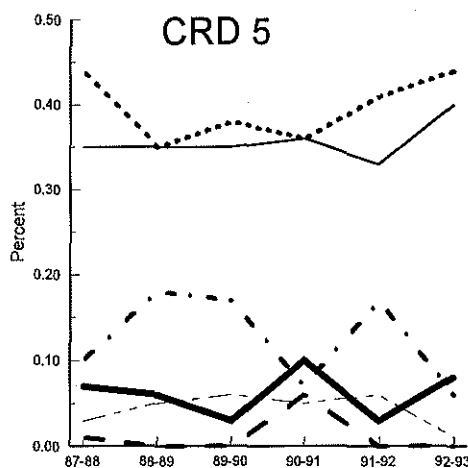
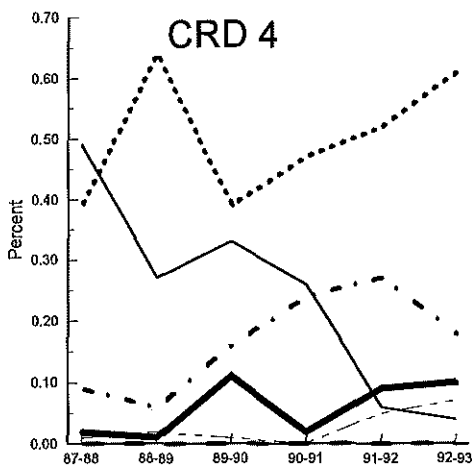
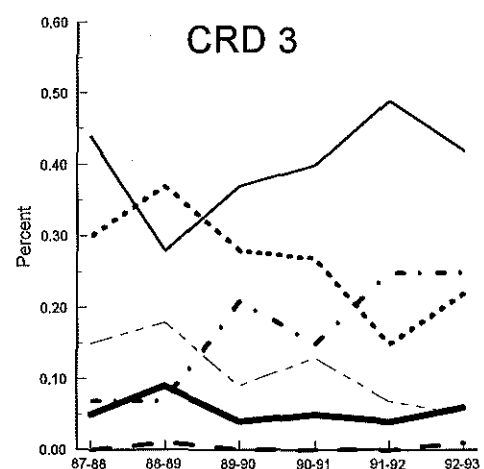
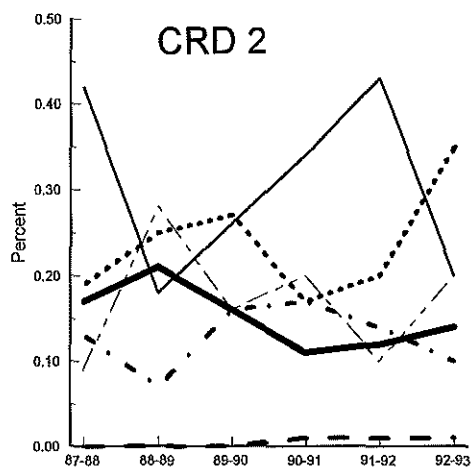
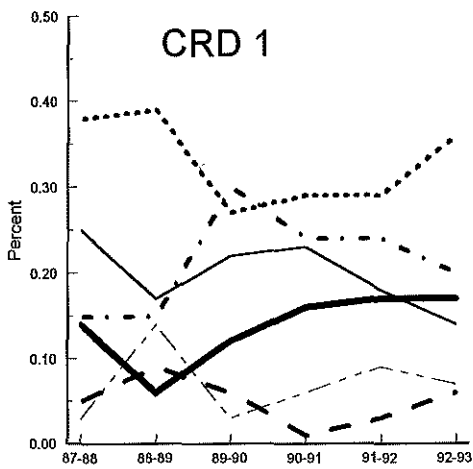
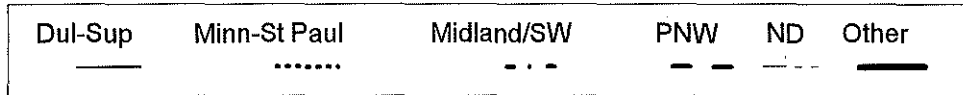
Destinations for Durum Shipments from ND Elevators, 1992-93

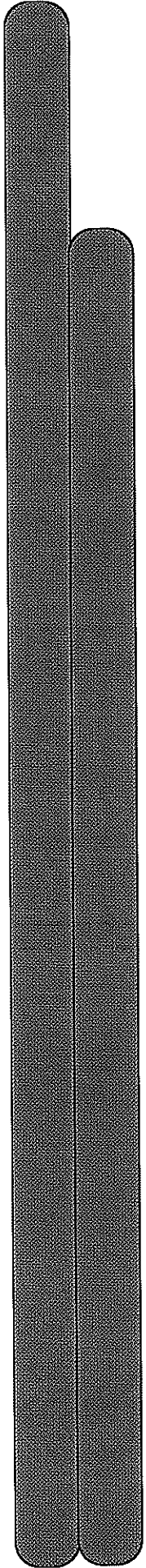


Destinations for Durum Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1987-88	28,214 0.36	26,527 0.34	7,793 0.10	1,184 0.02	6,318 0.08	7,358 0.10	77,394
1988-89	10,033 0.23	17,223 0.39	4,638 0.11	1,438 0.03	6,565 0.15	4,010 0.09	43,907
1989-90	21,103 0.29	21,985 0.31	15,276 0.21	1,127 0.02	5,580 0.08	6,932 0.10	72,003
1990-91	24,167 0.31	23,024 0.29	13,912 0.18	929 0.01	8,049 0.10	8,227 0.11	78,308
1991-92	26,063 0.31	23,524 0.28	17,740 0.21	1,192 0.01	6,738 0.08	8,636 0.10	83,893
1992-93	20,627 0.23	30,825 0.35	15,986 0.18	2,424 0.03	6,914 0.08	11,305 0.13	88,081



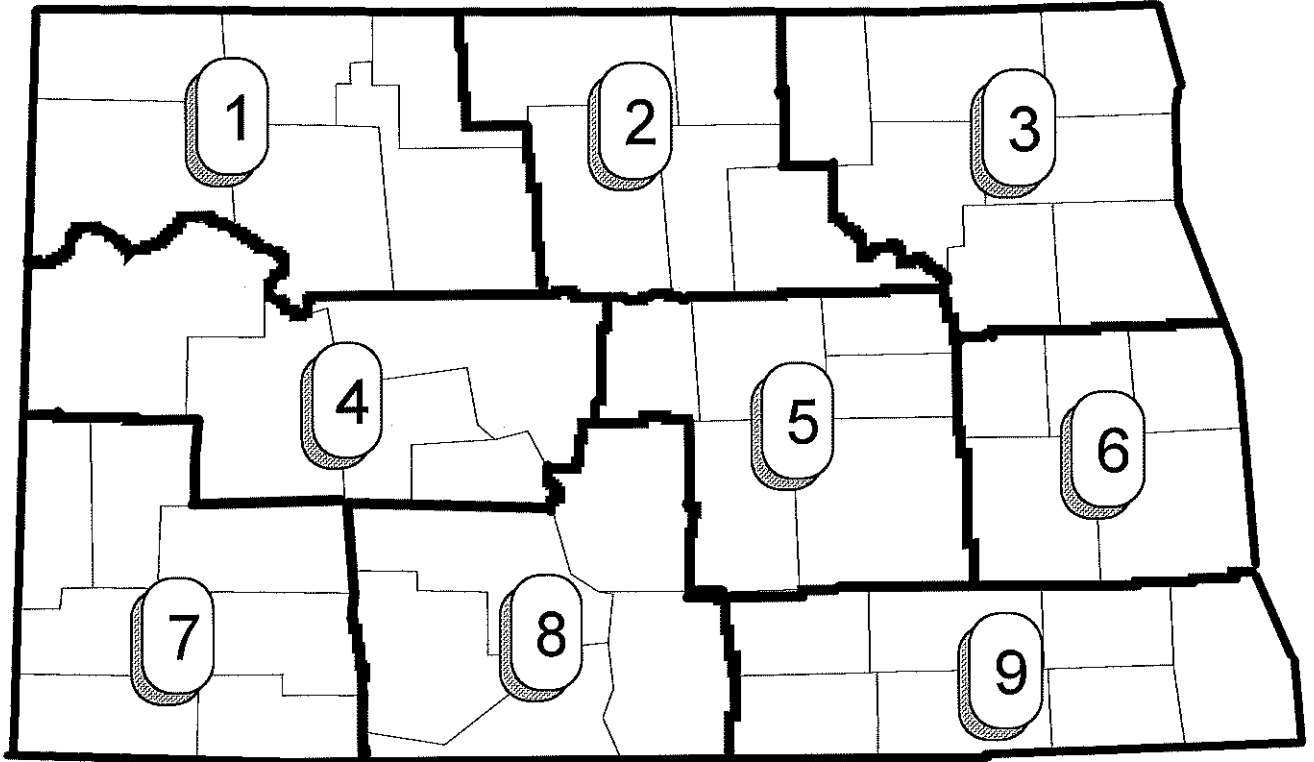
Destinations for Durum Shipments from ND CRDs





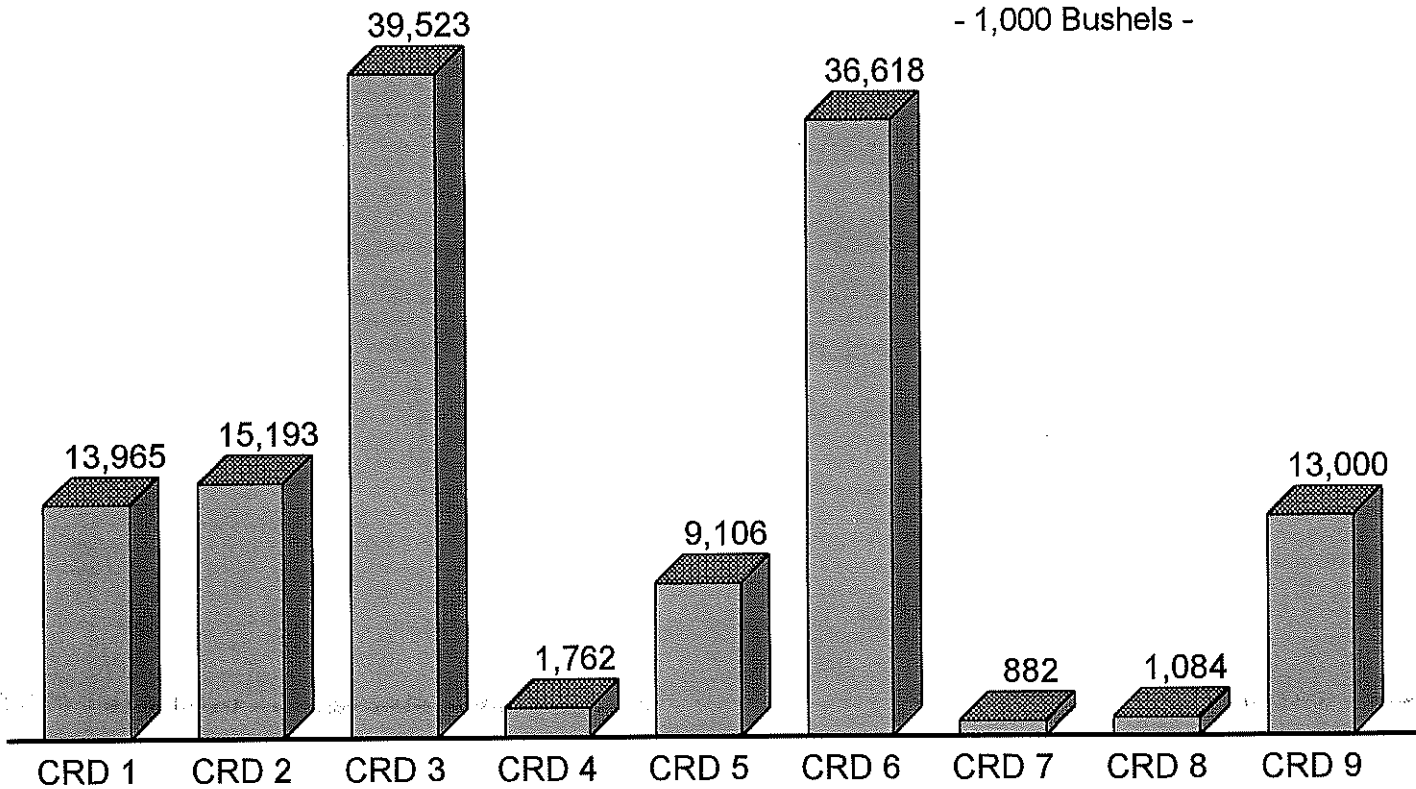
Barley

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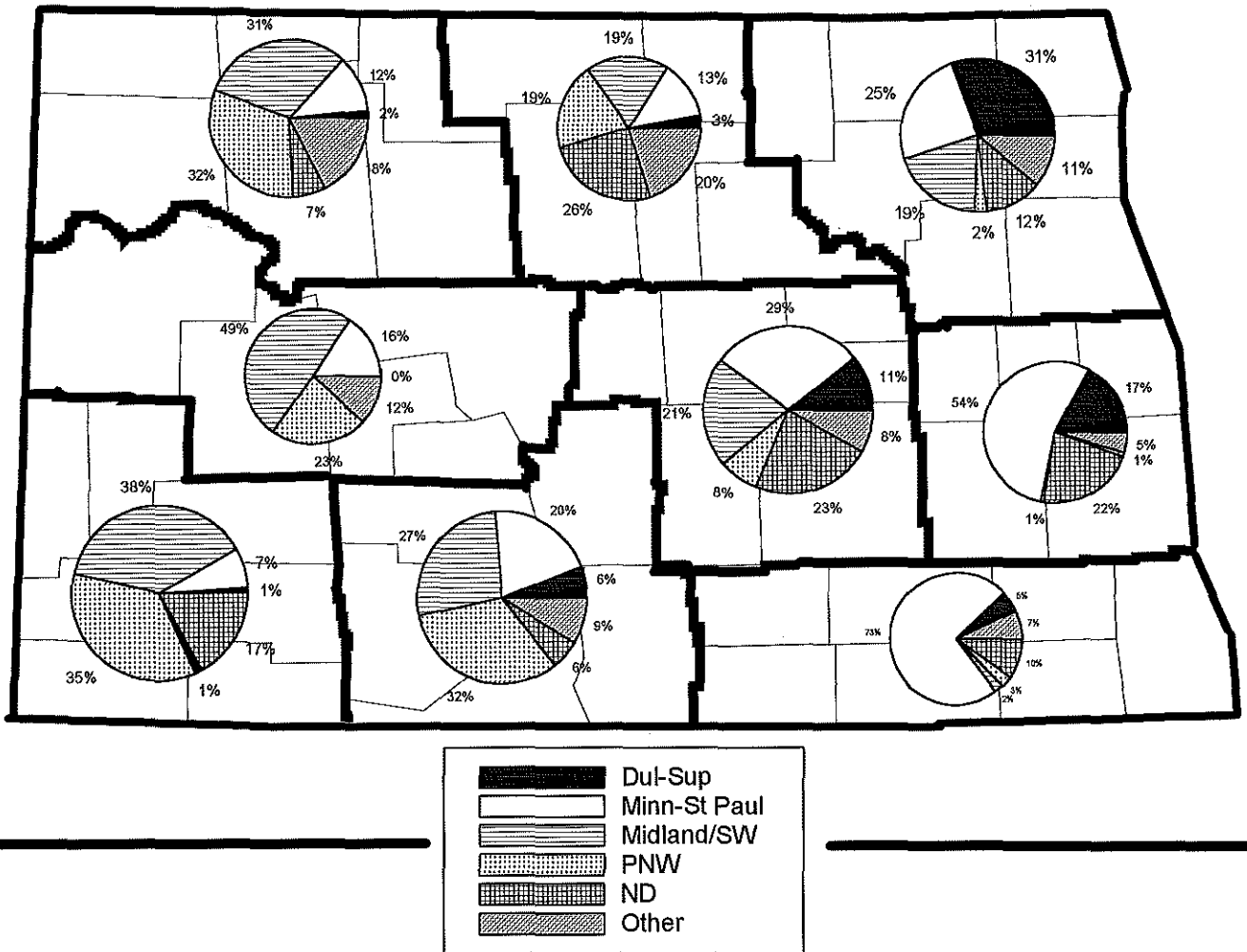


Barley Shipments Originating from Each CRD, 1992-93

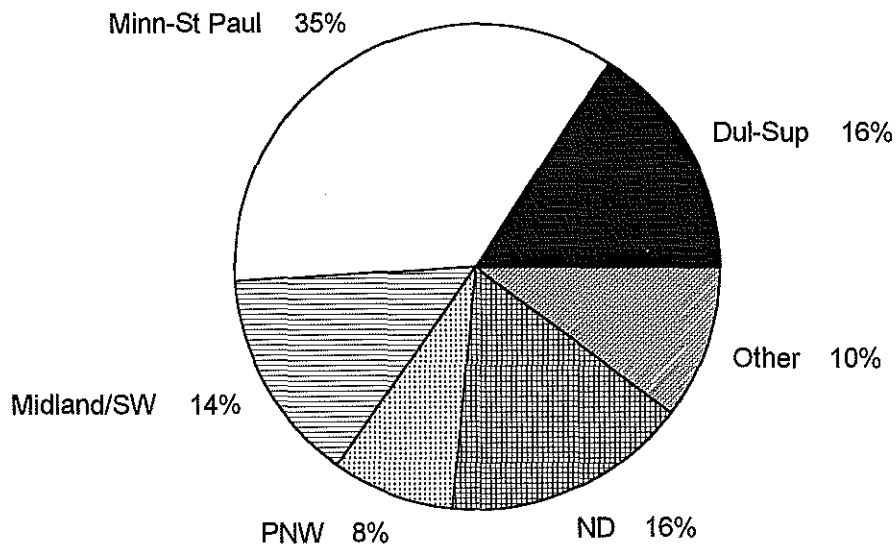
- 1,000 Bushels -



Destinations for Barley Shipments from Each CRD, 1992-93

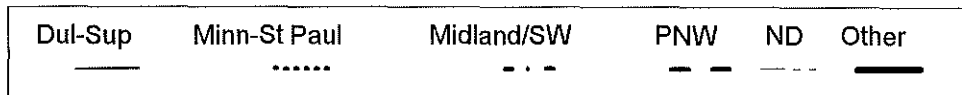
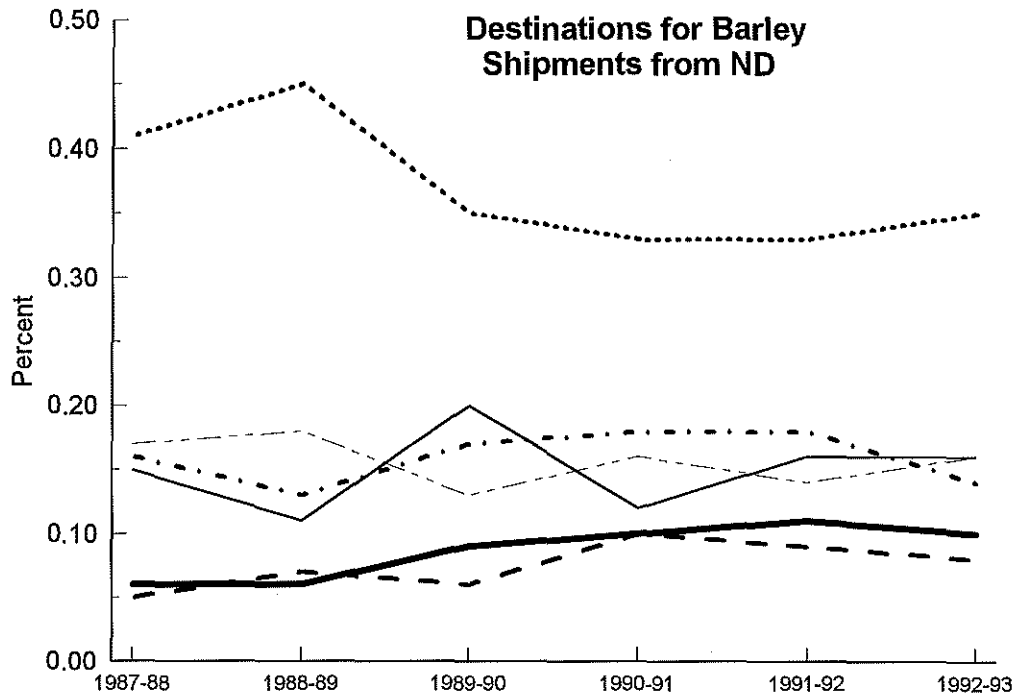


Destinations for Barley Shipments from ND Elevators, 1992-93

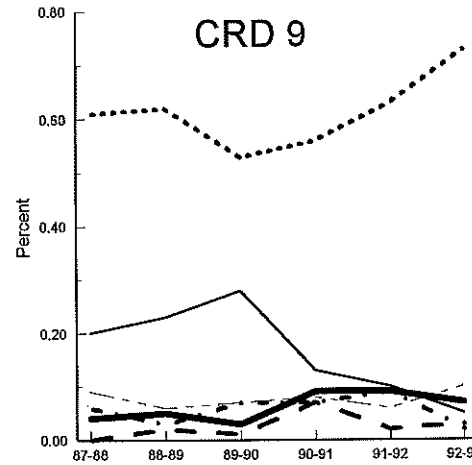
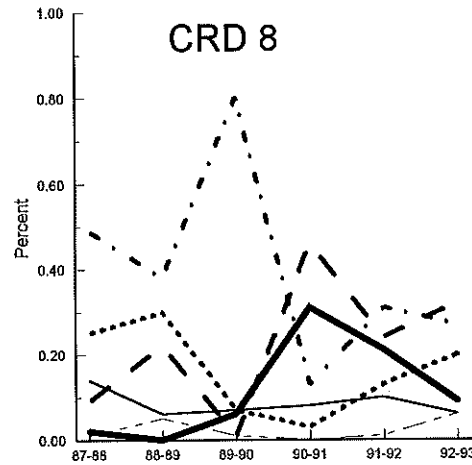
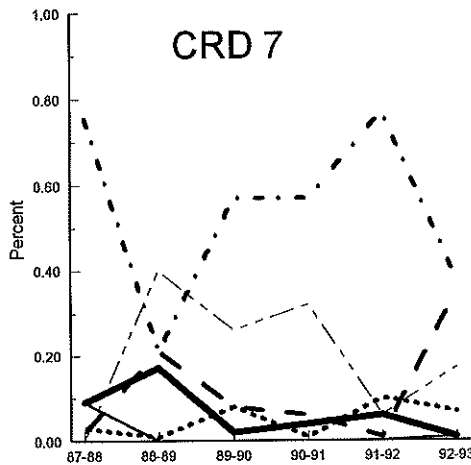
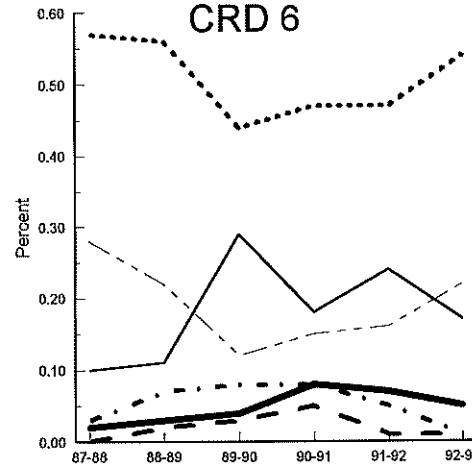
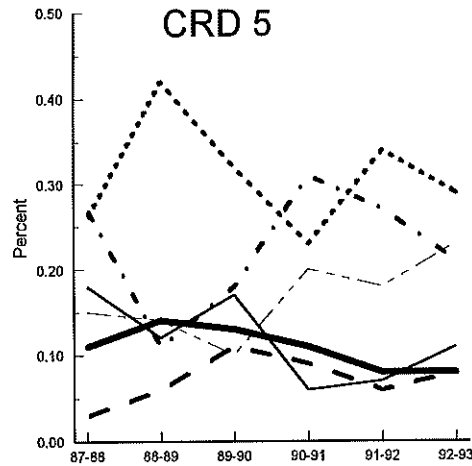
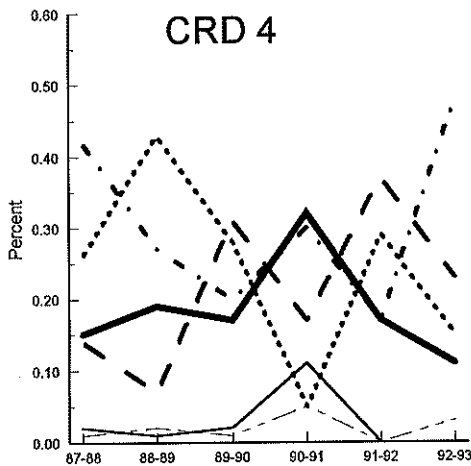
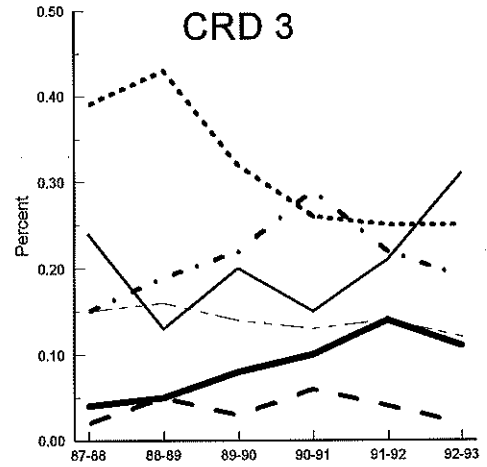
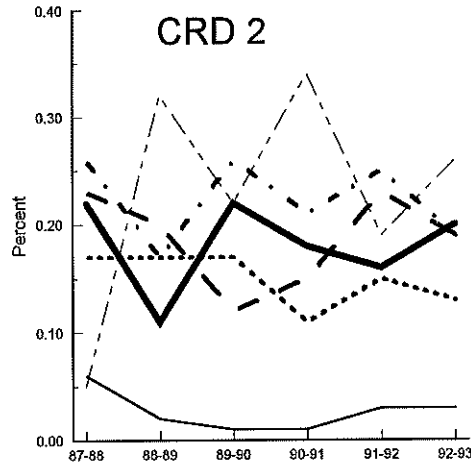
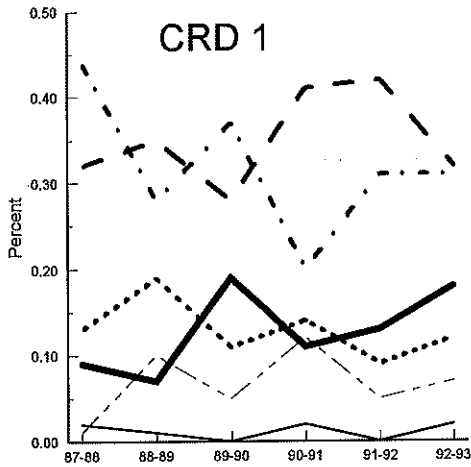


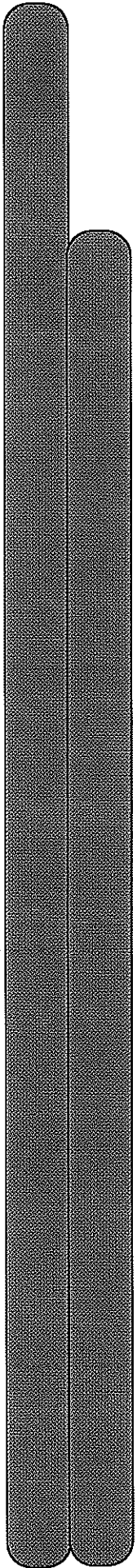
Destinations for Barley Shipments from ND
(1,000 Bushels)

	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1987-88	16,112 0.15	42,862 0.41	16,203 0.16	5,625 0.05	17,298 0.17	6,299 0.06	104,399
1988-89	9,736 0.11	41,417 0.45	12,486 0.13	6,850 0.07	16,715 0.18	5,512 0.06	92,716
1989-90	22,893 0.20	39,410 0.35	19,061 0.17	6,858 0.06	14,131 0.13	9,904 0.09	112,257
1990-91	14,200 0.12	38,032 0.33	20,482 0.18	11,695 0.10	17,776 0.16	11,861 0.10	114,046
1991-92	19,398 0.16	40,691 0.33	22,431 0.18	11,197 0.09	17,219 0.14	13,848 0.11	124,784
1992-93	20,799 0.16	45,943 0.35	18,725 0.14	10,799 0.08	21,407 0.16	13,466 0.10	131,139



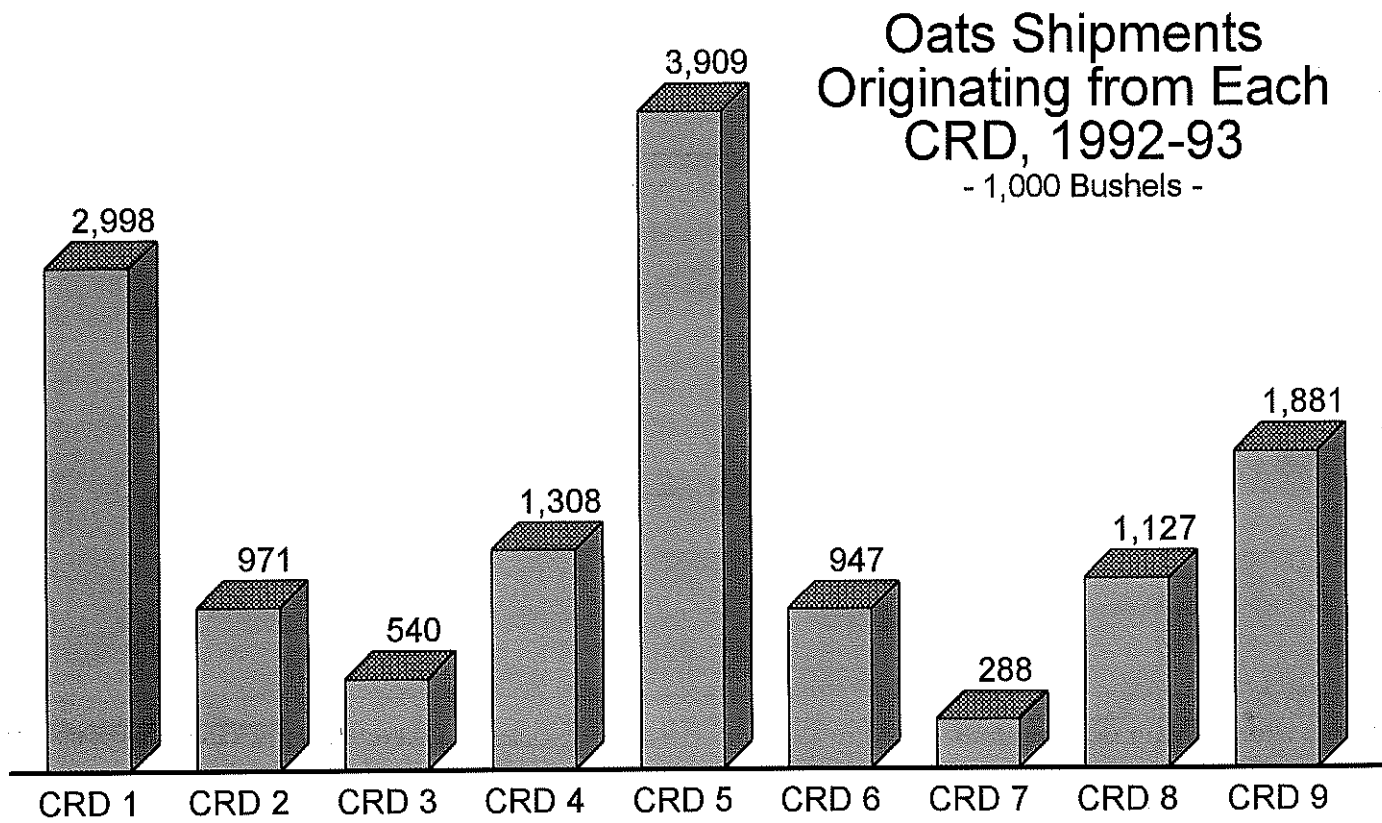
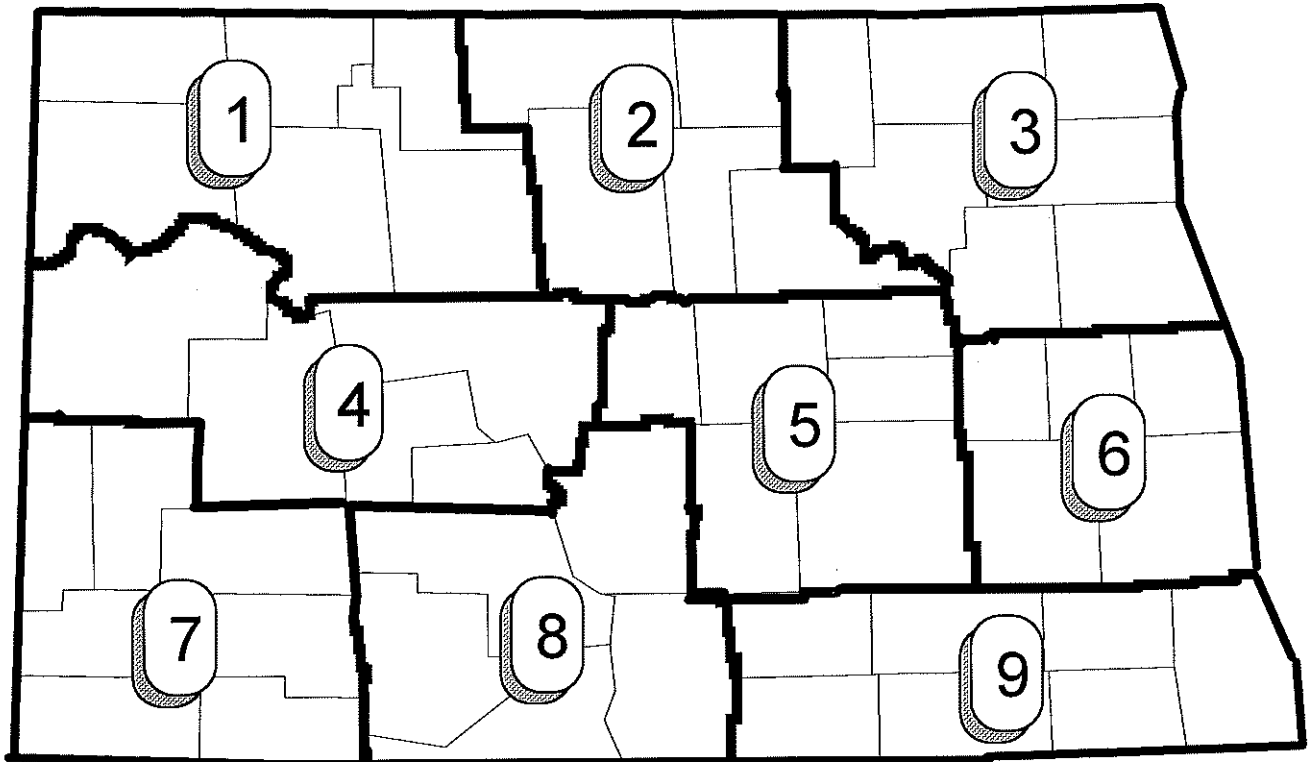
Destinations for Barley Shipments from ND CRDs



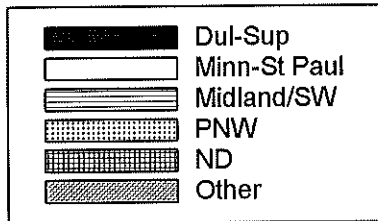
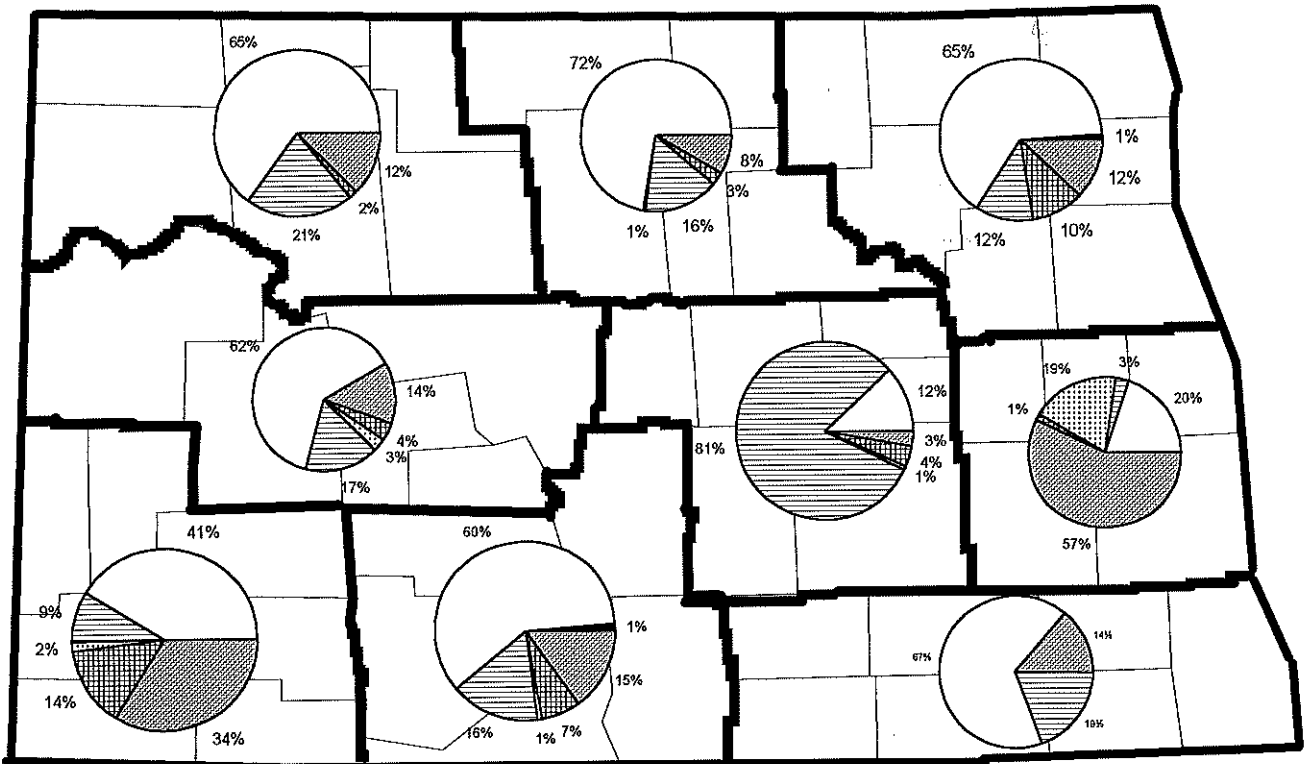


Oats

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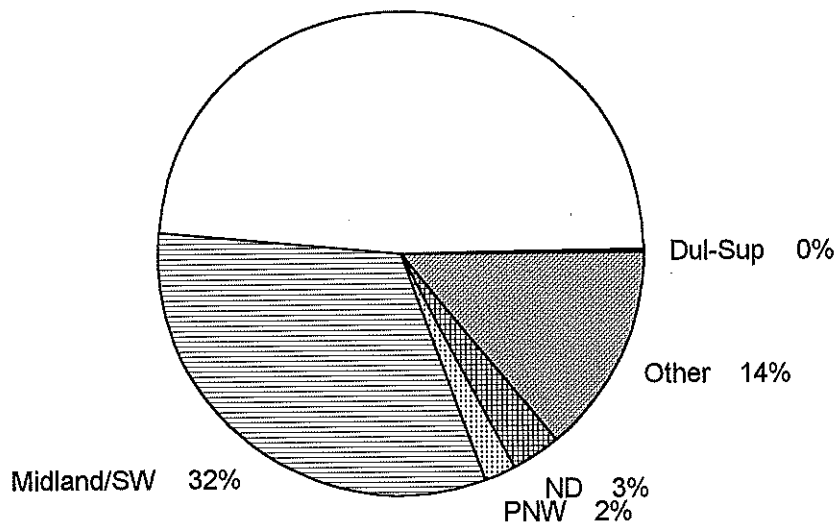


Destinations for Oats Shipments from Each CRD, 1992-93



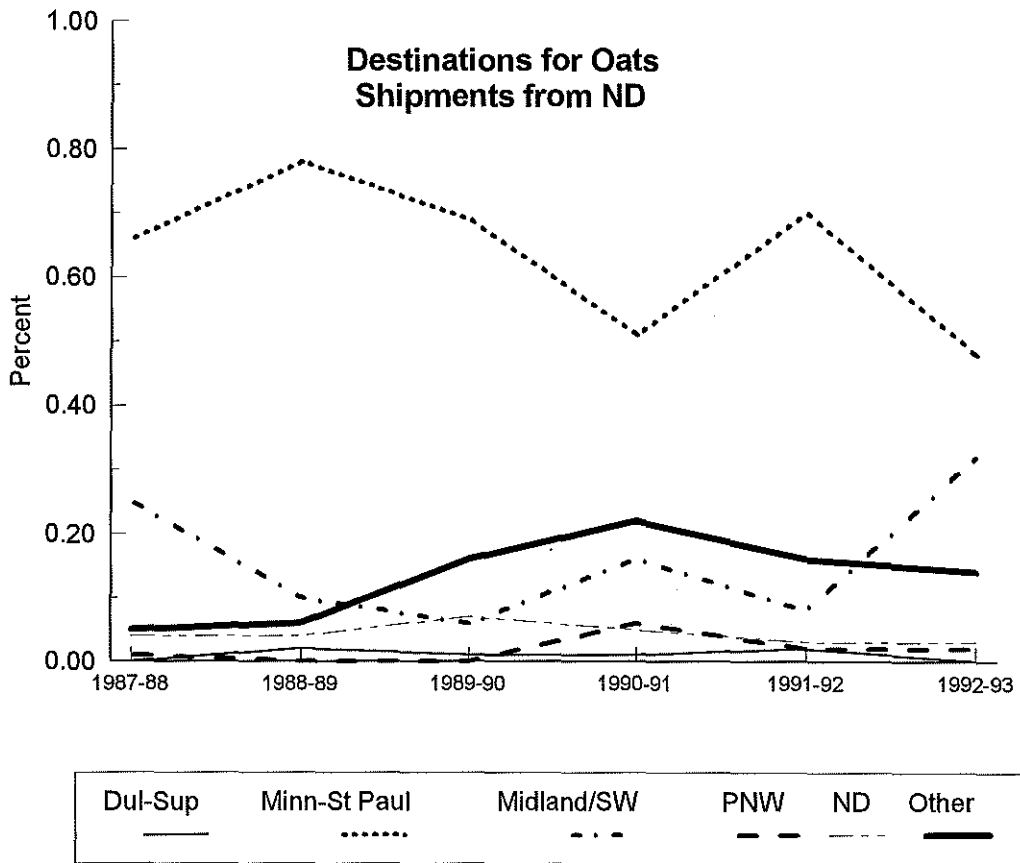
Destinations for Oats Shipments from ND Elevators, 1992-93

Minn-St Paul 48%

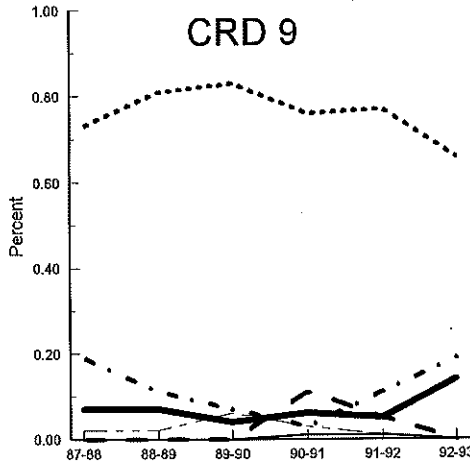
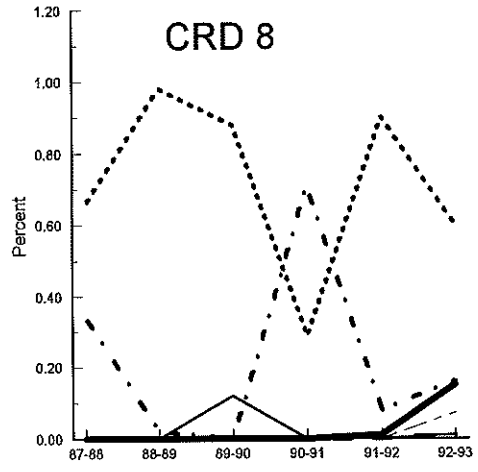
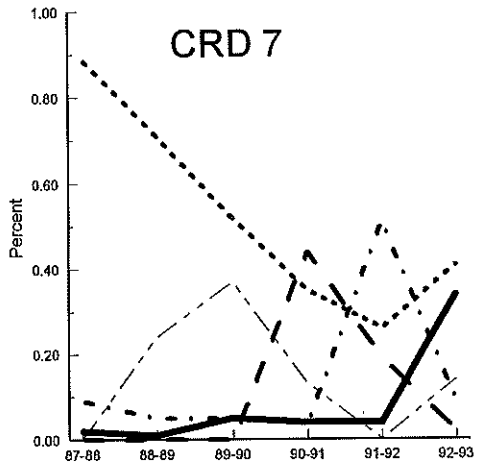
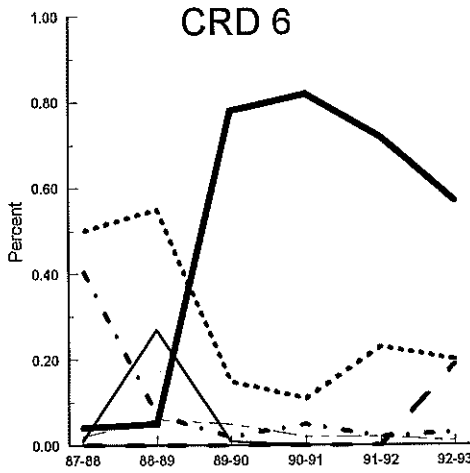
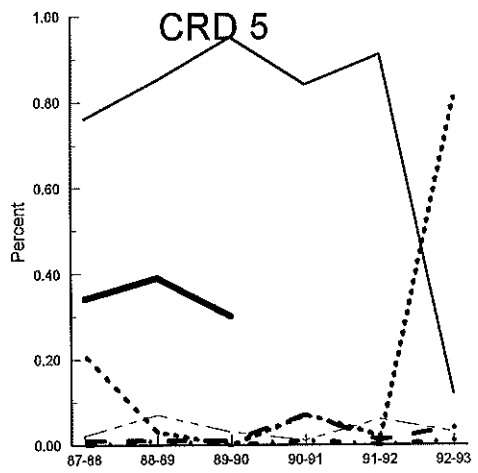
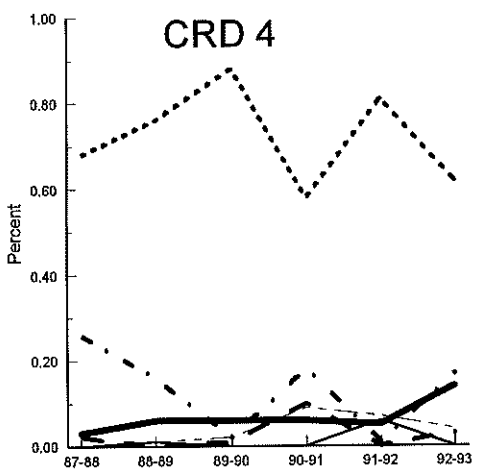
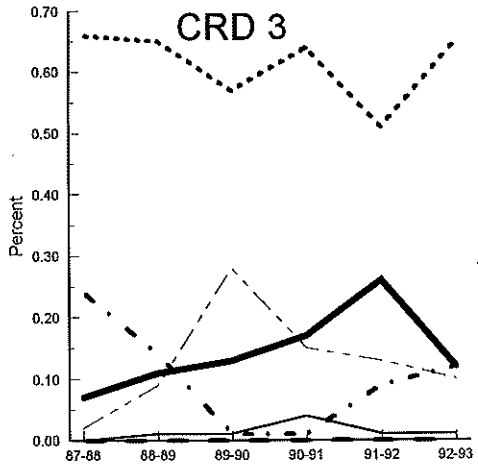
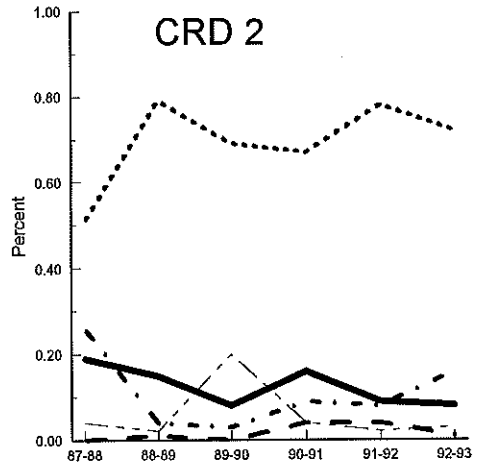
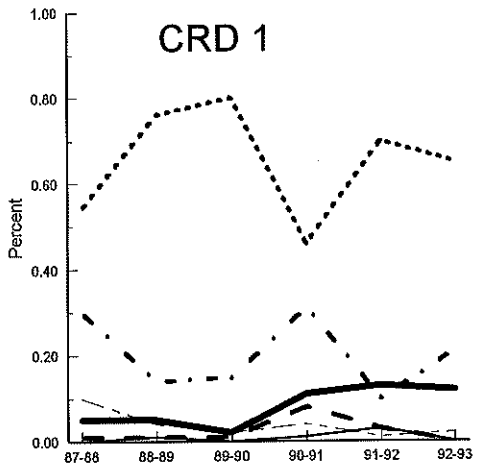
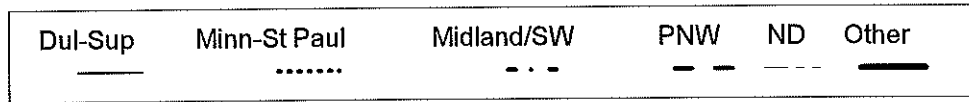


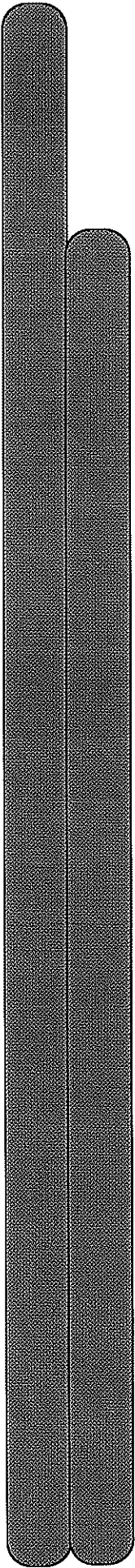
Destinations for Oats Shipments from ND
(1,000 Bushels)

	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1987-88	25	10,271	3,902	96	552	730	15,576
	0.00	0.66	0.25	0.01	0.04	0.05	
1988-89	84	3,354	422	17	159	262	4,298
	0.02	0.78	0.10	0.00	0.04	0.06	
1989-90	36	3,466	325	12	362	814	5,015
	0.01	0.69	0.06	0.00	0.07	0.16	
1990-91	45	2,858	871	316	295	1,216	5,601
	0.01	0.51	0.16	0.06	0.05	0.22	
1991-92	146	5,291	603	181	197	1,192	7,610
	0.02	0.70	0.08	0.02	0.03	0.16	
1992-93	28	6,411	4,259	270	441	1,863	13,272
	0.00	0.48	0.32	0.02	0.03	0.14	



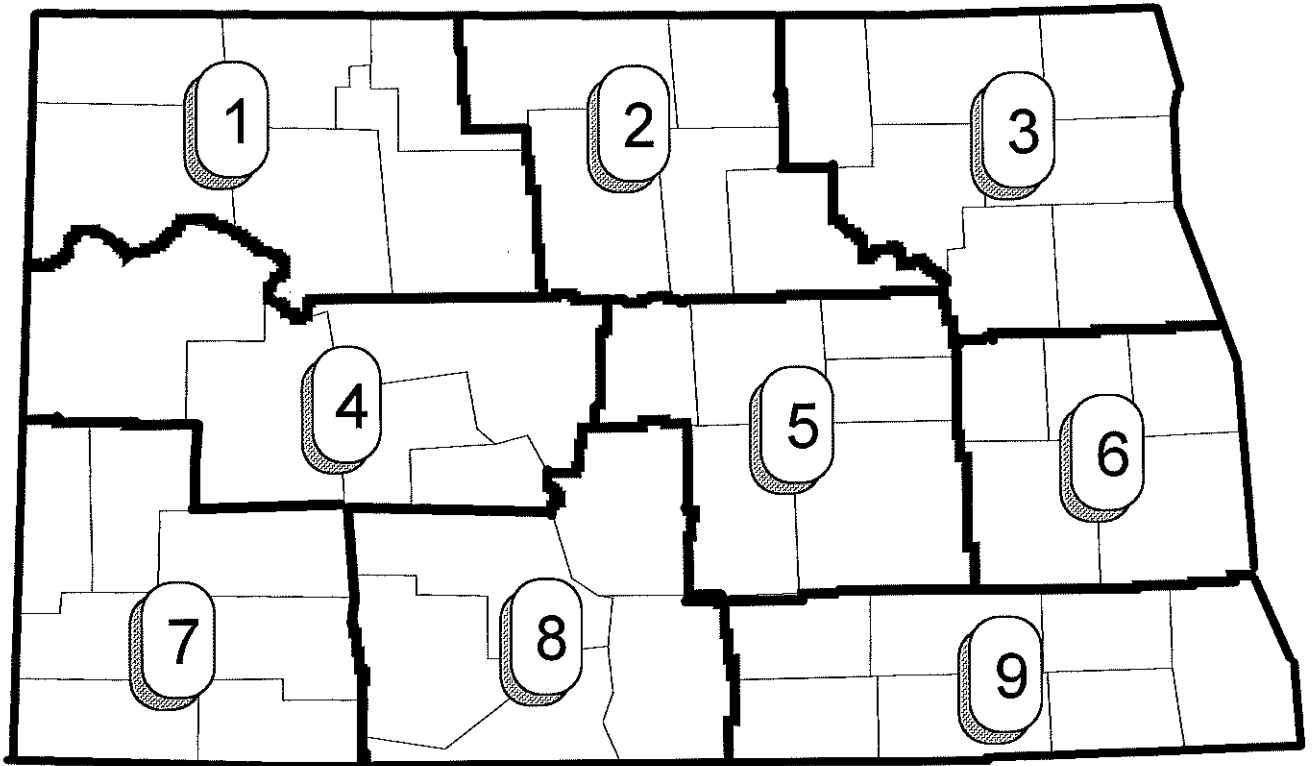
Destinations for Oats Shipments from ND CRDs



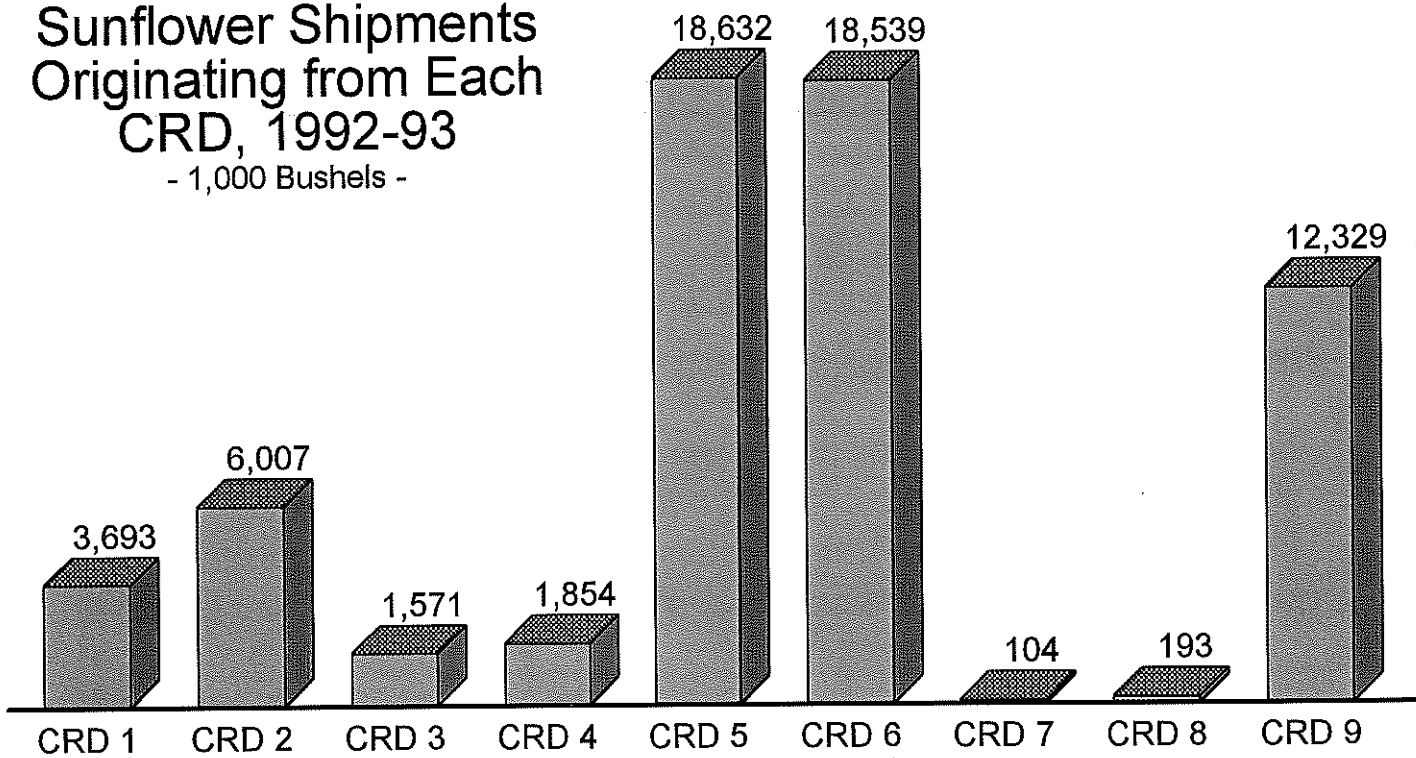


Sunflowers

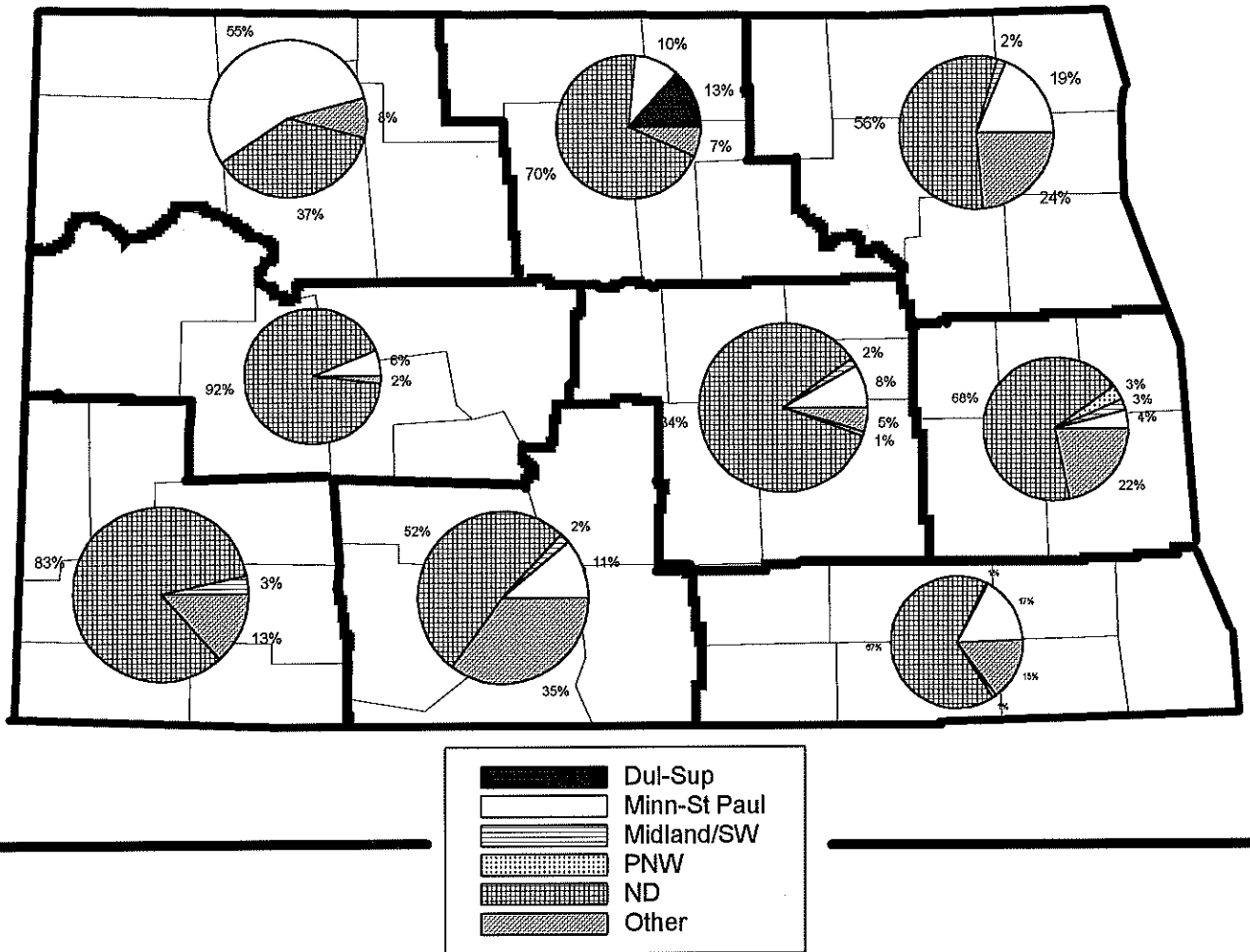
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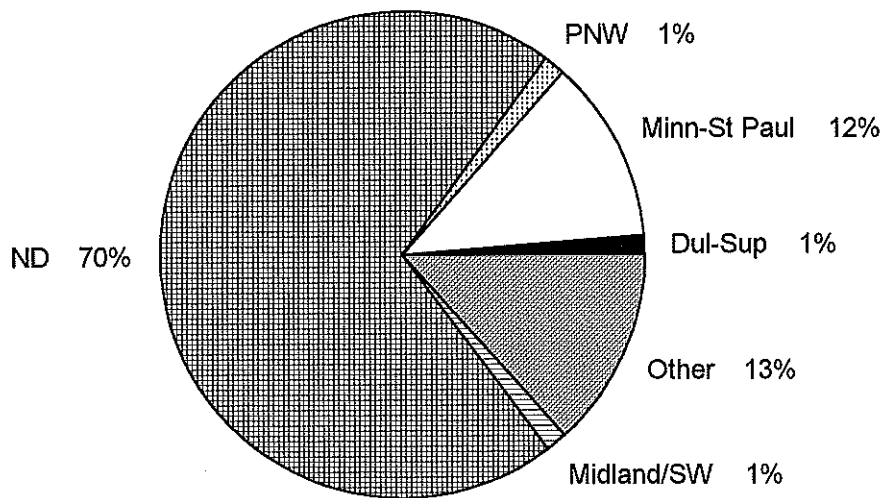
Sunflower Shipments
Originating from Each
CRD, 1992-93
- 1,000 Bushels -



Destinations for Sunflower Shipments from Each CRD, 1992-93

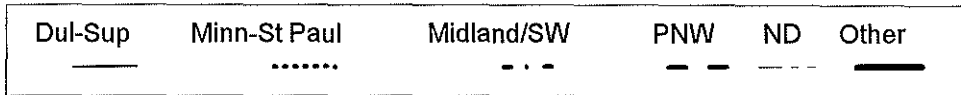
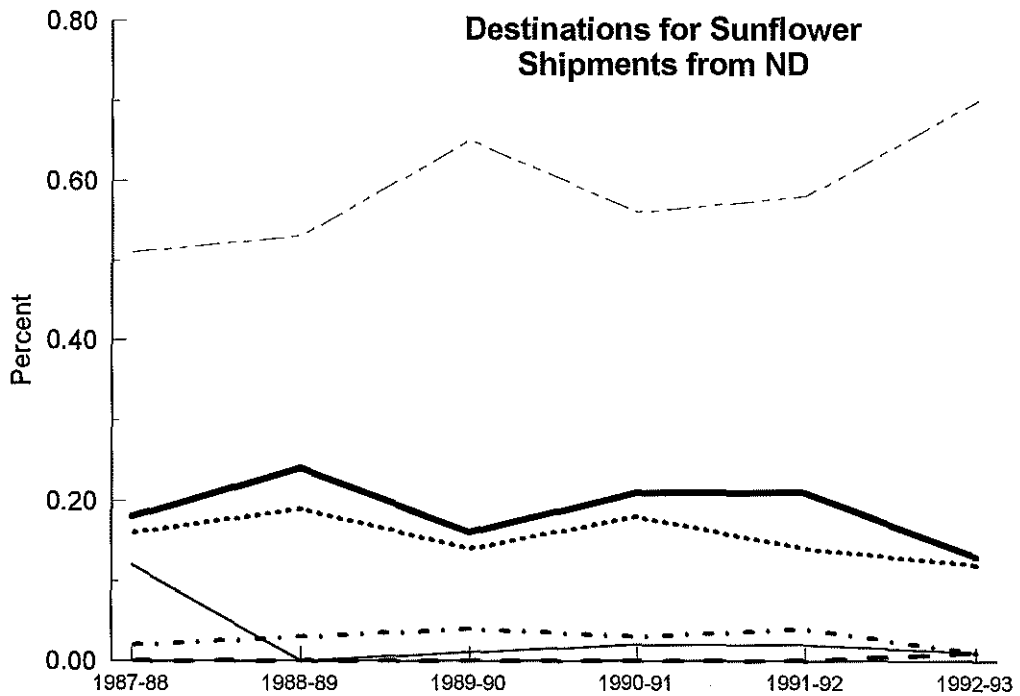


Destinations for Sunflower Shipments from Elevators, 1992-93

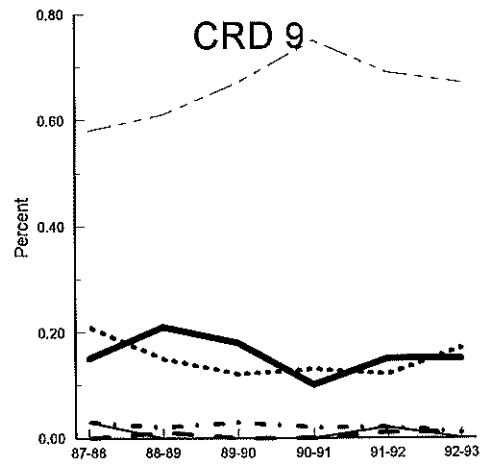
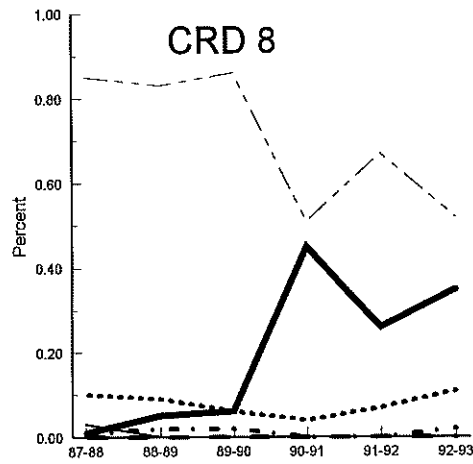
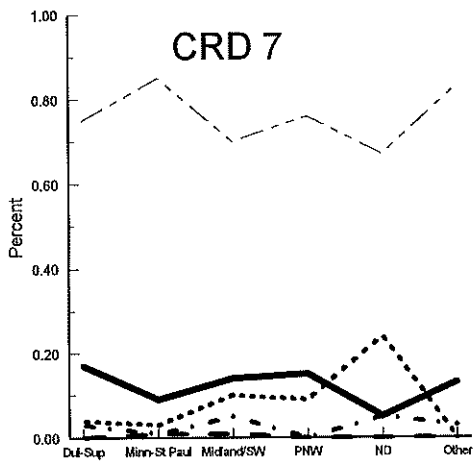
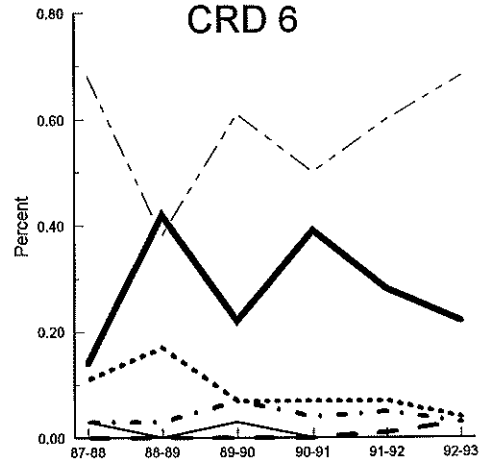
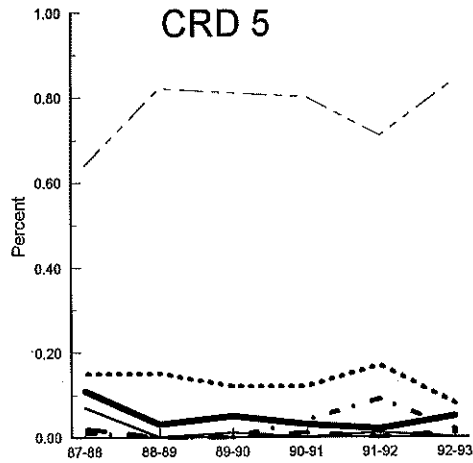
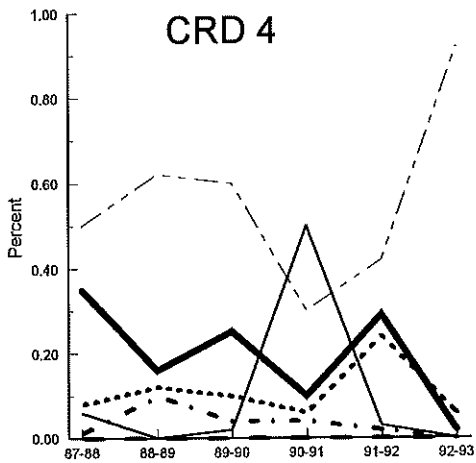
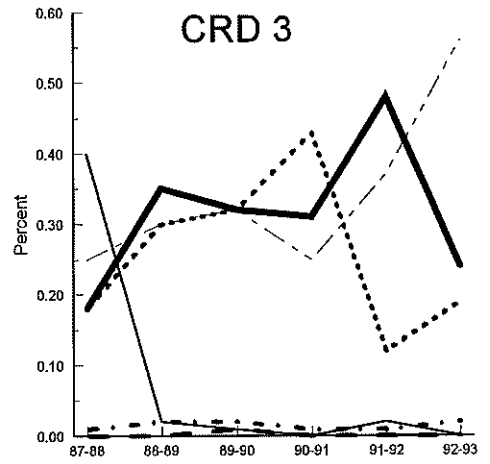
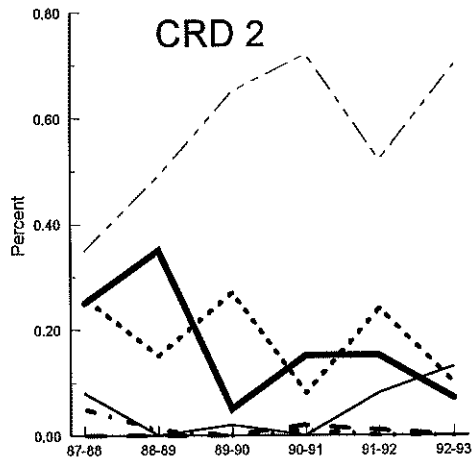
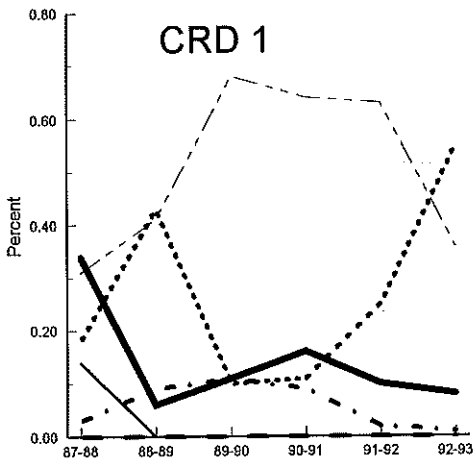
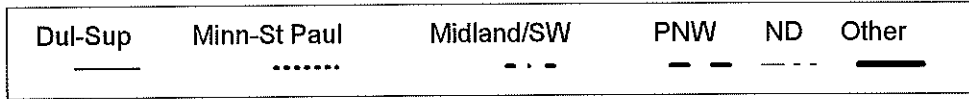


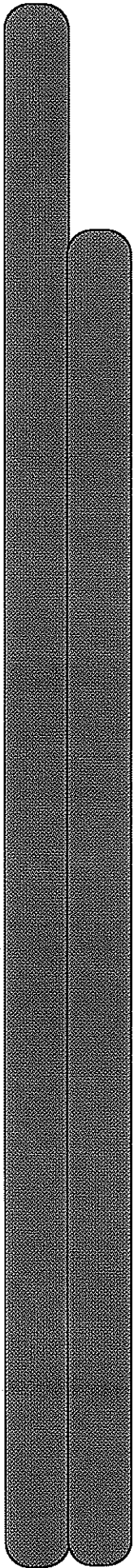
Destinations for Sunflower Shipments from ND
(1,000 Bushels)

	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1987-88	2,136 0.12	2,893 0.16	423 0.02	73 0.00	9,003 0.51	3,229 0.18	17,757
1988-89	29 0.00	2,081 0.19	317 0.03	29 0.00	5,834 0.53	2,646 0.24	10,936
1989-90	121 0.01	1,258 0.14	334 0.04	21 0.00	5,870 0.65	1,404 0.16	9,008
1990-91	201 0.02	1,828 0.18	301 0.03	41 0.00	5,843 0.56	2,171 0.21	10,385
1991-92	325 0.02	2,285 0.14	596 0.04	64 0.00	9,364 0.58	3,432 0.21	16,066
1992-93	237 0.01	2,288 0.12	274 0.01	270 0.01	13,176 0.70	2,505 0.13	18,750



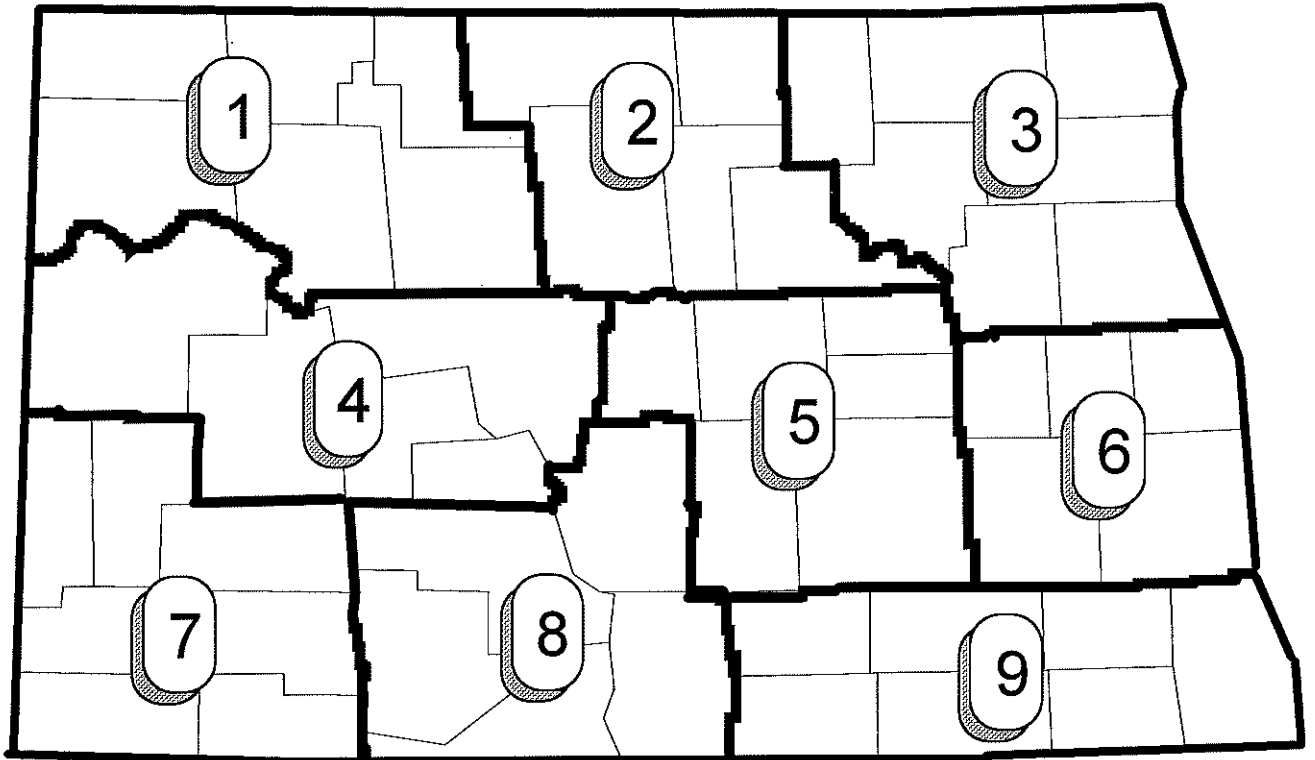
Destinations for Sunflower Shipments from ND CRDs





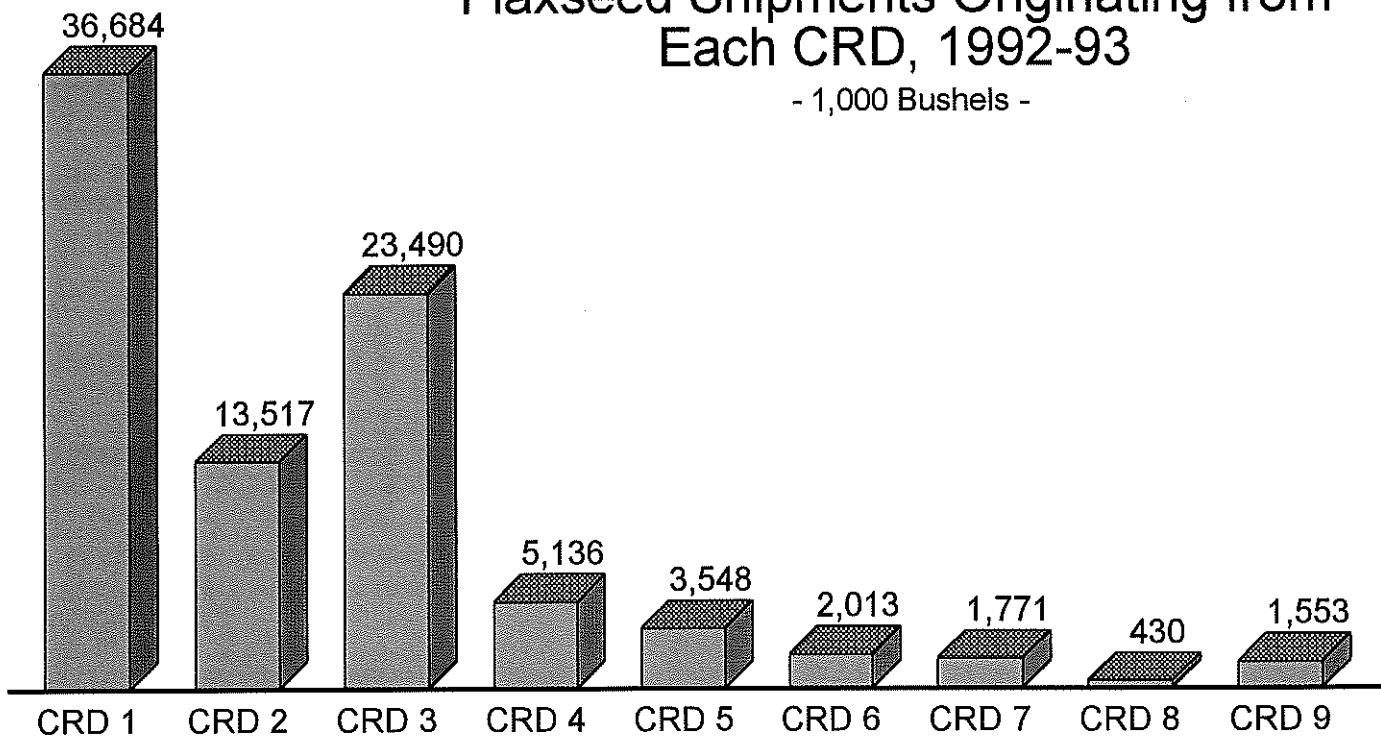
Flaxseed

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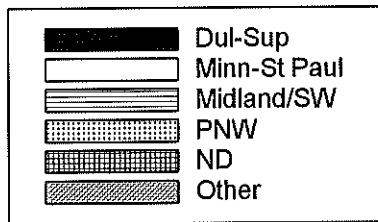
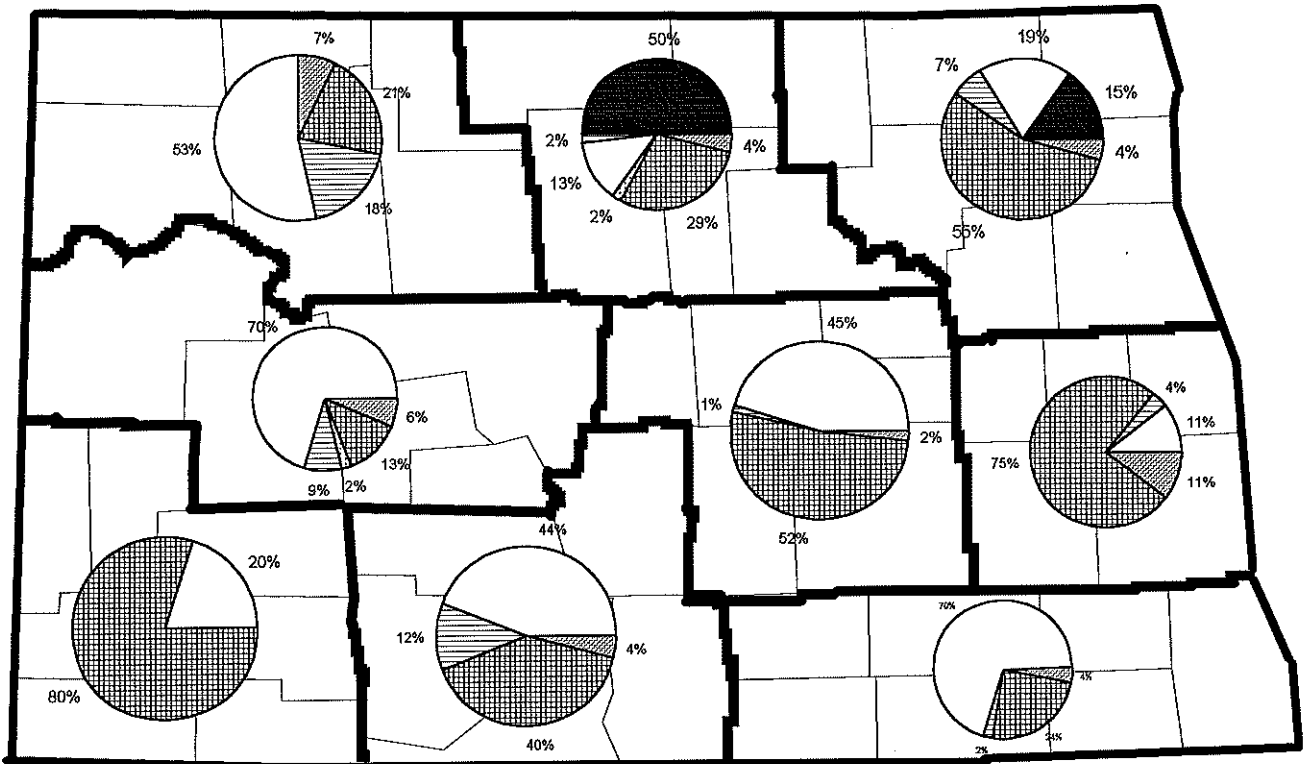


Flaxseed Shipments Originating from Each CRD, 1992-93

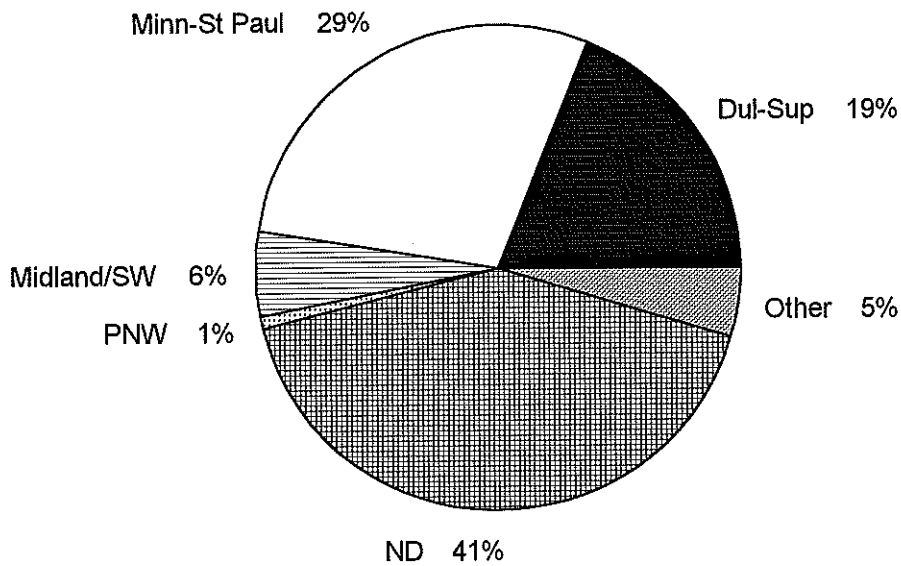
- 1,000 Bushels -



Destinations for Flaxseed Shipments from Each CRD, 1992-93

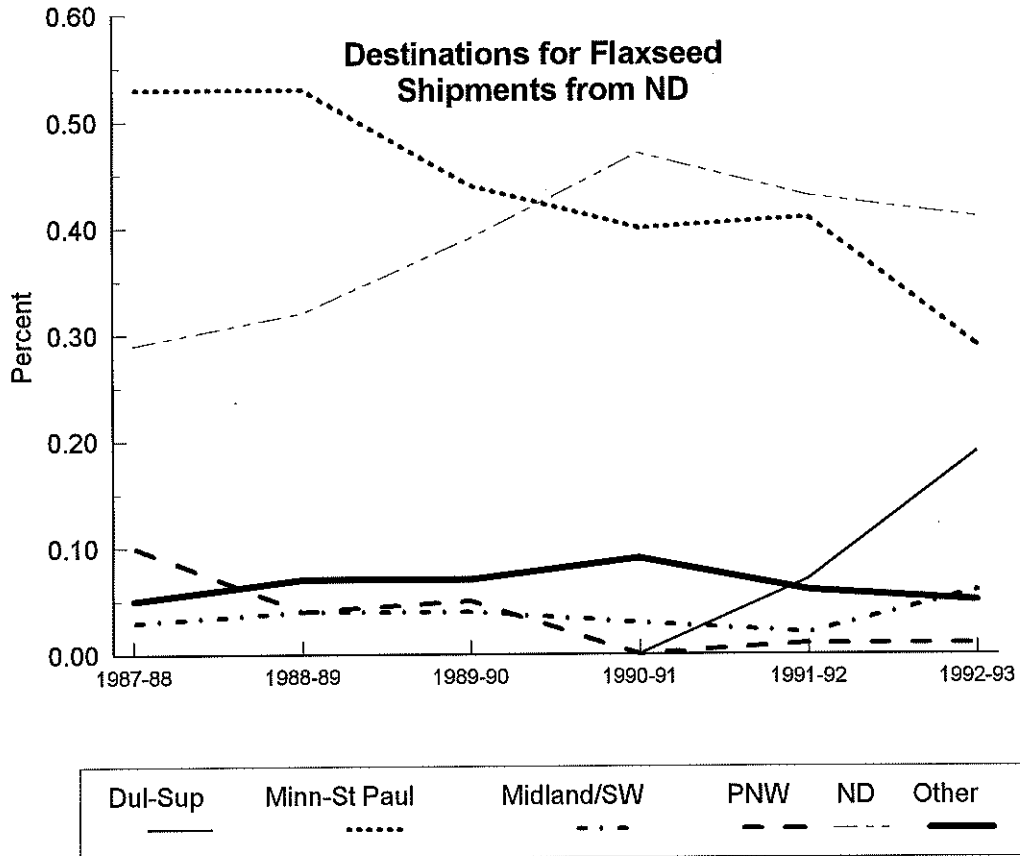


Destinations for Flaxseed Shipments from Elevators, 1992-93

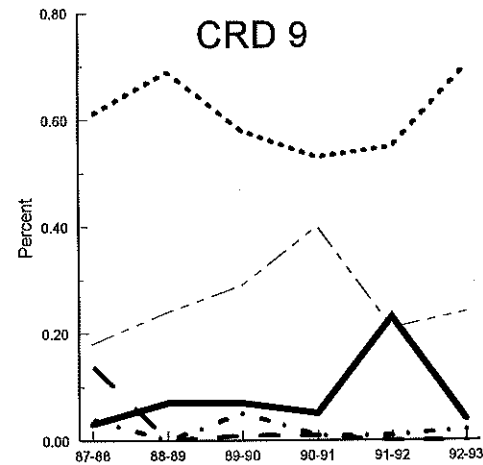
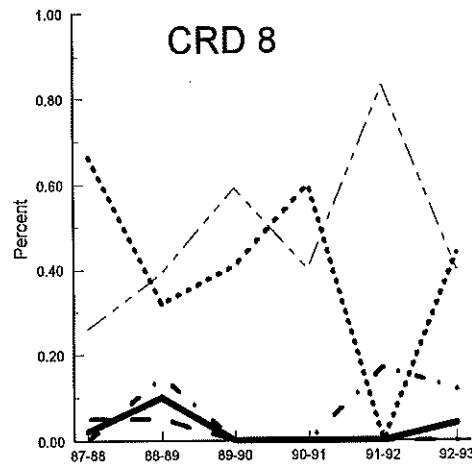
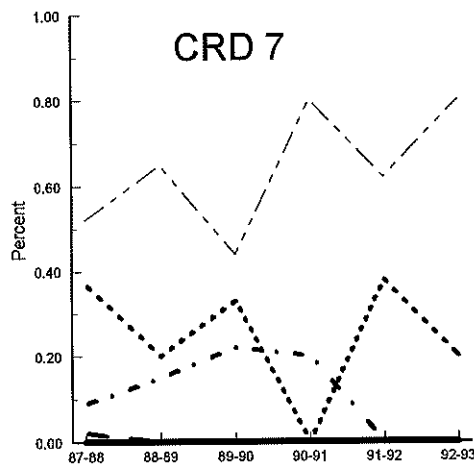
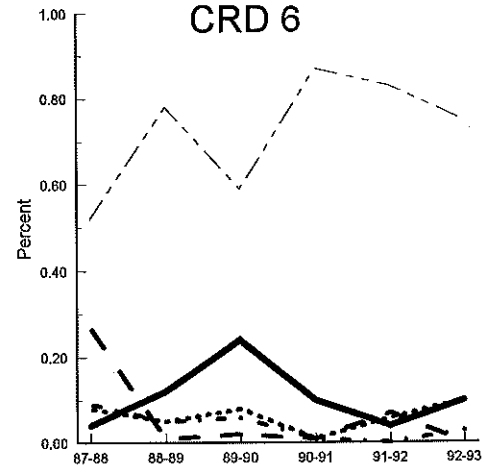
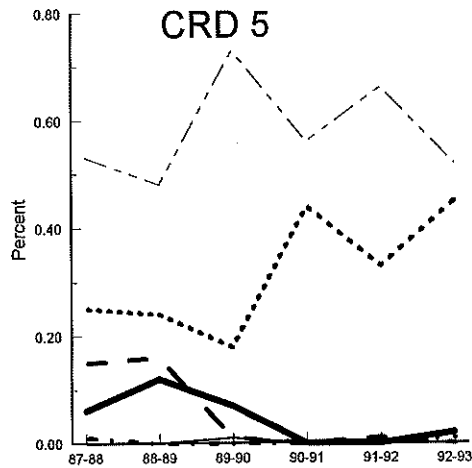
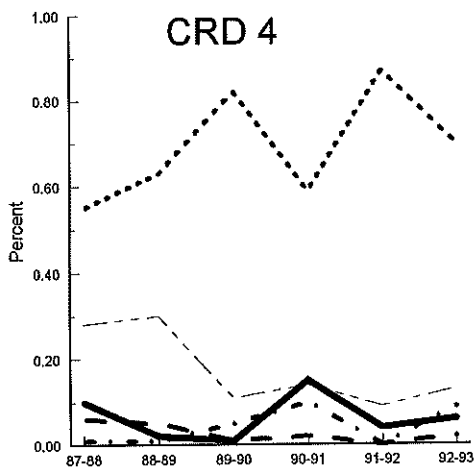
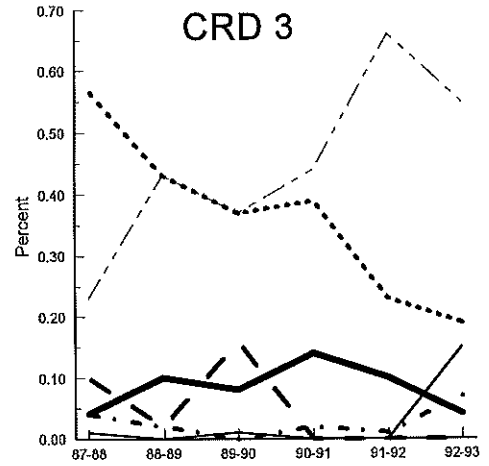
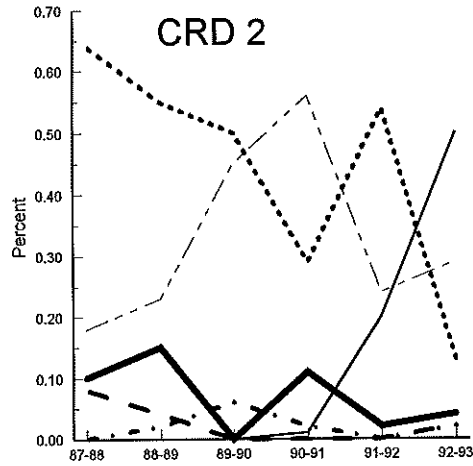
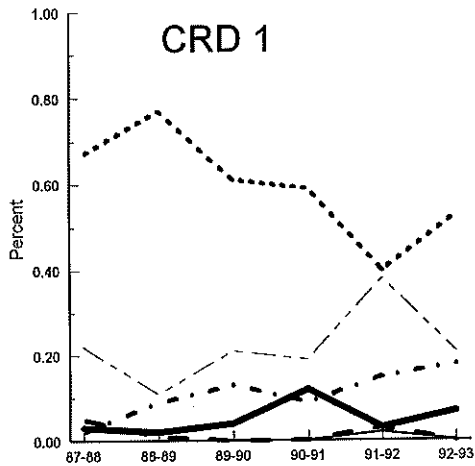
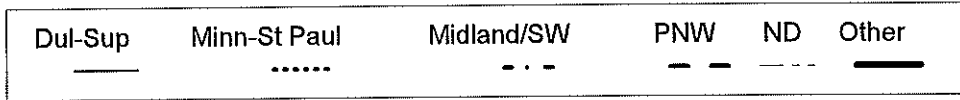


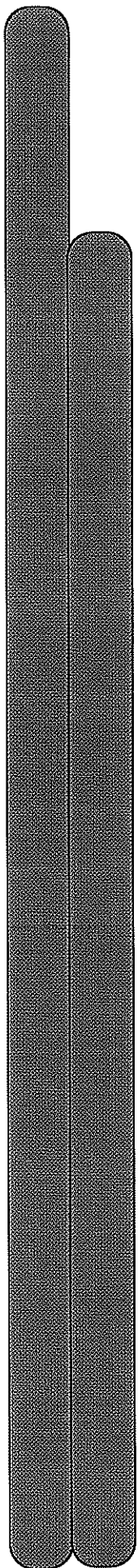
Destinations for Flaxseed Shipments from ND
(1,000 Bushels)

	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1987-88	17	3,209	163	639	1,758	324	6,110
	0.00	0.53	0.03	0.10	0.29	0.05	
1988-89	1	1,064	75	73	650	151	2,014
	0.00	0.53	0.04	0.04	0.32	0.07	
1989-90	4	478	48	51	425	71	1,077
	0.00	0.44	0.04	0.05	0.39	0.07	
1990-91	6	909	69	7	1,068	199	2,258
	0.00	0.40	0.03	0.00	0.47	0.09	
1991-92	297	1,668	81	46	1,751	238	4,081
	0.07	0.41	0.02	0.01	0.43	0.06	
1992-93	682	1,036	205	29	1,501	168	3,621
	0.19	0.29	0.06	0.01	0.41	0.05	



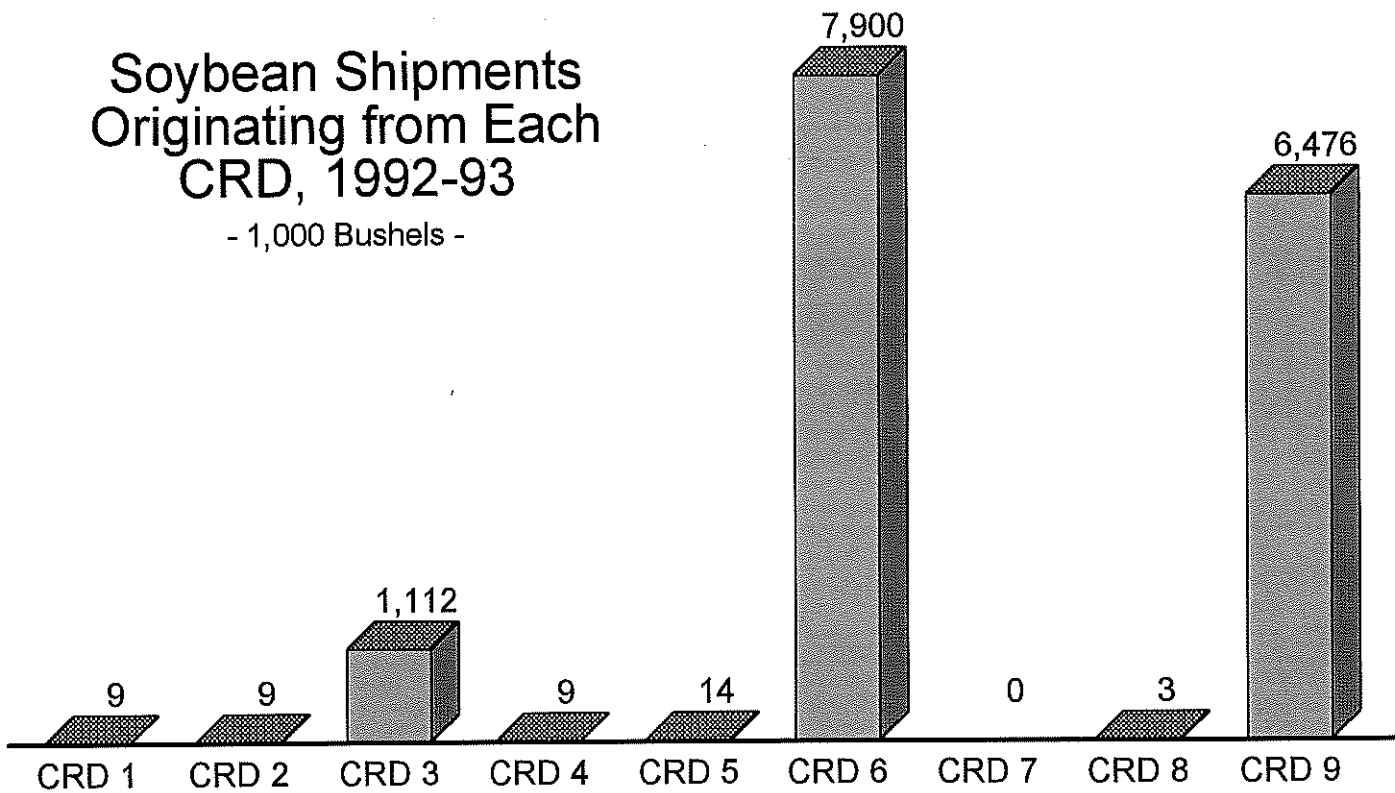
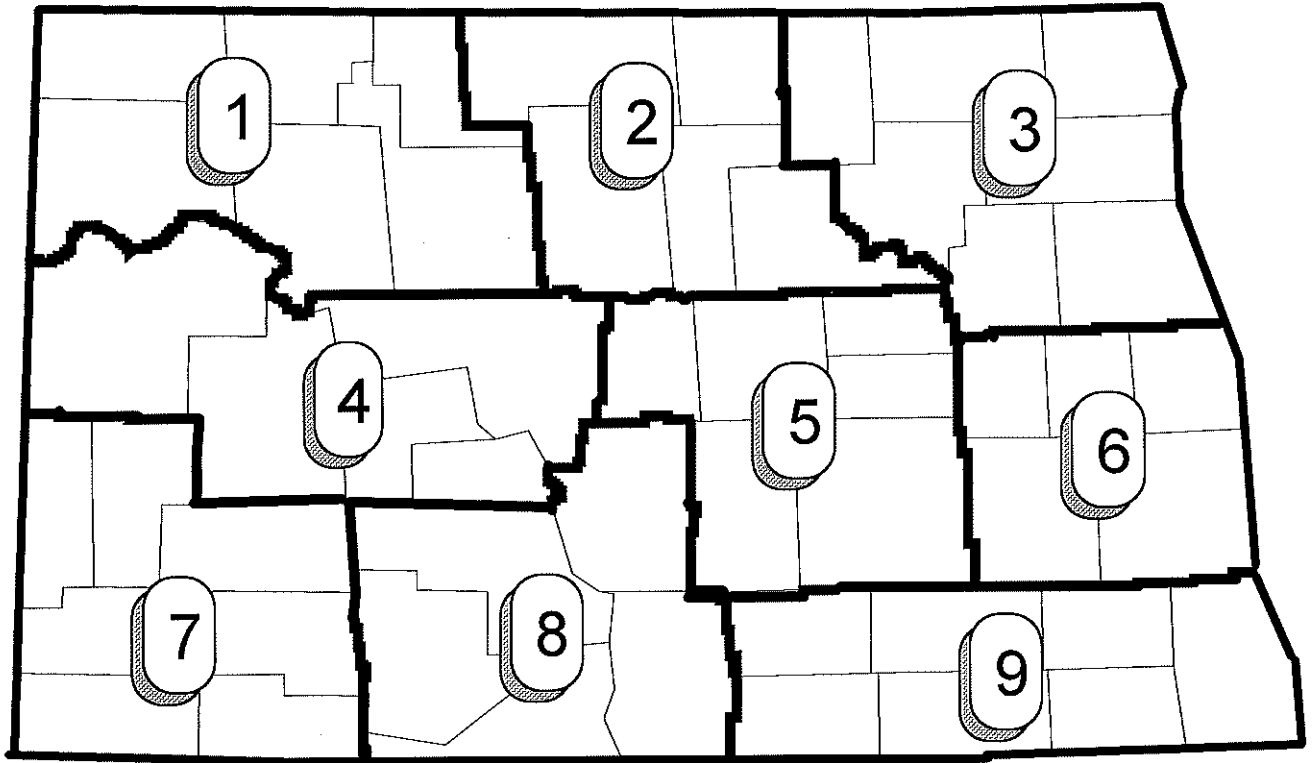
Destinations for Flaxseed Shipments from ND CRDs



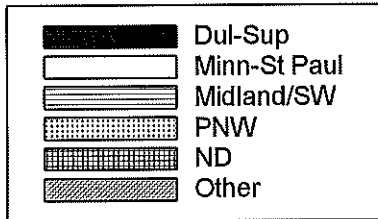
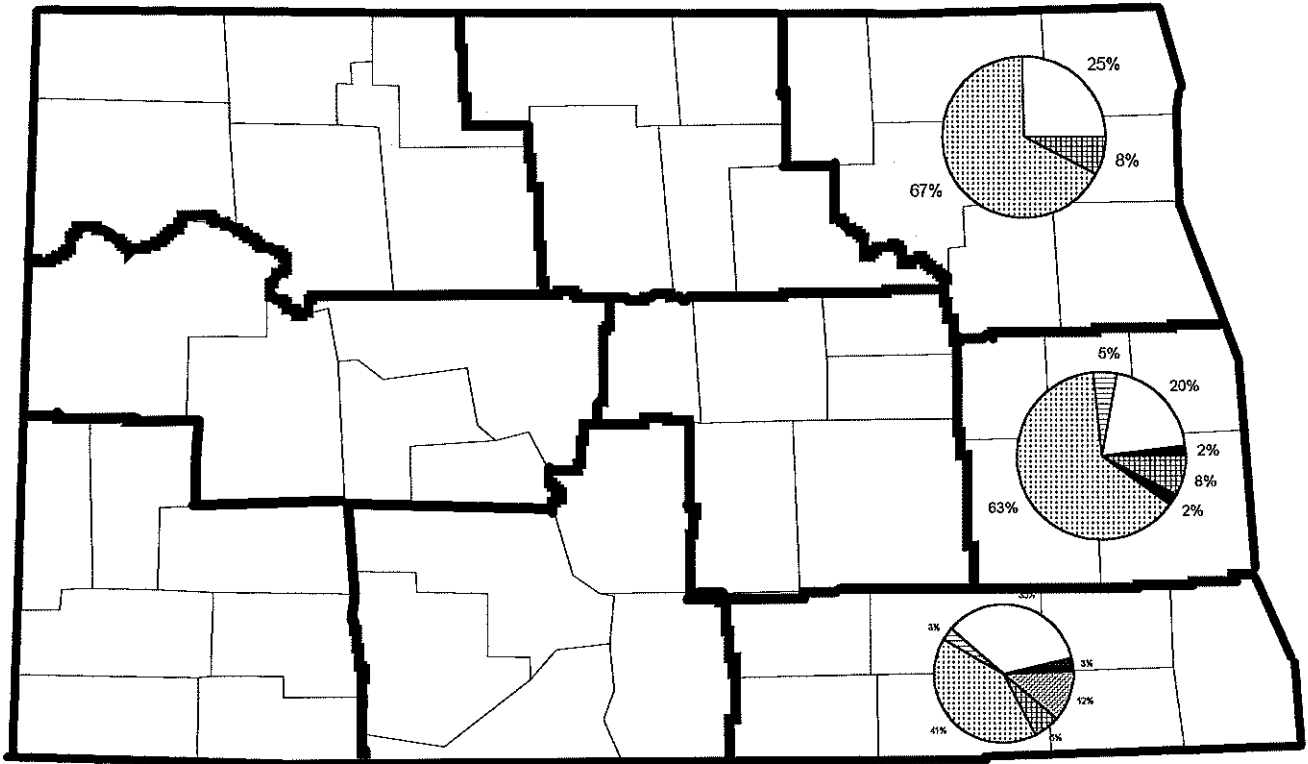


Soybeans

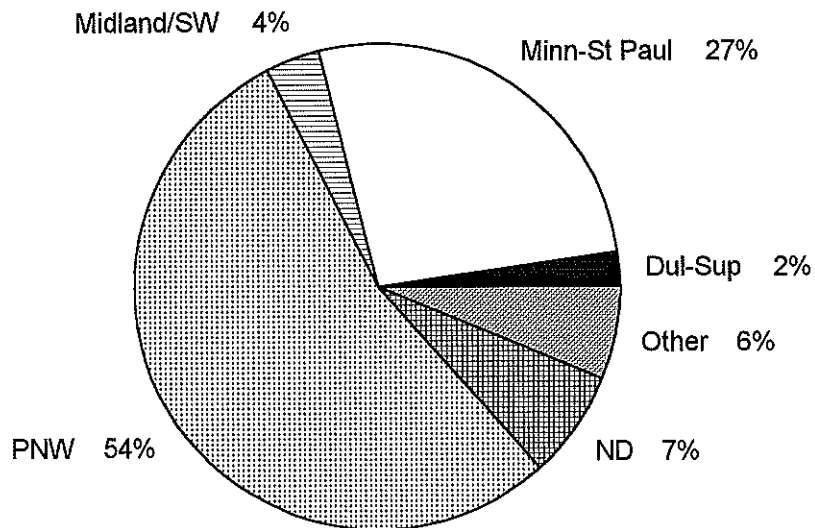
1992-93 NORTH DAKOTA CROP REPORTING DISTRICTS



Destinations for Soybean Shipments from Each CRD, 1992-93

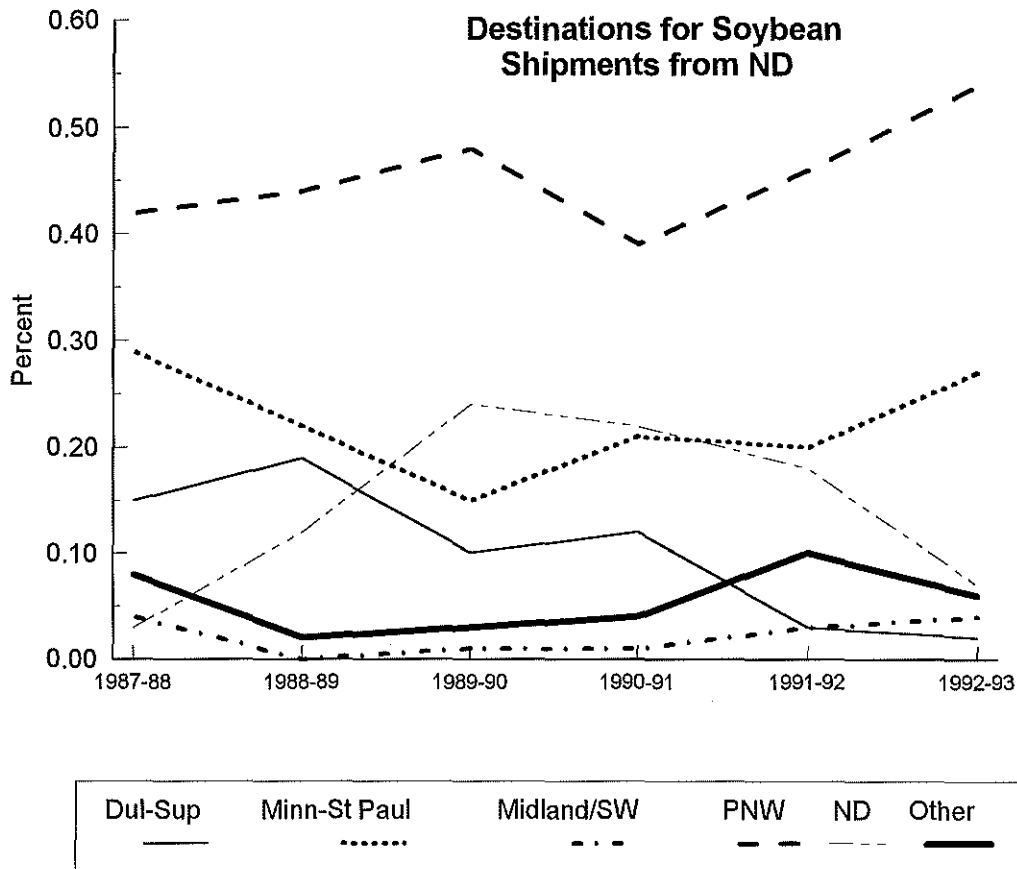


Destinations for Soybean Shipments from Elevators, 1992-93

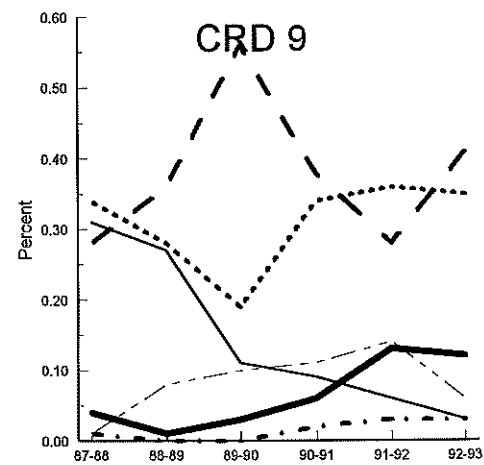
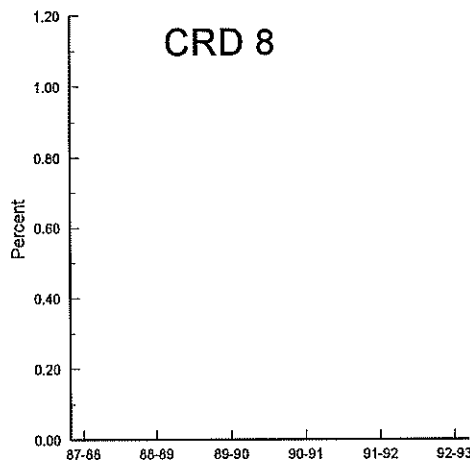
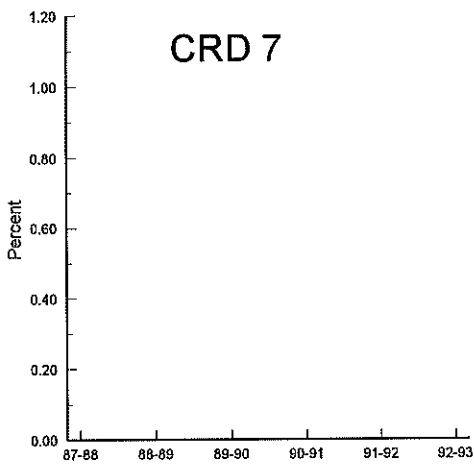
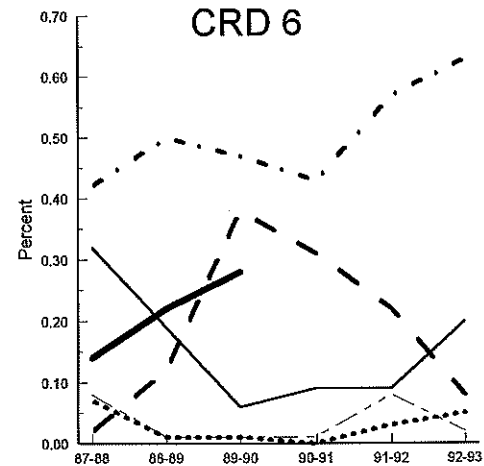
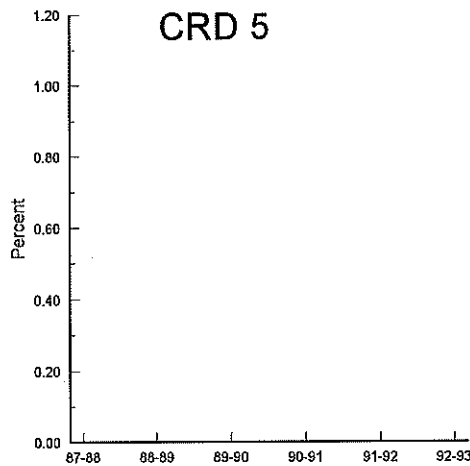
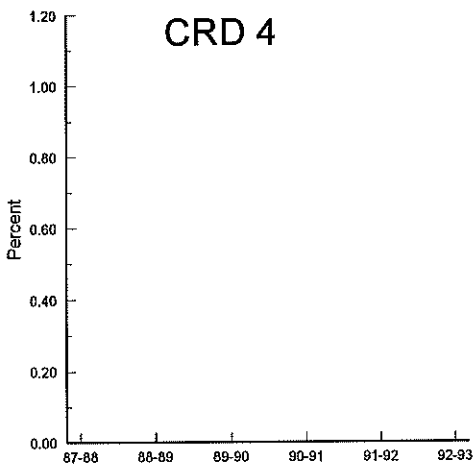
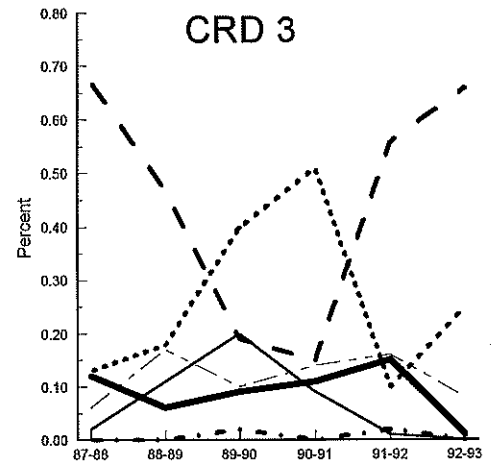
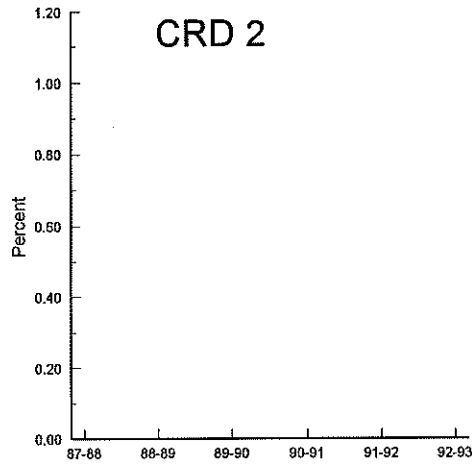
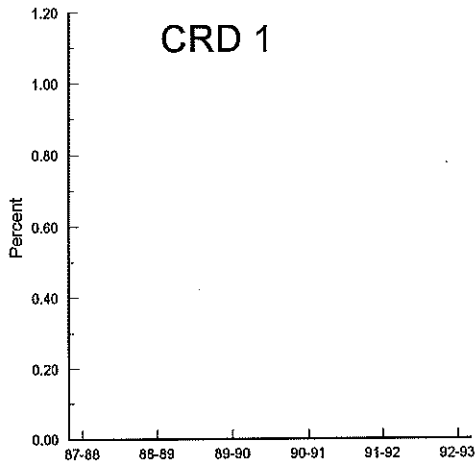
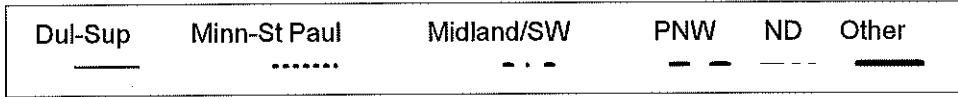


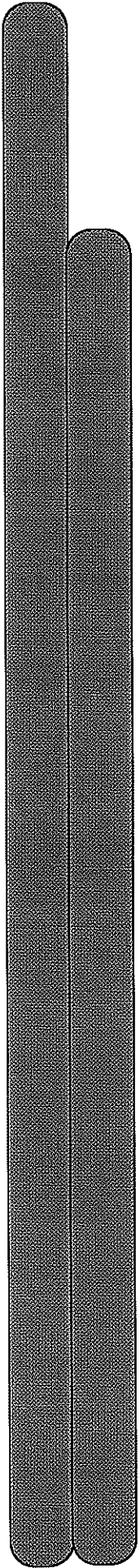
Destinations for Soybean Shipments from ND
(1,000 Bushels)

	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1987-88	2,800	5,267	648	7,797	479	1,423	18,414
	0.15	0.29	0.04	0.42	0.03	0.08	
1988-89	2,347	2,694	52	5,376	1,445	246	12,160
	0.19	0.22	0.00	0.44	0.12	0.02	
1989-90	1,379	2,131	111	6,712	3,304	379	14,016
	0.10	0.15	0.01	0.48	0.24	0.03	
1990-91	1,268	2,189	81	4,001	2,285	361	10,185
	0.12	0.21	0.01	0.39	0.22	0.04	
1991-92	511	3,255	428	7,552	3,002	1,715	16,463
	0.03	0.20	0.03	0.46	0.18	0.10	
1992-93	354	4,136	558	8,396	1,113	971	15,528
	0.02	0.27	0.04	0.54	0.07	0.06	



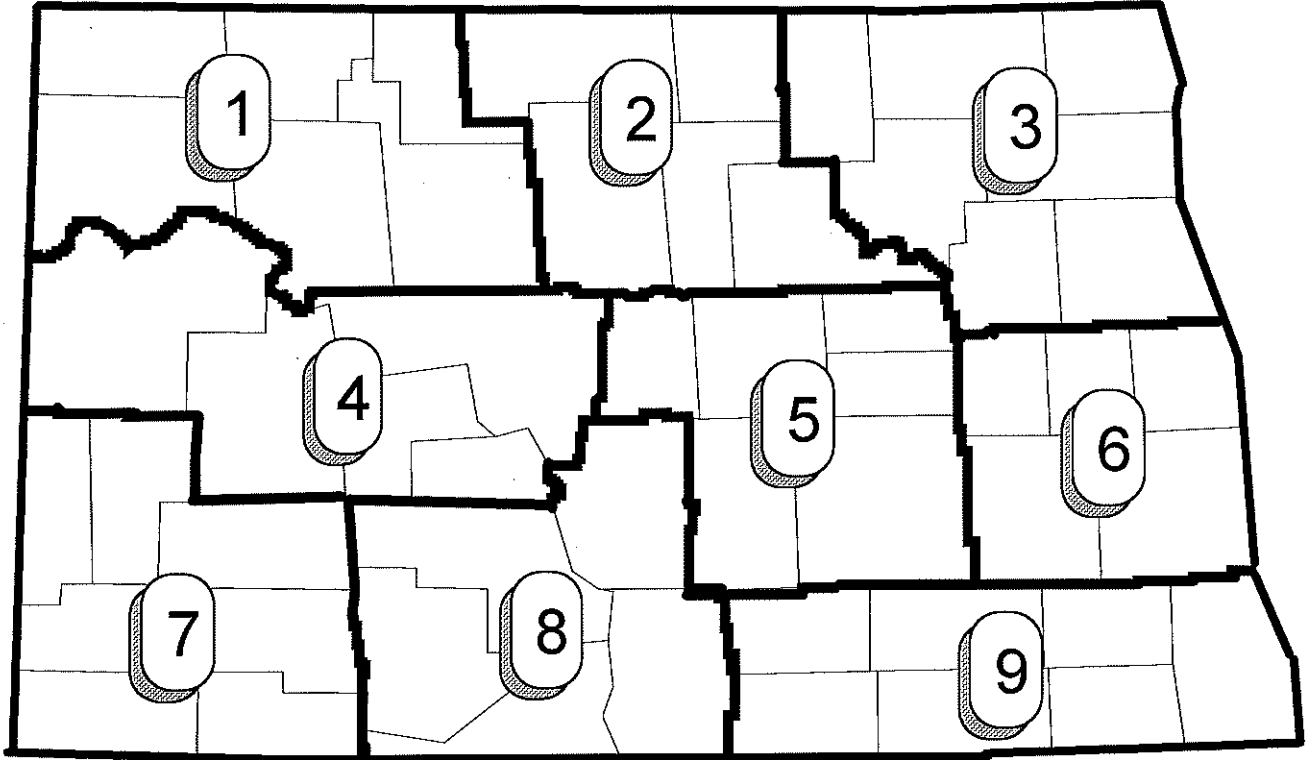
Destinations for Soybean Shipments from ND CRDs





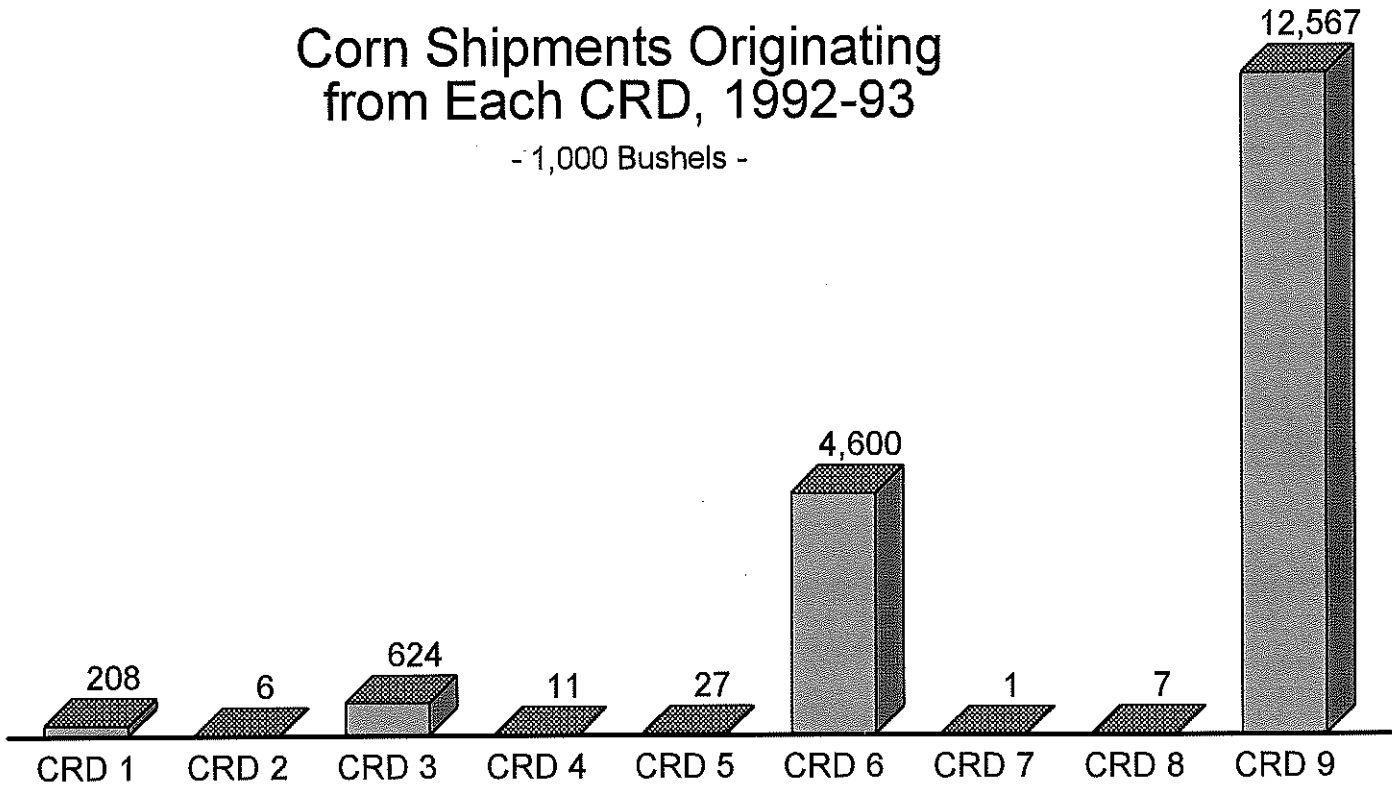
Corn

NORTH DAKOTA CROP REPORTING DISTRICTS

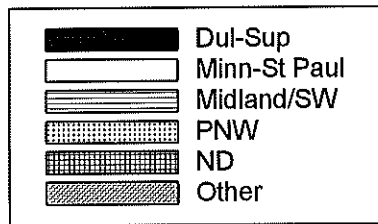
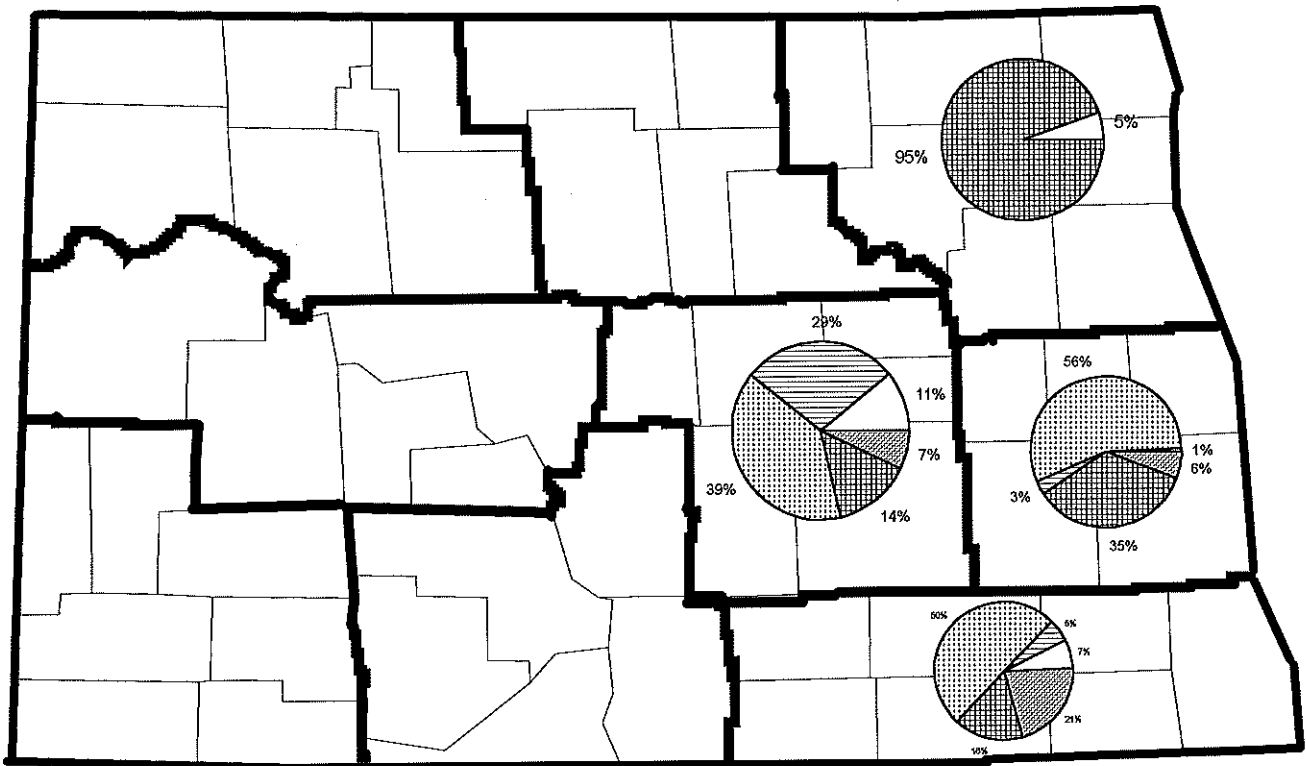


Corn Shipments Originating from Each CRD, 1992-93

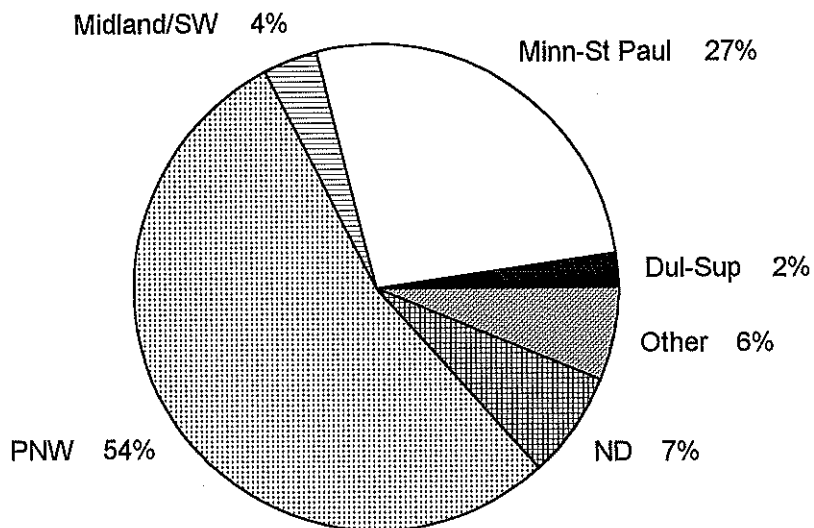
- 1,000 Bushels -



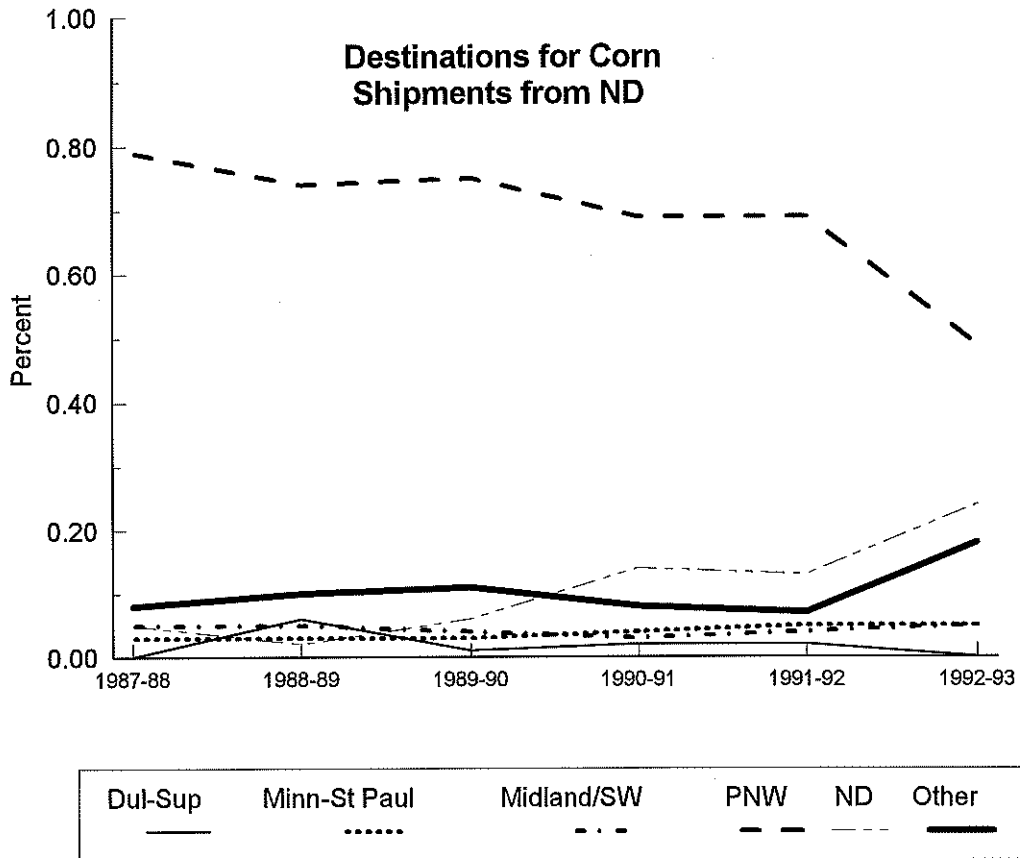
Destinations for Corn Shipments from Each CRD, 1992-93



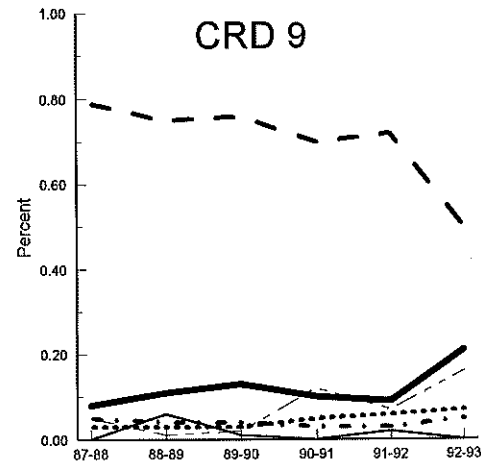
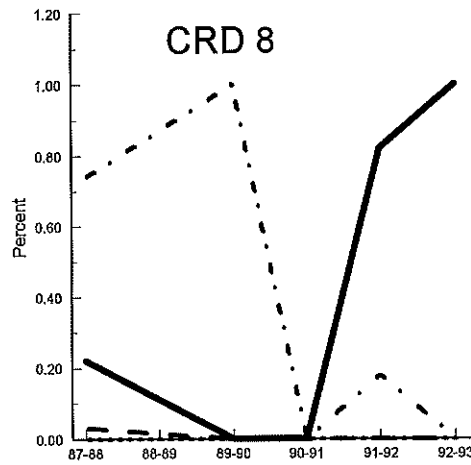
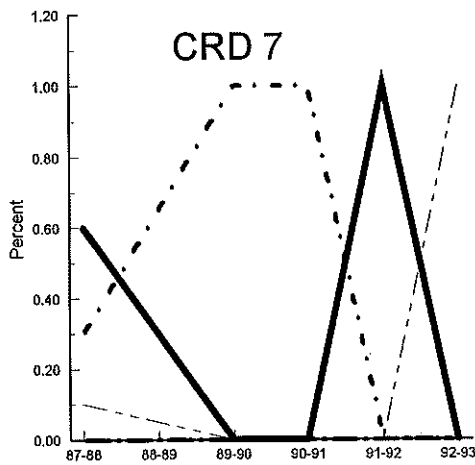
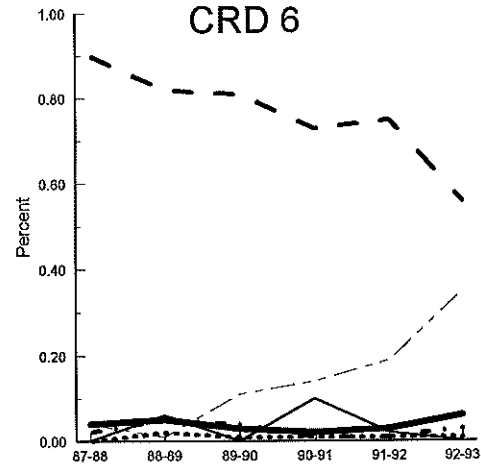
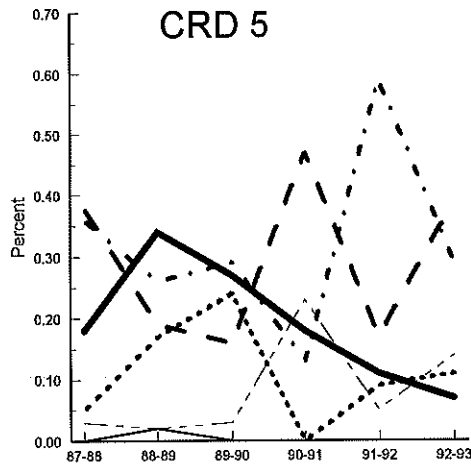
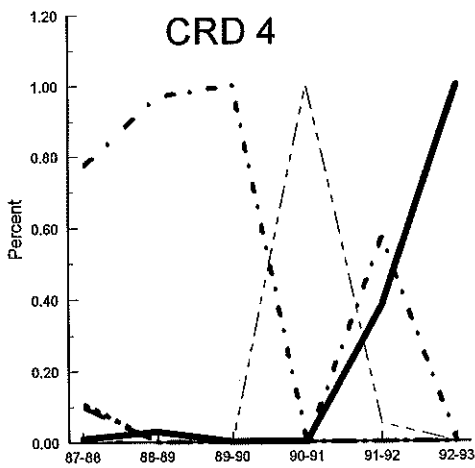
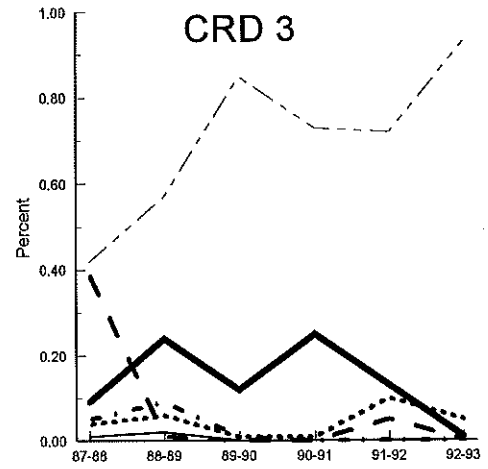
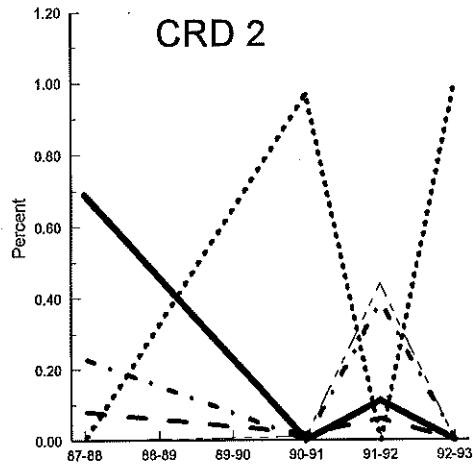
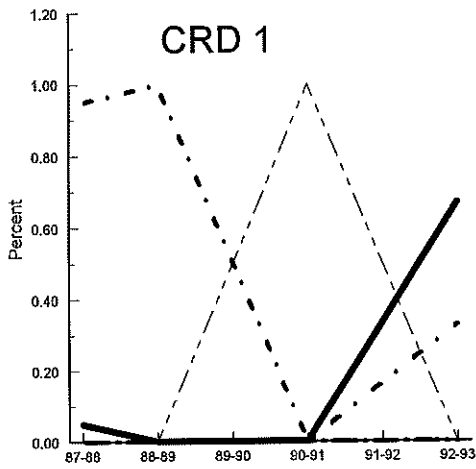
Destinations for Corn Shipments from Elevators, 1992-93

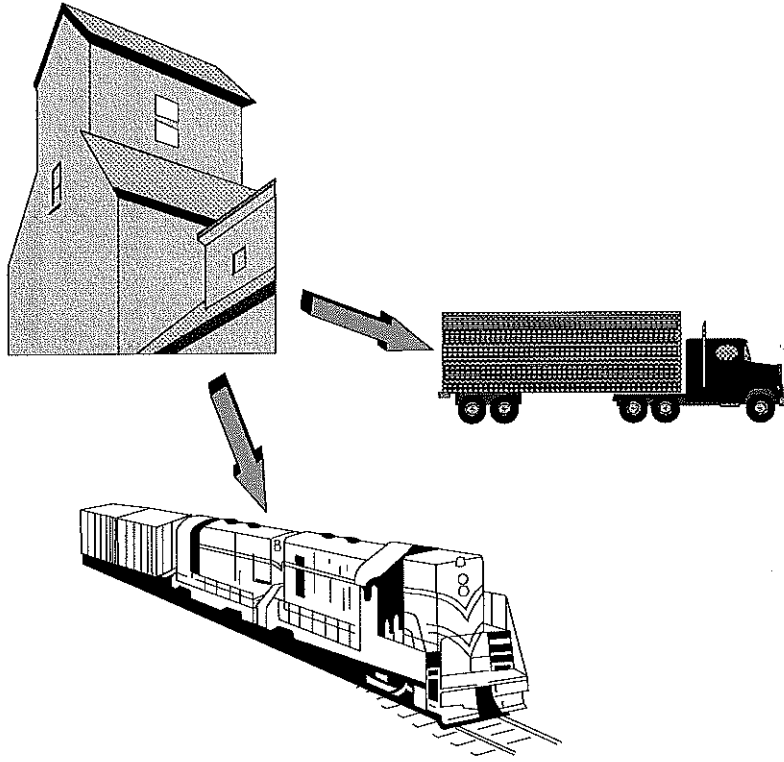


Destinations for Corn Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1987-88	17	548	948	15,457	922	1,554	19,446
	0.00	0.03	0.05	0.79	0.05	0.08	
1988-89	1,741	878	1,348	21,861	595	2,921	29,344
	0.06	0.03	0.05	0.74	0.02	0.10	
1989-90	358	981	1,481	26,133	1,967	3,844	34,764
	0.01	0.03	0.04	0.75	0.06	0.11	
1990-91	710	1,188	715	19,590	3,929	2,303	28,435
	0.02	0.04	0.03	0.69	0.14	0.08	
1991-92	666	1,873	1,287	25,034	4,603	2,621	36,084
	0.02	0.05	0.04	0.69	0.13	0.07	
1992-93	0	929	814	8,903	4,247	3,161	18,054
	0.00	0.05	0.05	0.49	0.24	0.18	



Destinations for Corn Shipments from ND CRDs

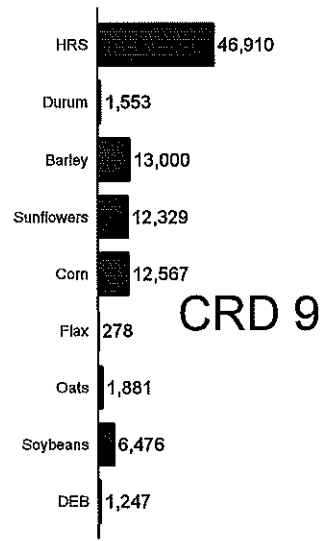
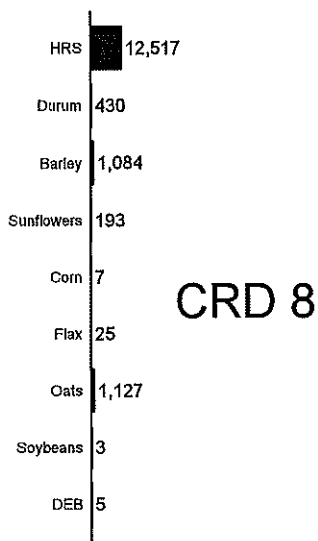
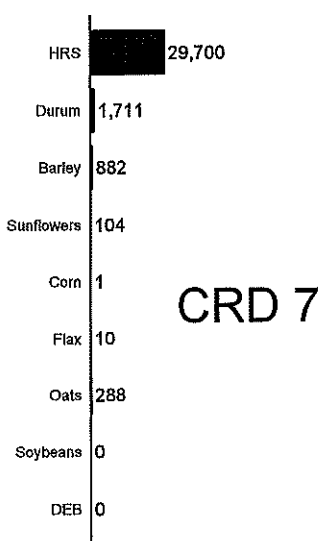
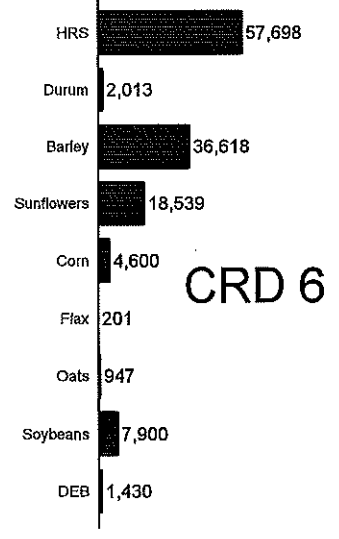
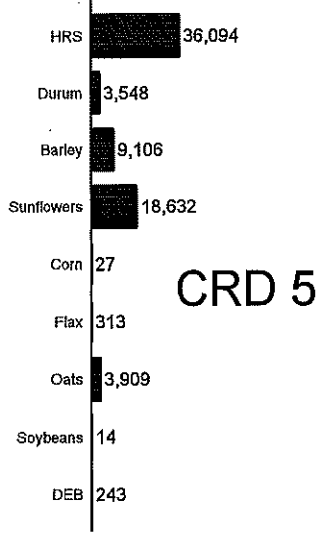
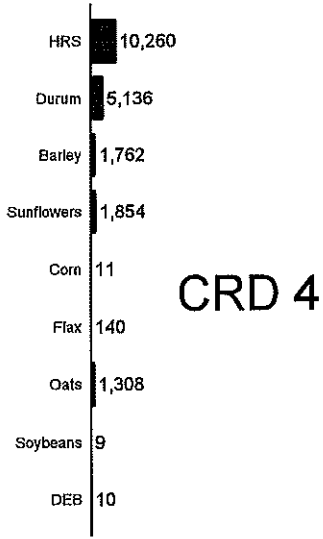
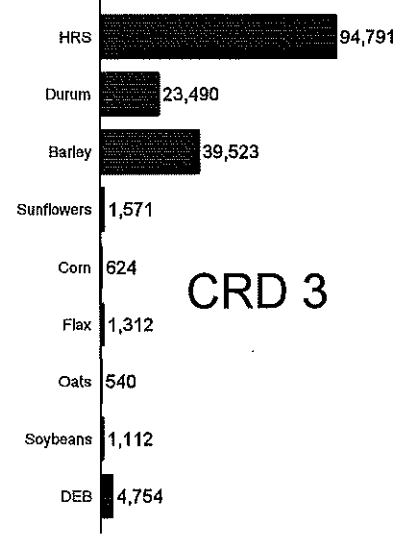
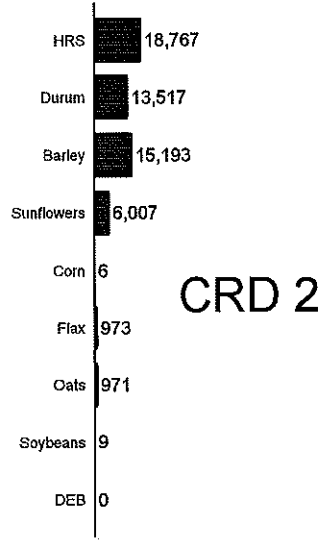
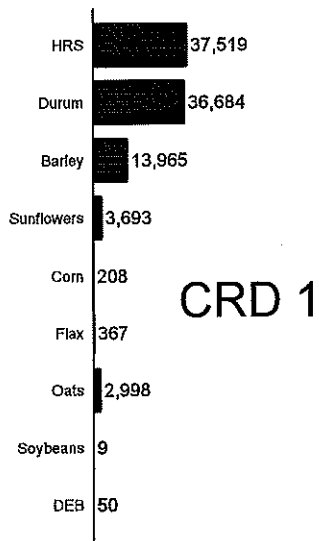




**MODE FOR GRAIN AND OILSEED
SHIPMENTS ORIGINATING FROM
NORTH DAKOTA ELEVATORS**

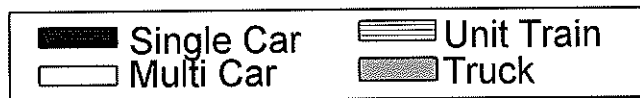
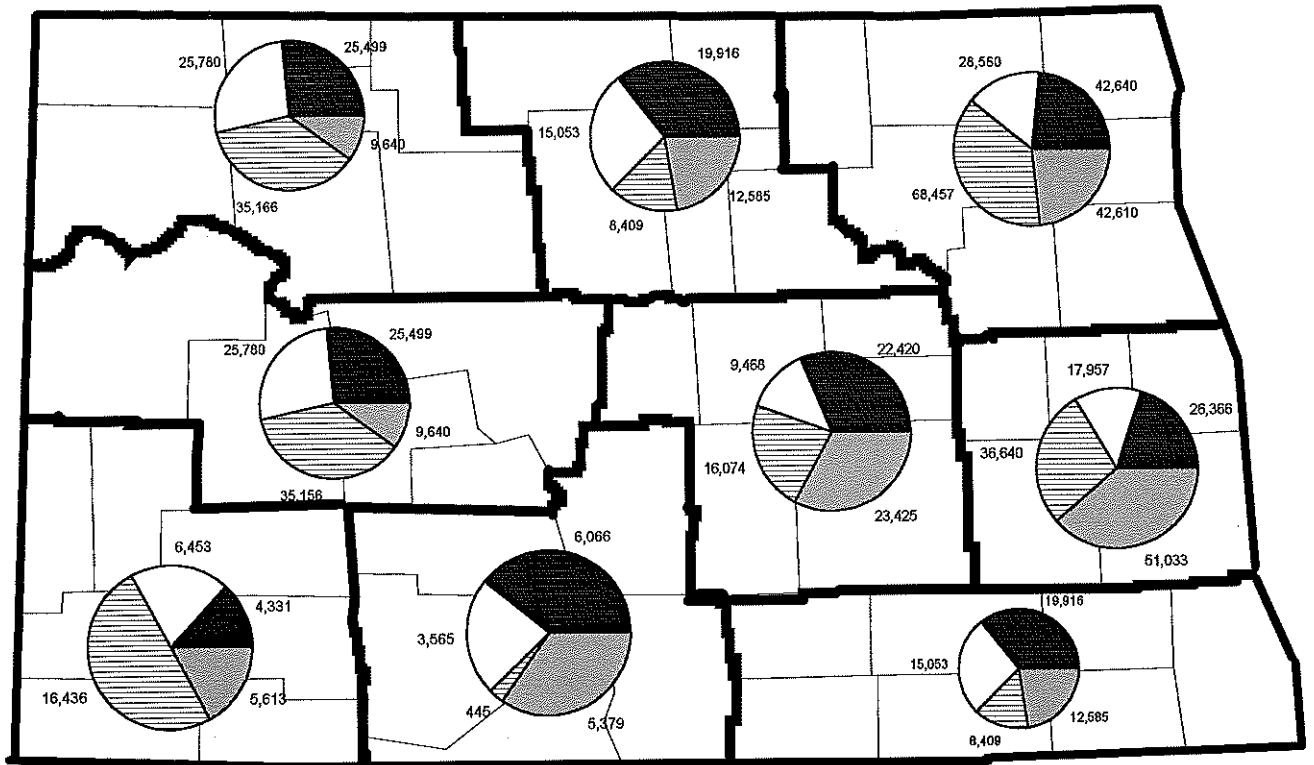
Grain and Oilseed Shipments from Each CRD, 1992-93

- 1,000 Bushels -



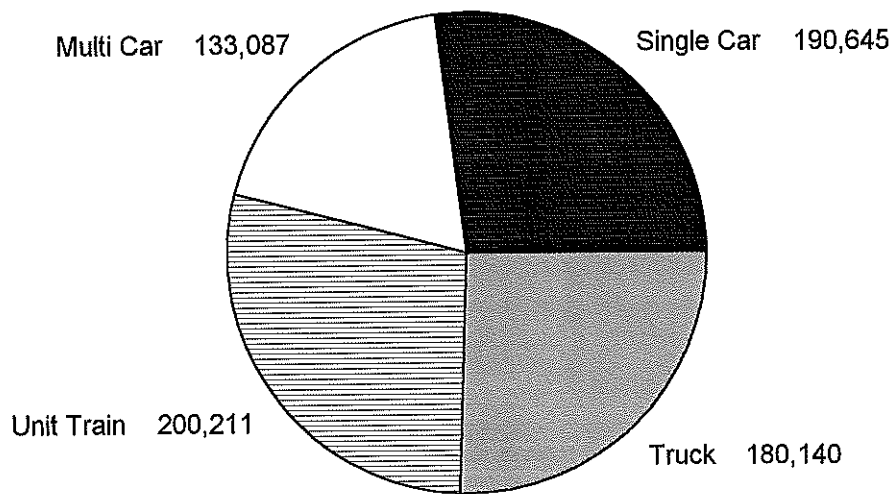
Mode for Shipments of Grain and Oilseeds from Each CRD, 1992-93

- 1,000 Bushels -



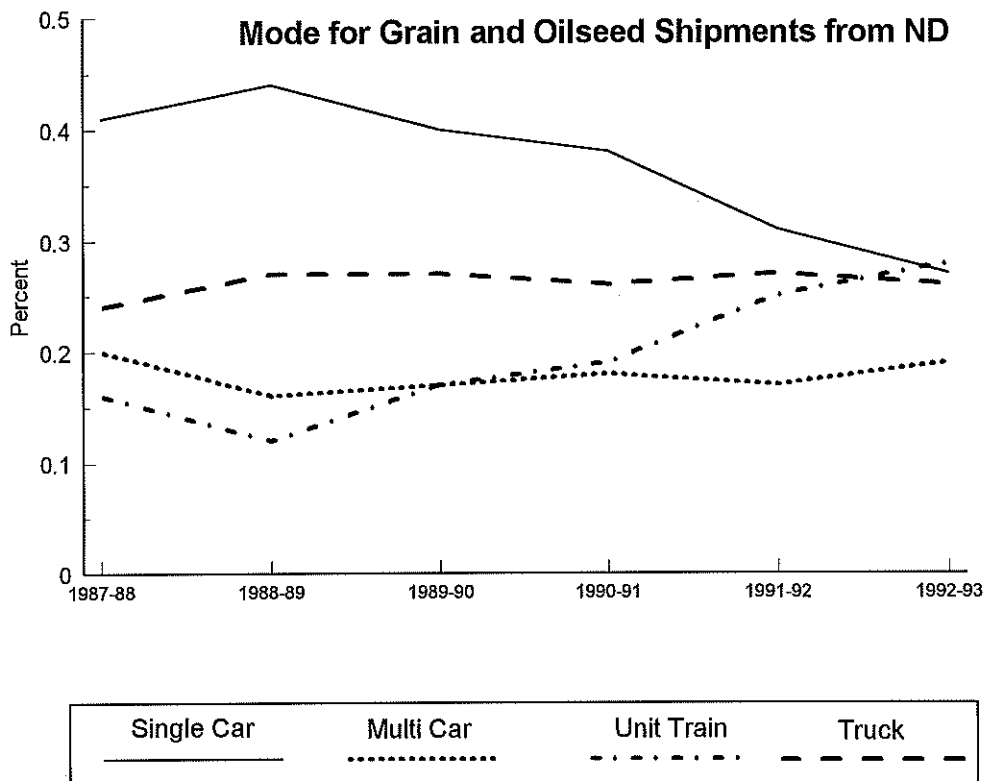
Shipments from All ND Elevators by Each Mode

- 1,000 Bushels -

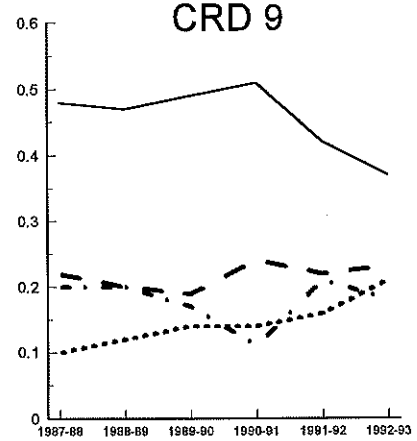
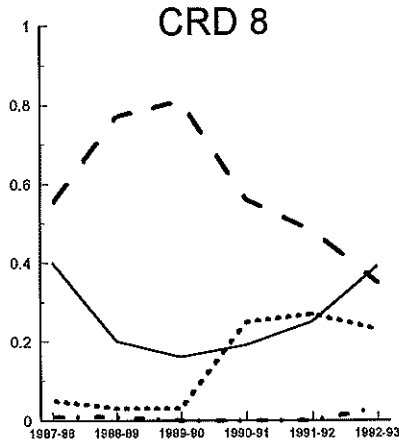
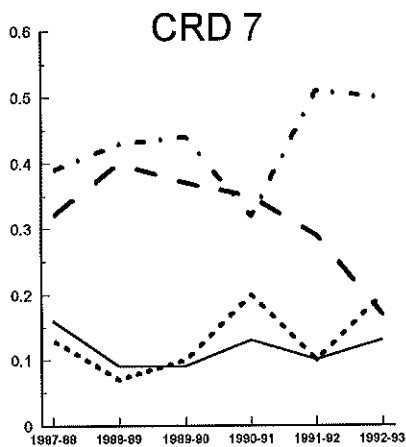
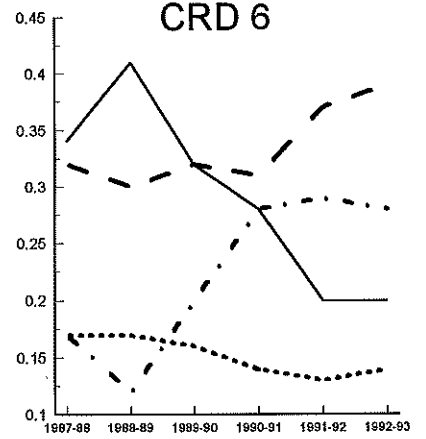
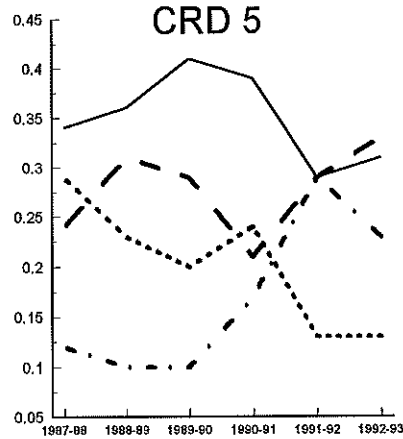
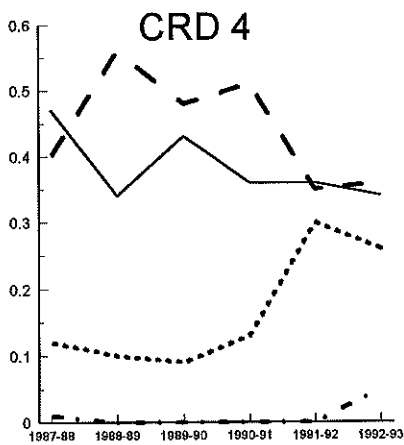
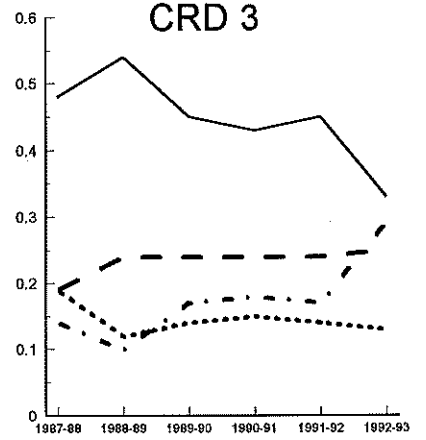
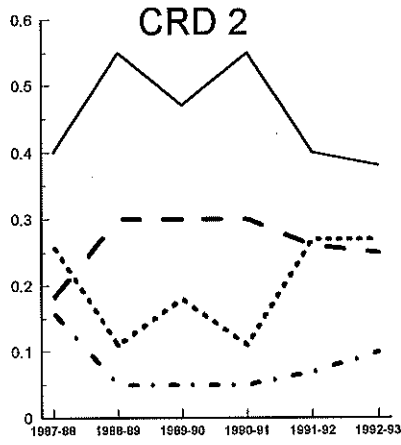
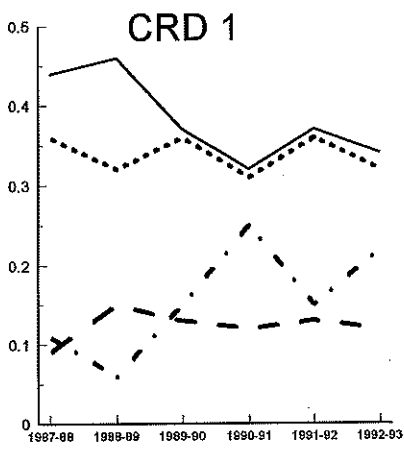
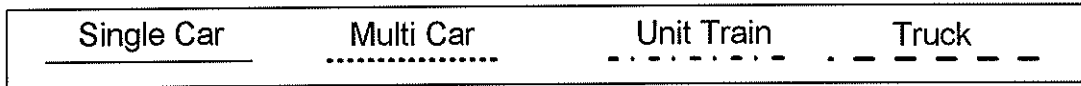


Mode for Grain and Oilseed Shipments from ND
(1,000 Bushels)

	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	212,249 0.41	101,468 0.20	80,834 0.16	123,286 0.24	517,837
1988-89	164,205 0.44	60,221 0.16	46,540 0.12	101,411 0.27	372,377
1989-90	189,686 0.40	81,491 0.17	80,157 0.17	127,088 0.27	478,422
1990-91	191,164 0.38	91,534 0.18	94,089 0.19	129,435 0.26	506,222
1991-92	188,150 0.31	107,019 0.17	152,560 0.25	165,033 0.27	612,762
1992-93	190,645 0.27	133,087 0.19	200,211 0.28	180,140 0.26	704,083

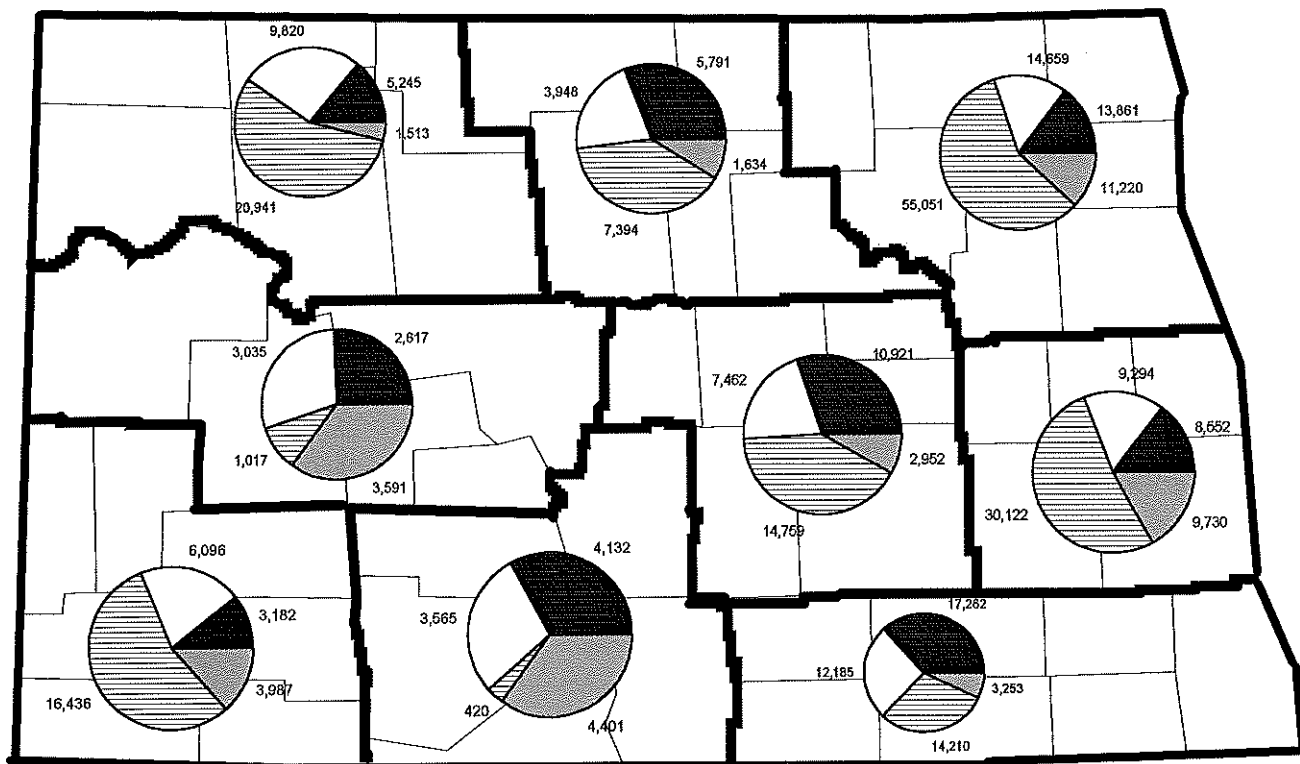


Mode for Grain and Oilseed Shipments from Each CRD - Percent -



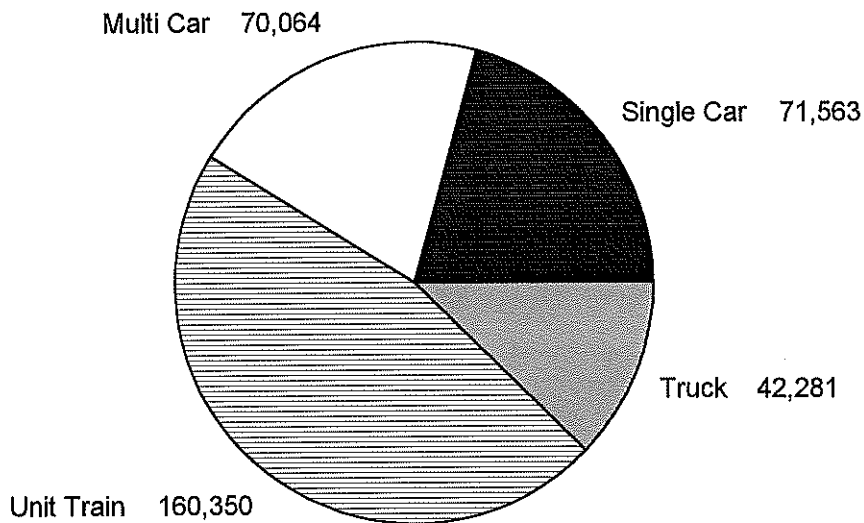
Mode for Shipments of HRS Wheat from Each CRD, 1992-93

- 1,000 Bushels -

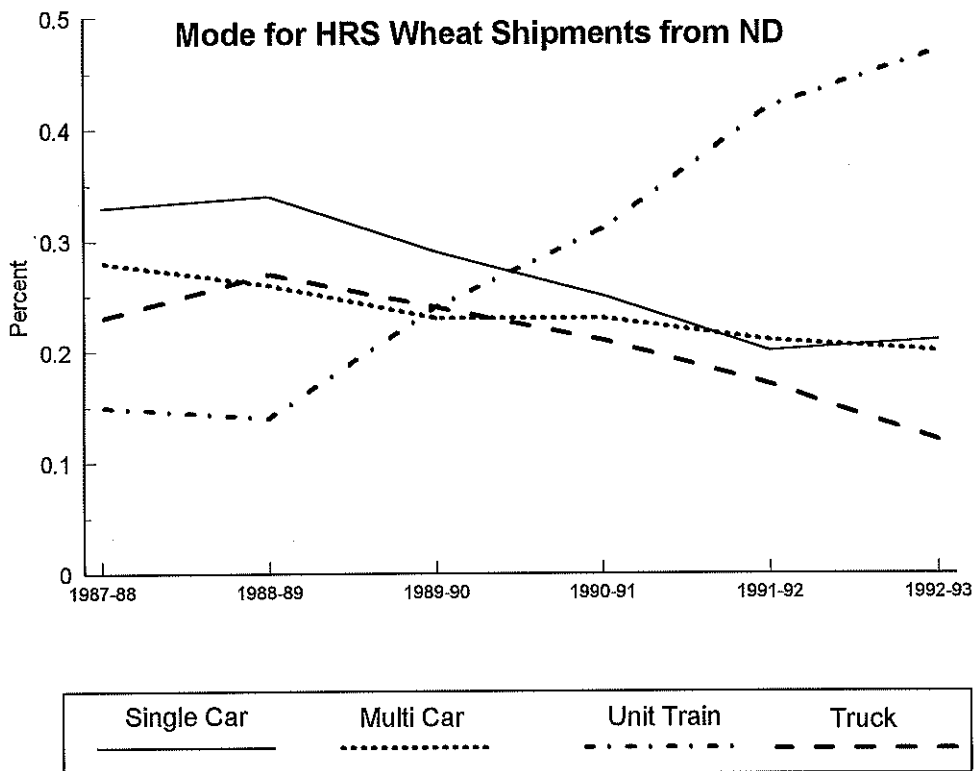


Shipments of HRS Wheat from All ND Elevators by Each Mode

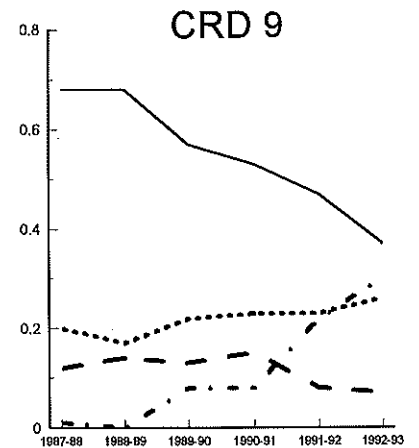
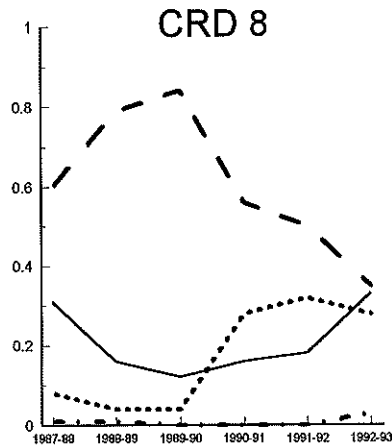
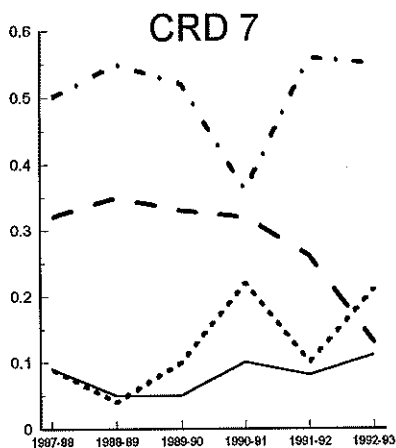
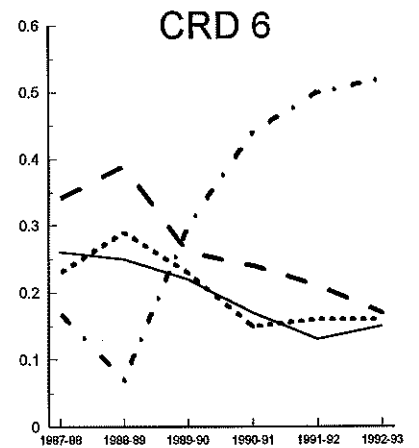
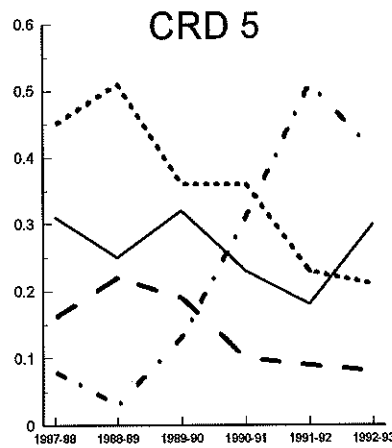
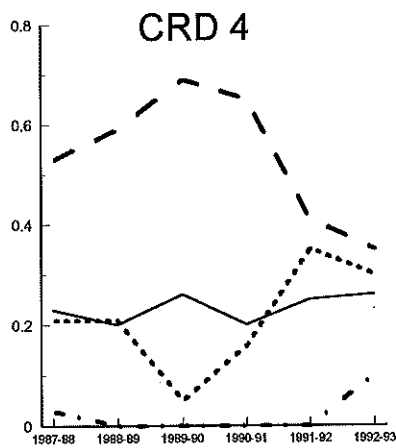
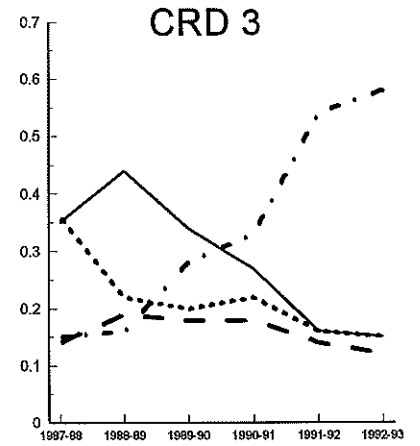
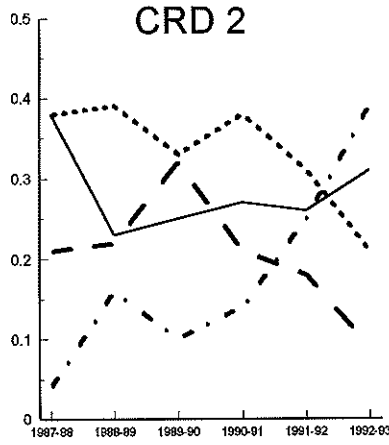
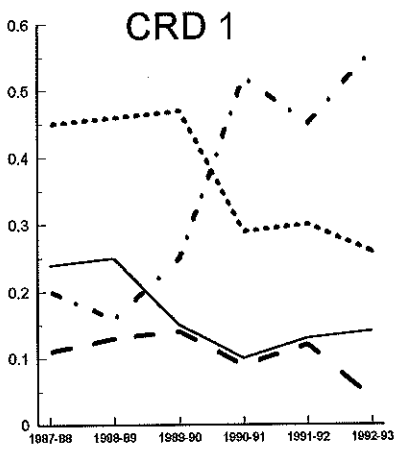
- 1,000 Bushels -



Mode for HRS Wheat Shipments from ND					
(1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	61,821	53,183	29,006	43,826	187,836
	0.33	0.28	0.15	0.23	
1988-89	45,550	35,312	18,704	36,275	135,841
	0.34	0.26	0.14	0.27	
1989-90	55,933	44,517	46,736	45,299	192,485
	0.29	0.23	0.24	0.24	
1990-91	46,978	44,463	59,497	40,134	191,072
	0.25	0.23	0.31	0.21	
1991-92	51,778	53,793	110,349	45,500	261,420
	0.20	0.21	0.42	0.17	
1992-93	71,563	70,064	160,350	42,281	344,258
	0.21	0.20	0.47	0.12	

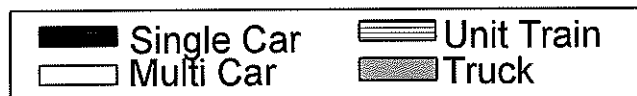
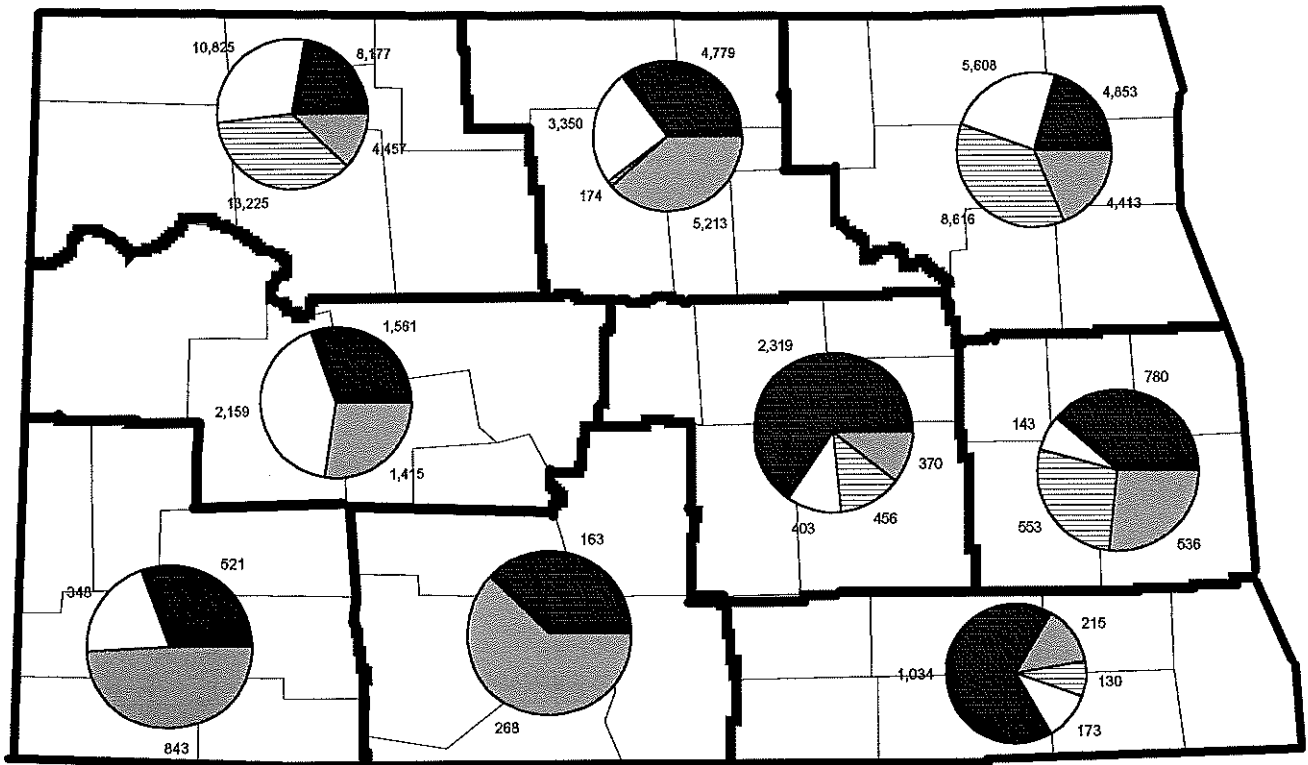


Mode for HRS Wheat Shipments from Each CRD - Percent -



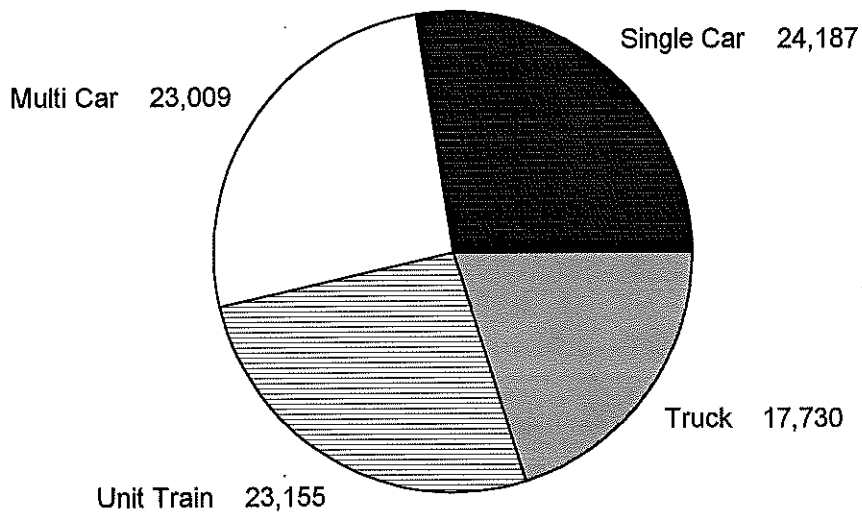
Mode for Shipments of Durum from Each CRD, 1992-93

- 1,000 Bushels -

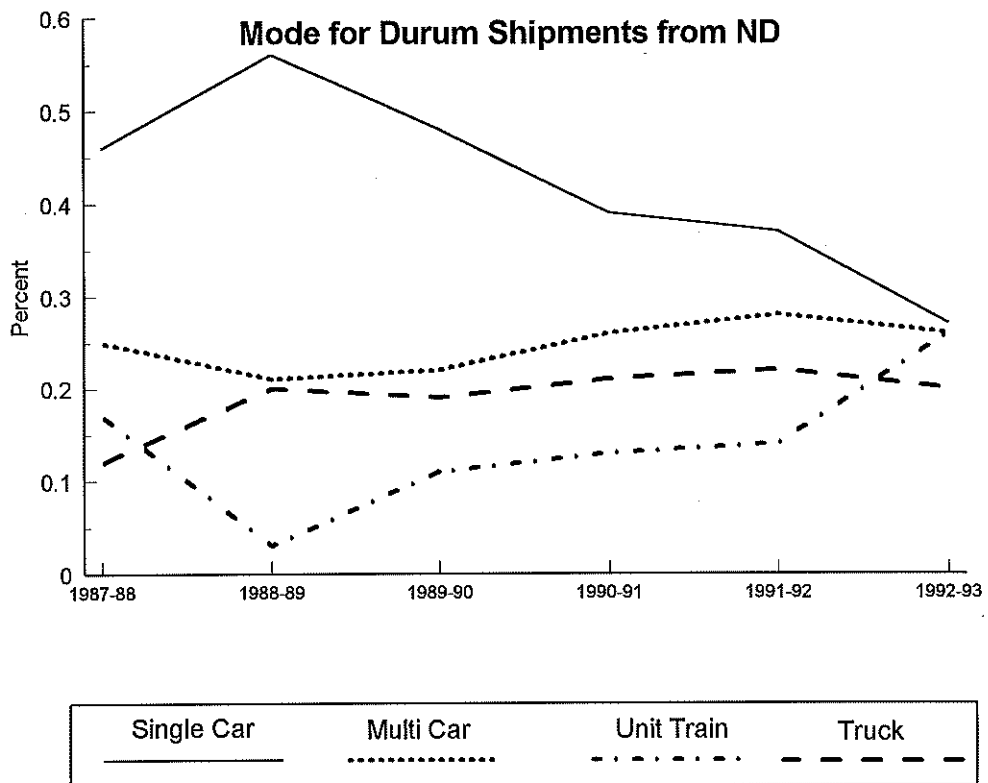


Shipments of Durum from All ND Elevators by Each Mode

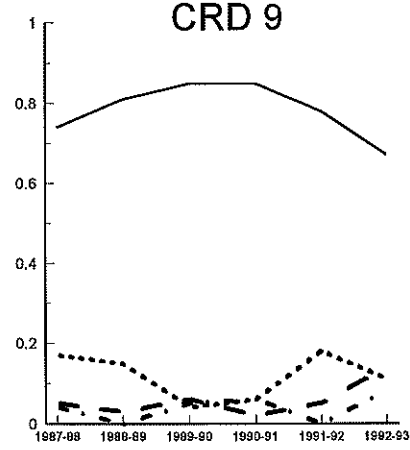
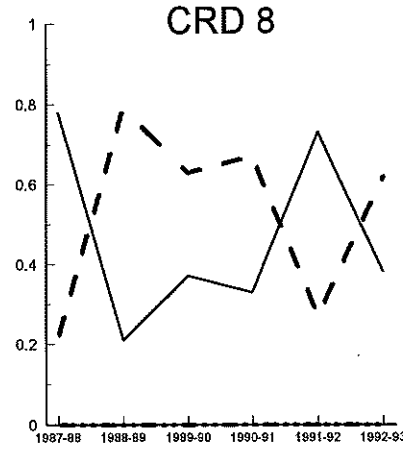
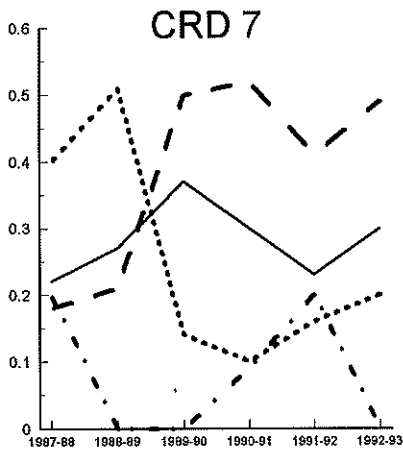
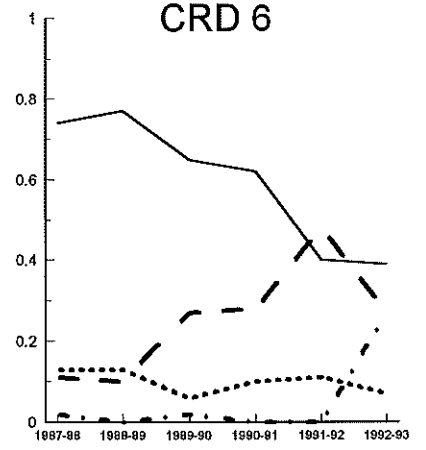
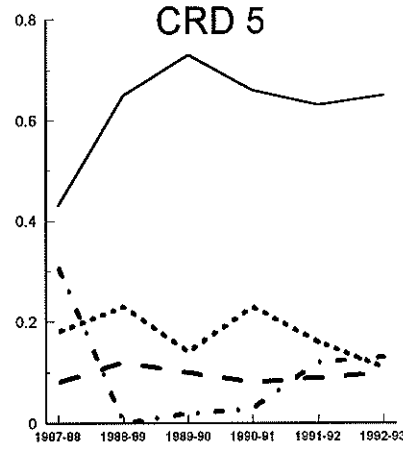
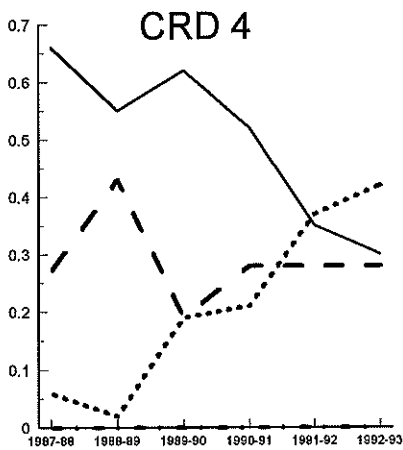
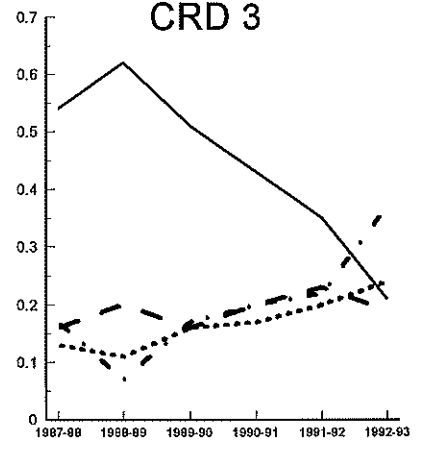
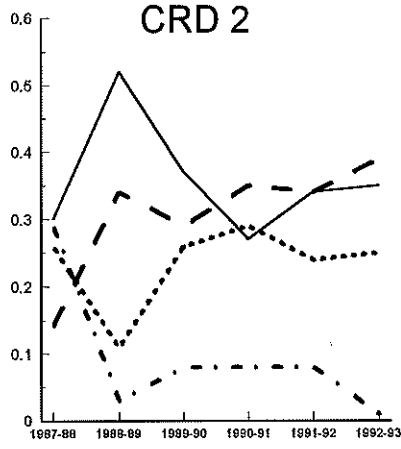
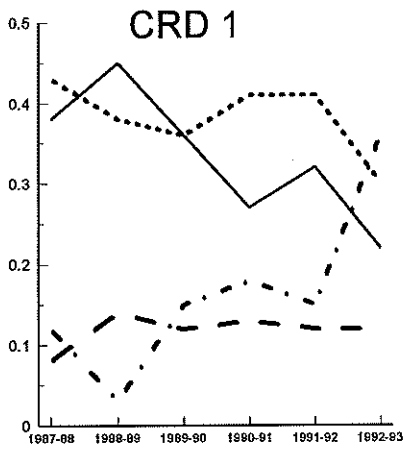
- 1,000 Bushels -



Mode for Durum Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	35,618	19,334	12,905	9,537	77,394
	0.46	0.25	0.17	0.12	
1988-89	24,606	9,239	1,443	8,617	43,905
	0.56	0.21	0.03	0.20	
1989-90	34,473	15,875	8,177	13,479	72,004
	0.48	0.22	0.11	0.19	
1990-91	30,759	20,512	10,399	16,638	78,308
	0.39	0.26	0.13	0.21	
1991-92	30,784	23,459	11,481	18,169	83,893
	0.37	0.28	0.14	0.22	
1992-93	24,187	23,009	23,155	17,730	88,081
	0.27	0.26	0.26	0.20	

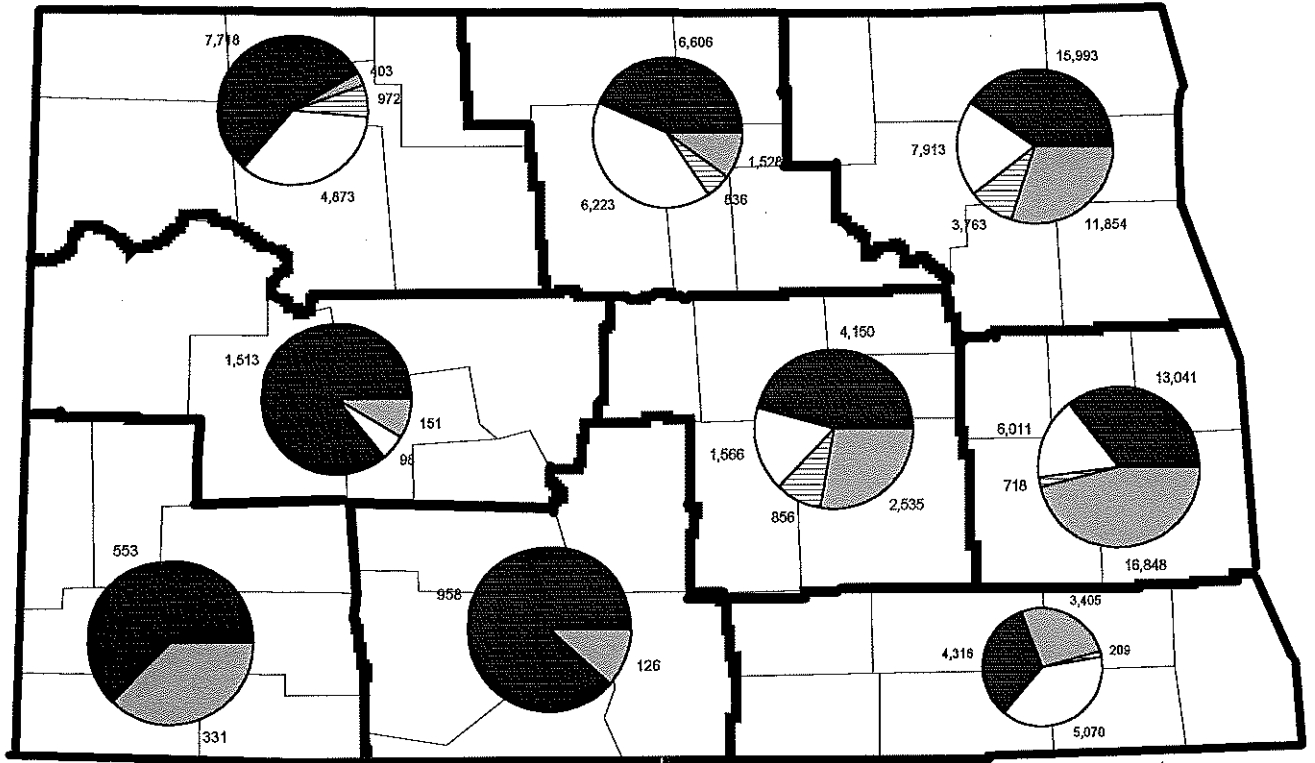


Mode for Durum Shipments from Each CRD - Percent -



Mode for Shipments of Barley from Each CRD, 1992-93

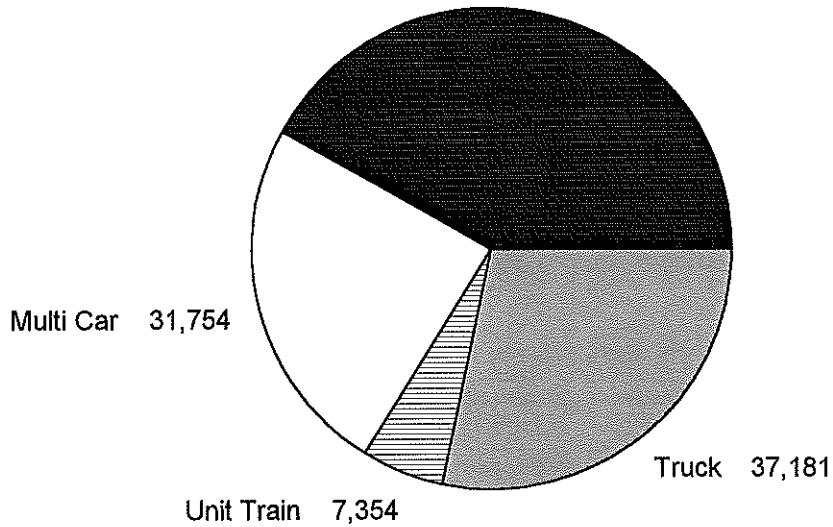
- 1,000 Bushels -



Shipments of Barley from All ND Elevators by Each Mode

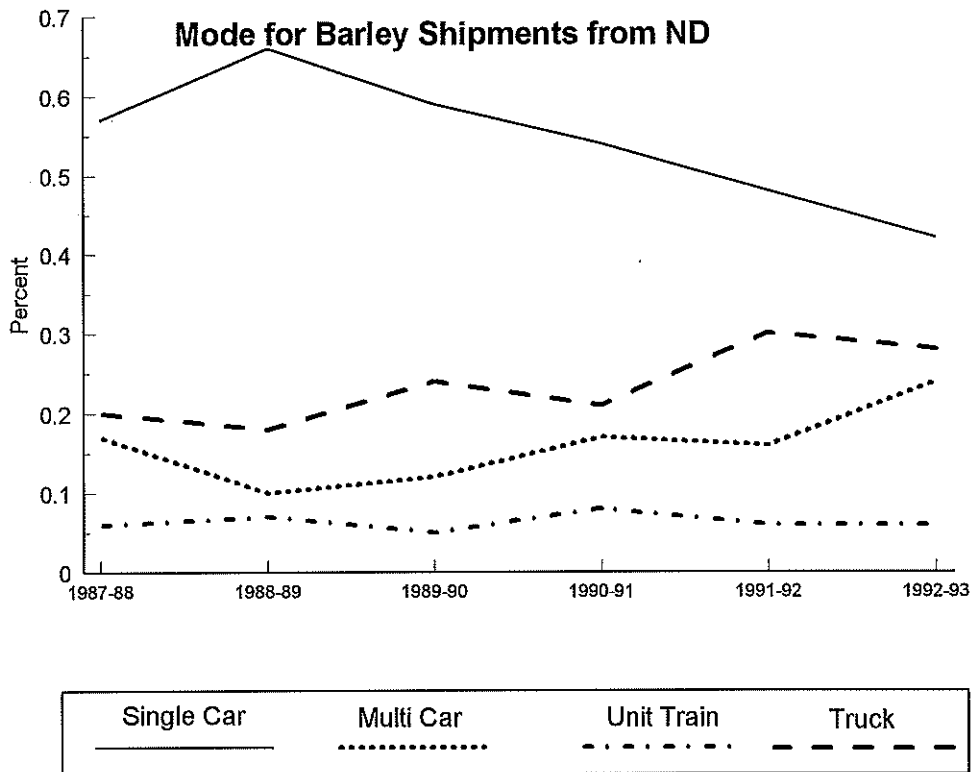
- 1,000 Bushels -

Single Car 54,849



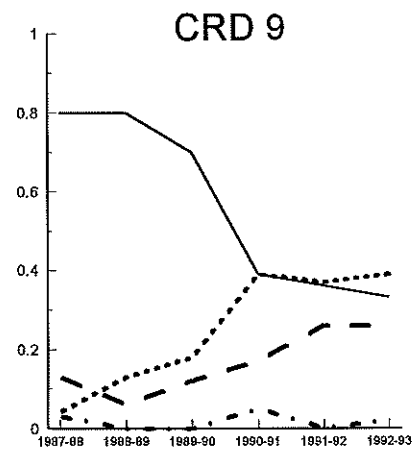
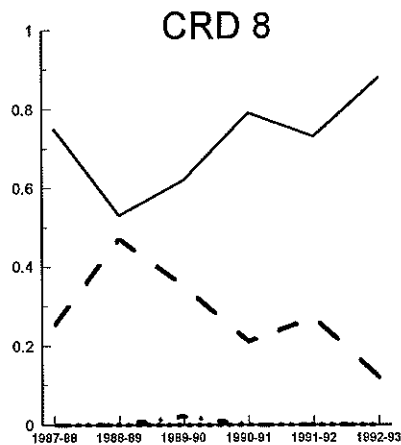
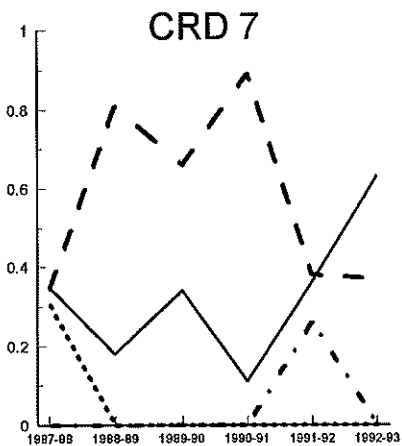
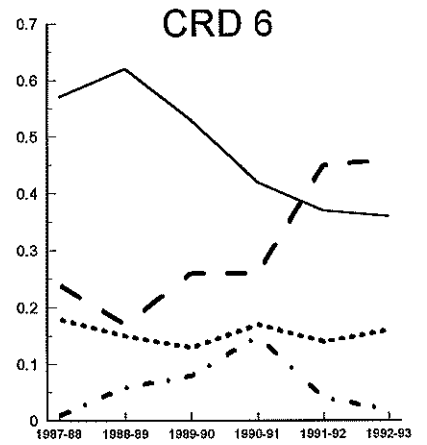
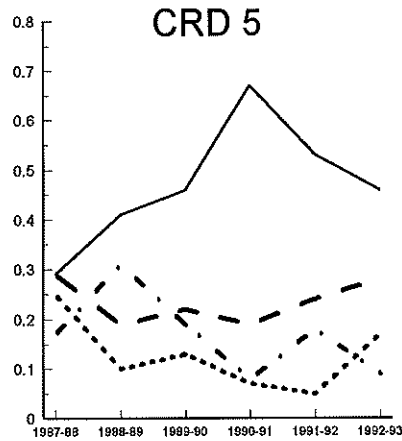
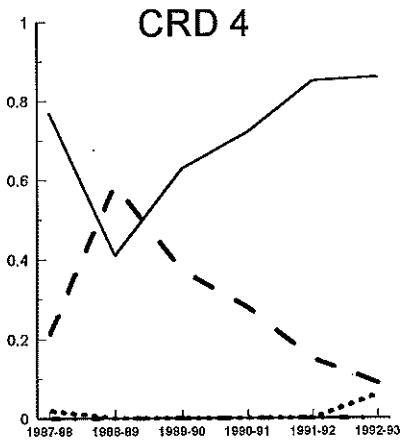
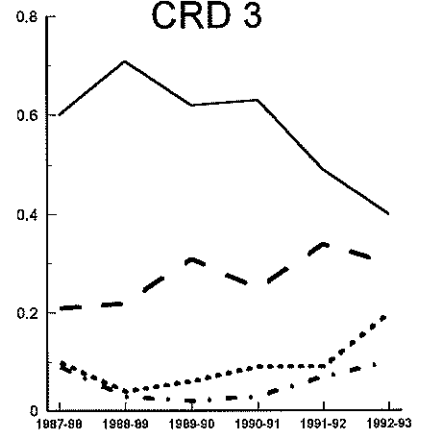
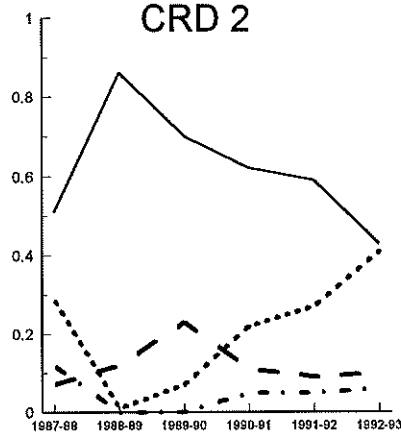
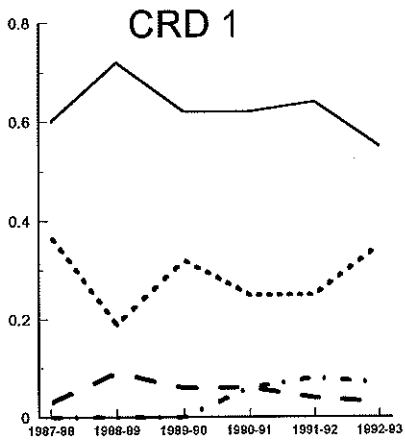
Mode for Barley Shipments from ND
(1,000 Bushels)

	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	59,775 0.57	17,673 0.17	6,299 0.06	20,652 0.20	104,399
1988-89	60,951 0.66	9,337 0.10	6,185 0.07	16,243 0.18	92,716
1989-90	65,876 0.59	13,674 0.12	5,234 0.05	27,472 0.24	112,256
1990-91	61,138 0.54	19,859 0.17	9,244 0.08	23,805 0.21	114,046
1991-92	59,573 0.48	19,900 0.16	7,833 0.06	37,478 0.30	124,784
1992-93	54,849 0.42	31,754 0.24	7,354 0.06	37,181 0.28	131,138



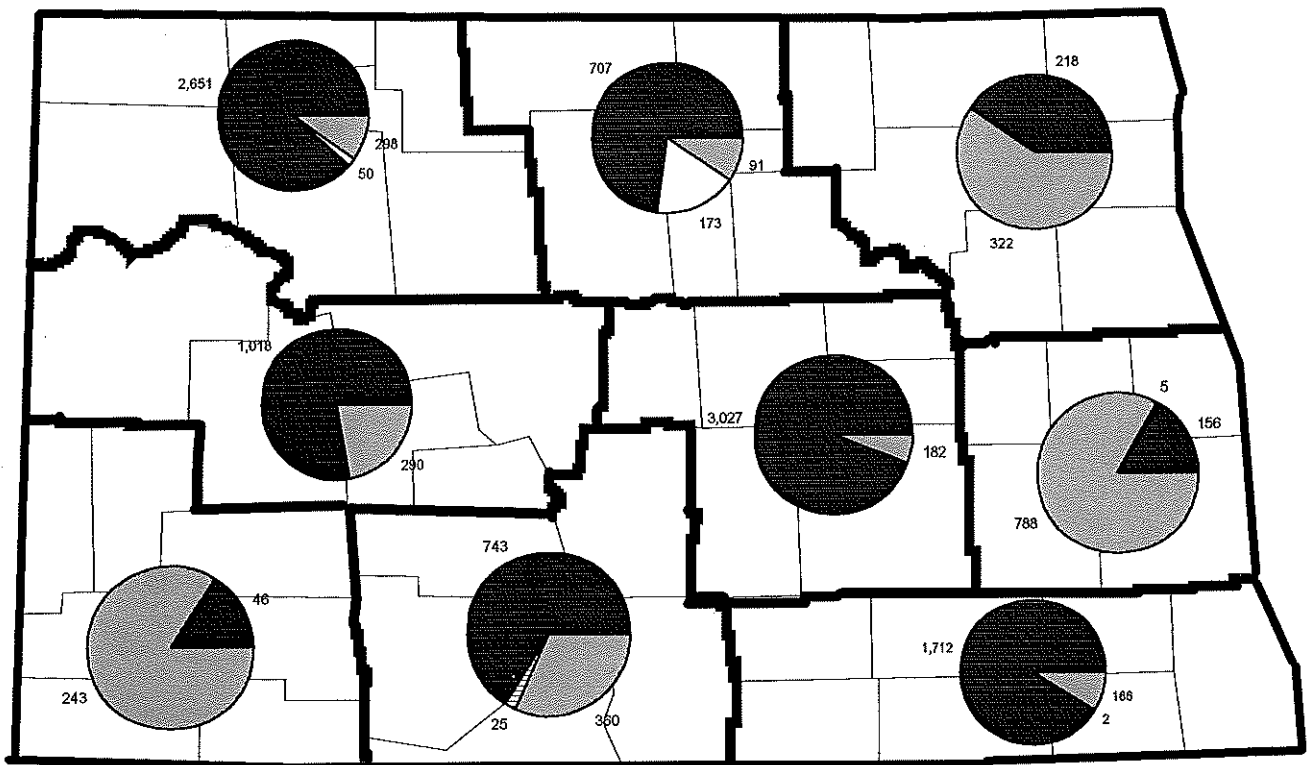
Mode for Barley Shipments from Each CRD

- Percent -



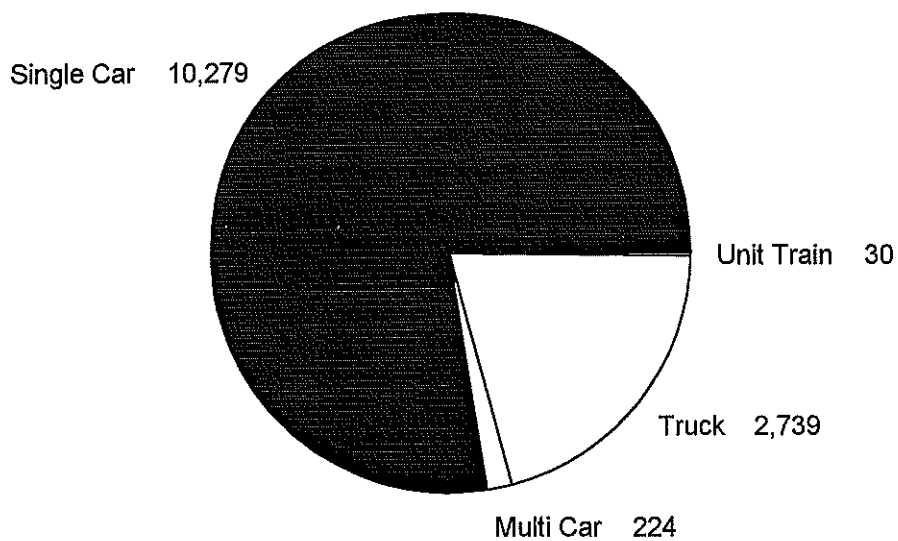
Mode for Shipments of Oats from Each CRD, 1992-93

- 1,000 Bushels -



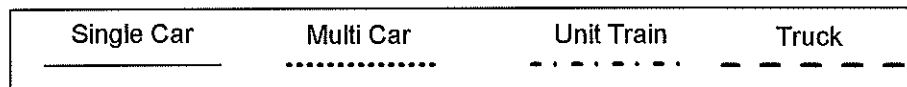
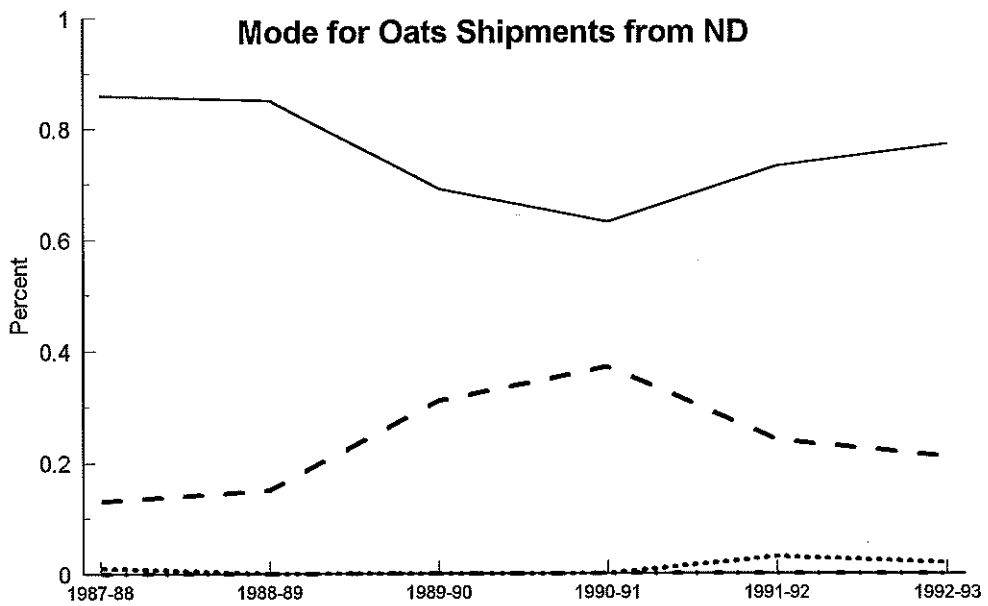
Shipments of Oats from All ND Elevators by Each Mode

- 1,000 Bushels -



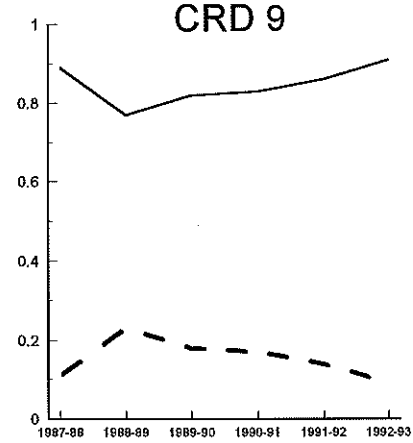
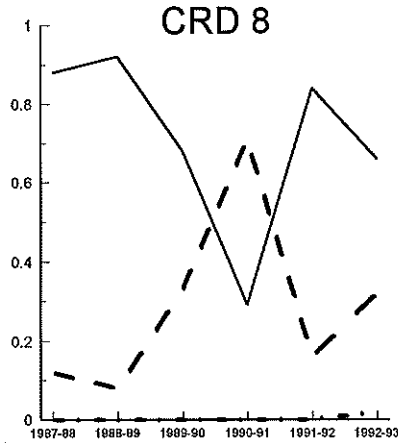
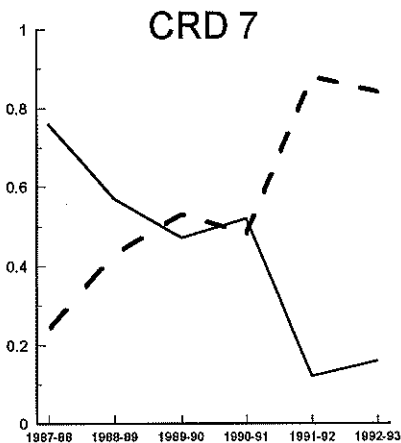
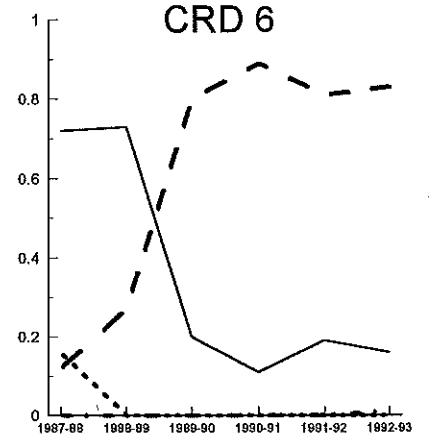
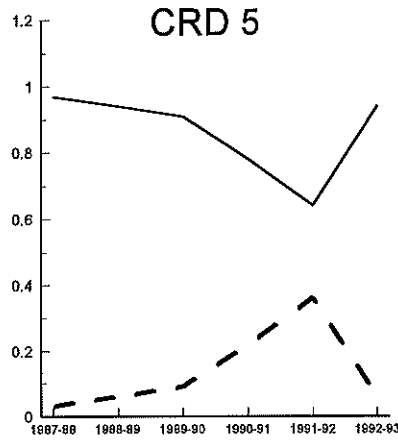
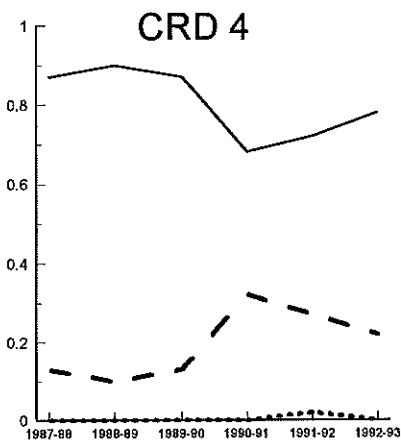
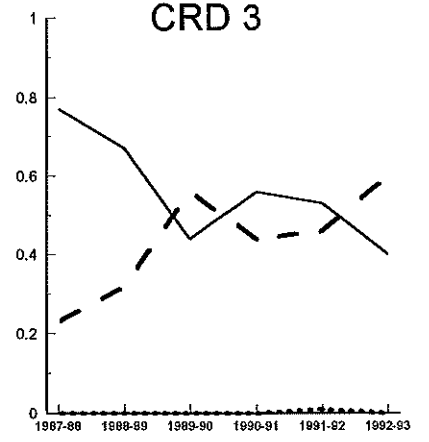
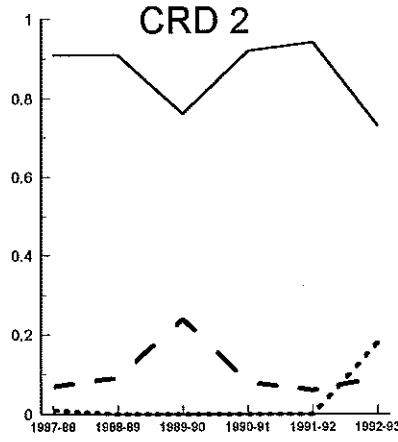
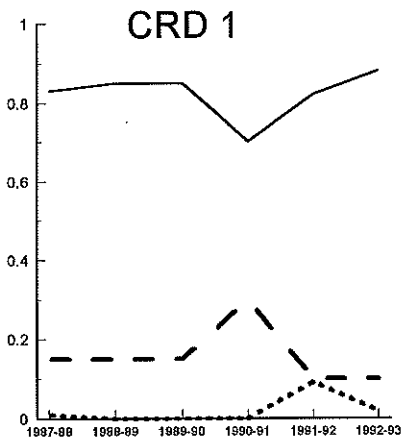
Mode for Oats Shipments from ND
(1,000 Bushels)

	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	13,407	193	15	1,961	15,576
	0.86	0.01	0.00	0.13	
1988-89	3,635	2	1	660	4,298
	0.85	0.00	0.00	0.15	
1989-90	3,481	3	0	1,531	5,015
	0.69	0.00	0.00	0.31	
1990-91	3,519	0	0	2,082	5,601
	0.63	0.00	0.00	0.37	
1991-92	5,530	237	0	1,843	7,610
	0.73	0.03	0.00	0.24	
1992-93	10,279	224	30	2,739	13,272
	0.77	0.02	0.00	0.21	



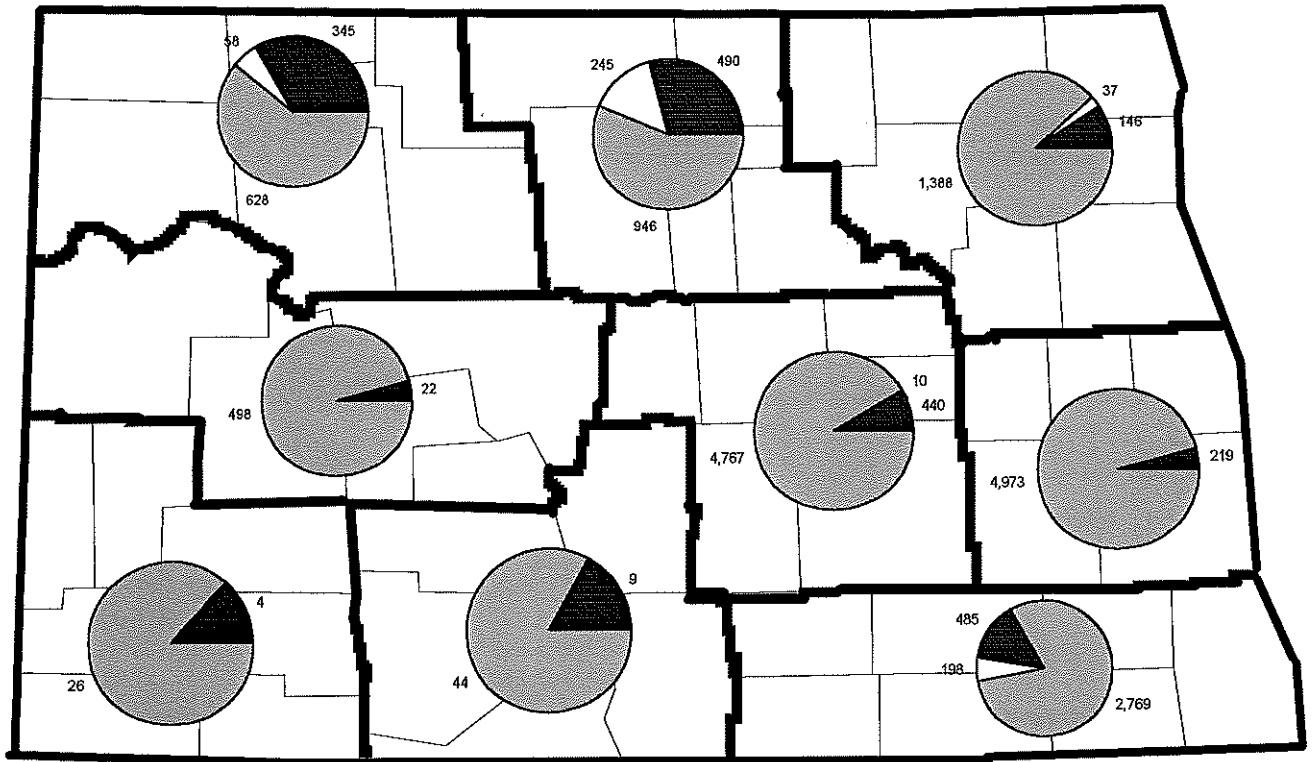
Mode for Oats Shipments from Each CRD

- Percent -



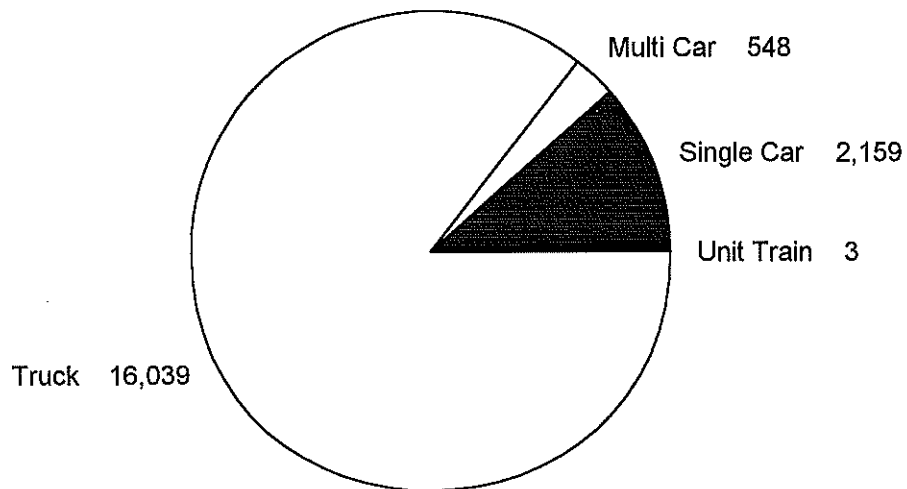
Mode for Shipments of Sunflowers from Each CRD, 1992-93

- 1,000 Bushels -



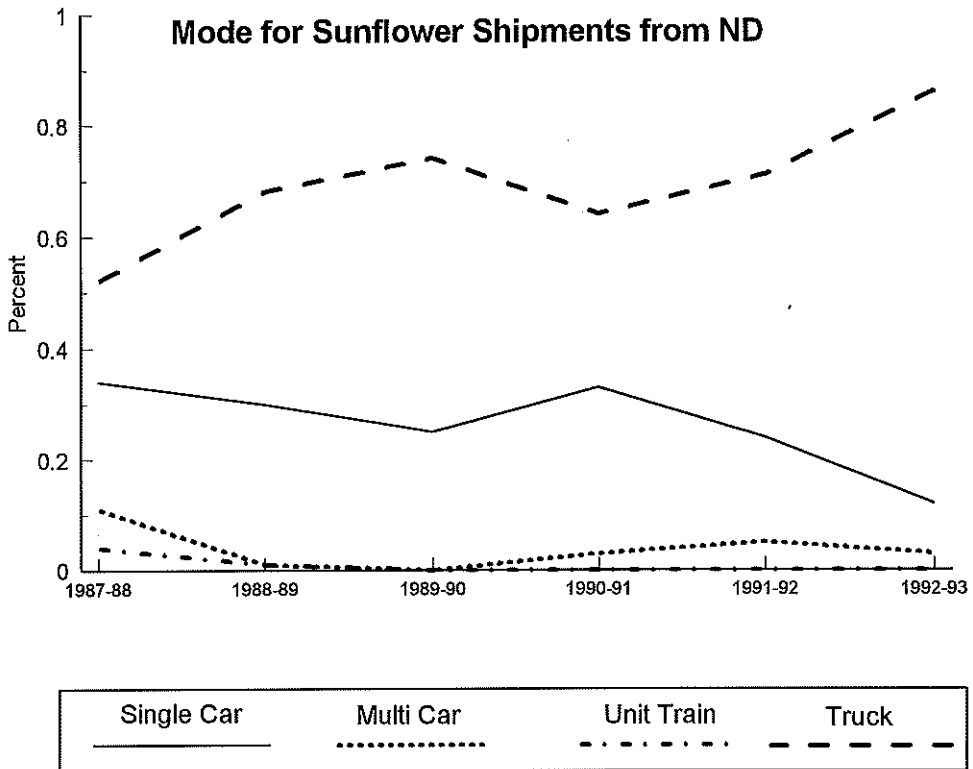
Shipments of Sunflower from All ND Elevators by Each Mode

- 1,000 Bushels -

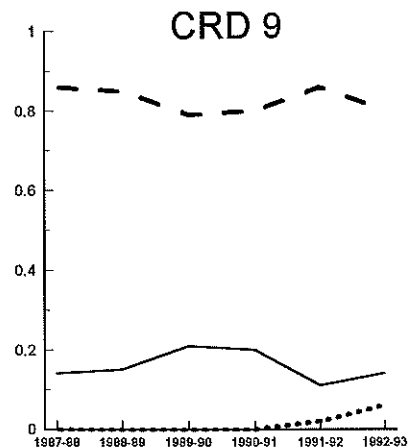
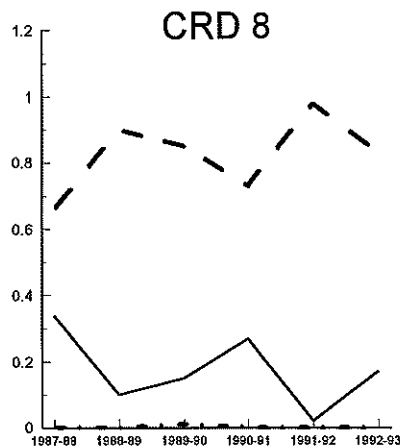
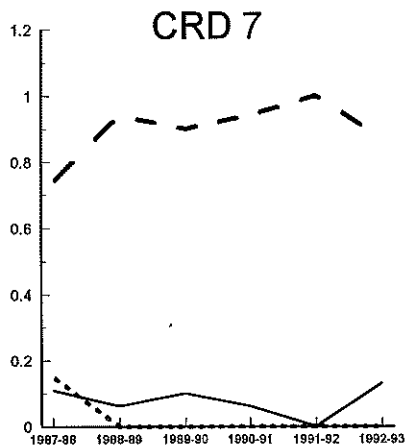
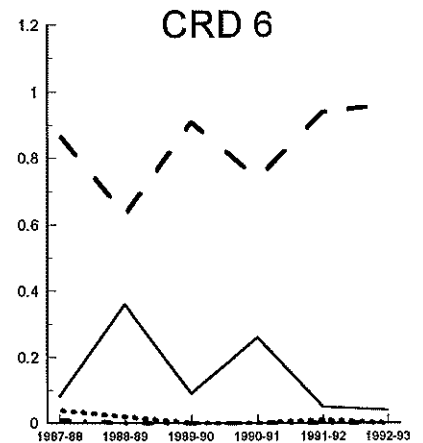
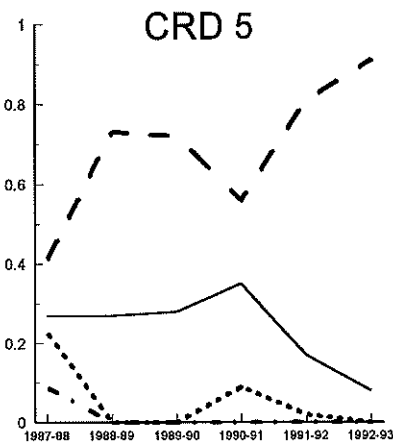
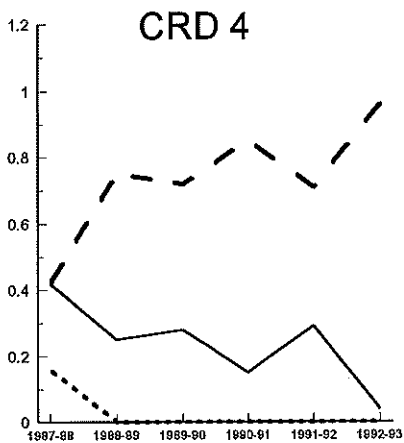
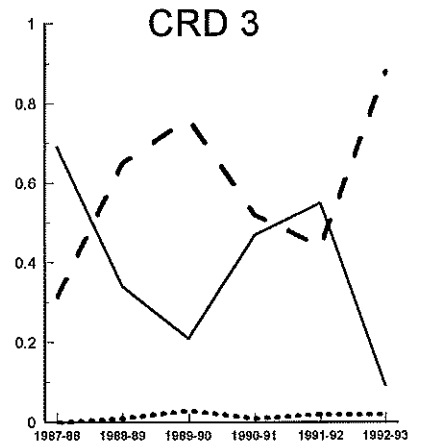
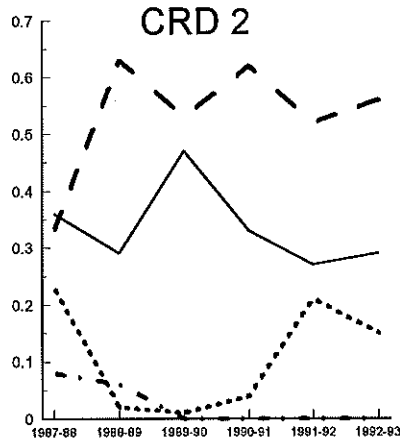
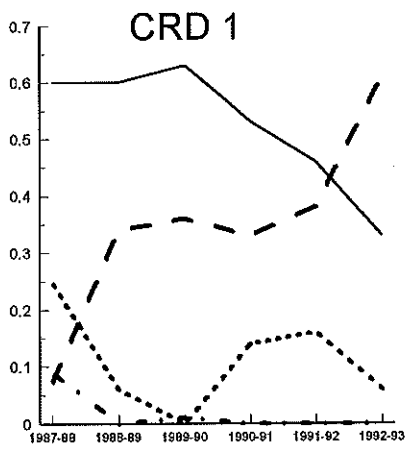
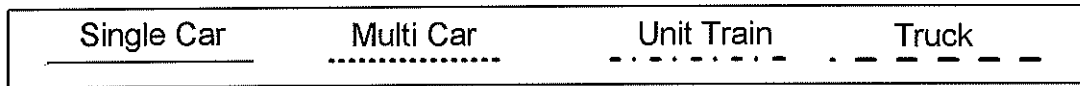


Mode for Sunflower Shipments from ND
(1,000 Bushels)

	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	6,060 0.34	1,916 0.11	624 0.04	9,157 0.52	17,757
1988-89	3,313 0.30	142 0.01	58 0.01	7,423 0.68	10,936
1989-90	2,295 0.25	43 0.00	5 0.00	6,665 0.74	9,008
1990-91	3,437 0.33	320 0.03	1 0.00	6,626 0.64	10,384
1991-92	3,910 0.24	727 0.05	0 0.00	11,429 0.71	16,066
1992-93	2,159 0.12	548 0.03	3 0.00	16,039 0.86	18,749

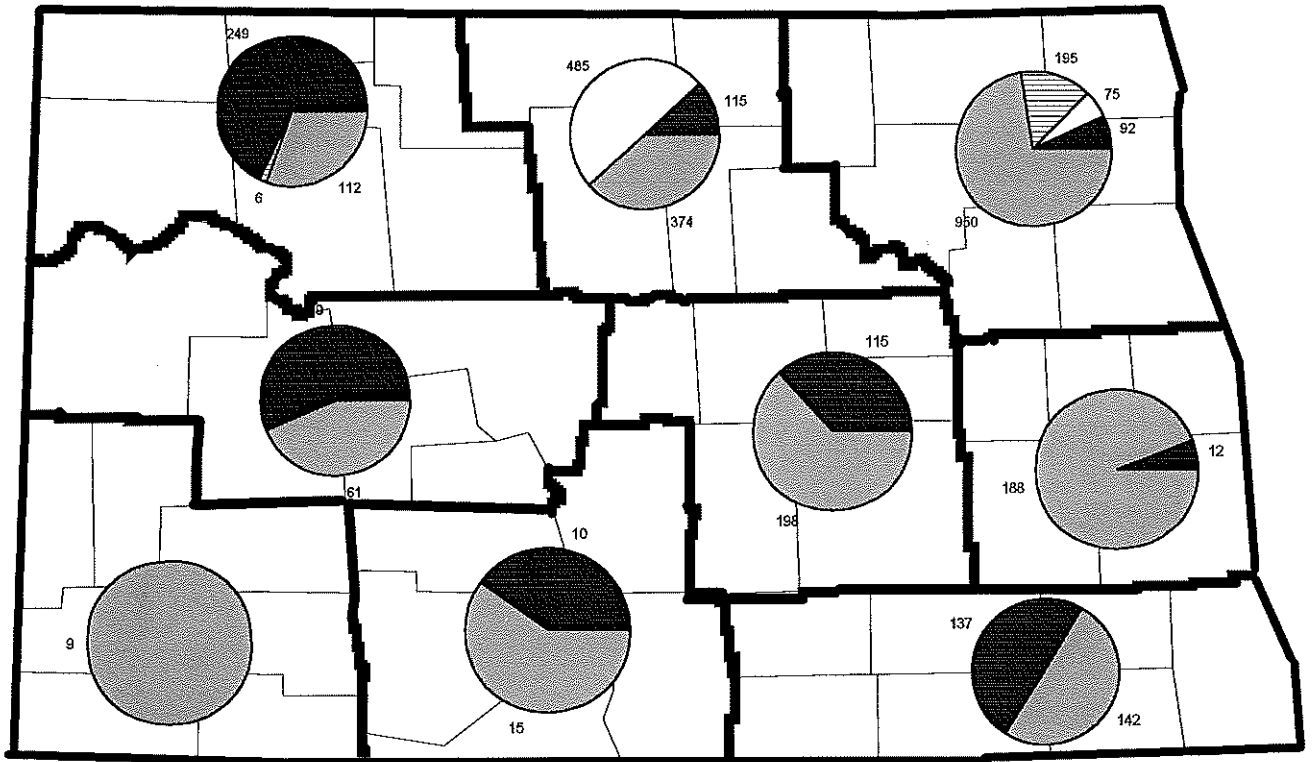


Mode for Sunflower Shipments from Each CRD - Percent -



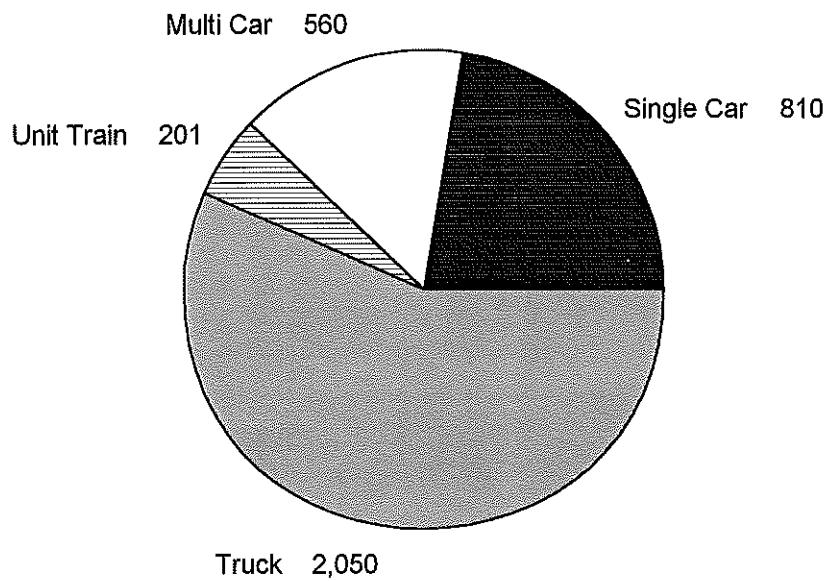
Mode for Shipments of Flaxseed from Each CRD, 1992-93

- 1,000 Bushels -



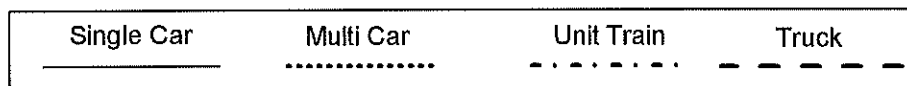
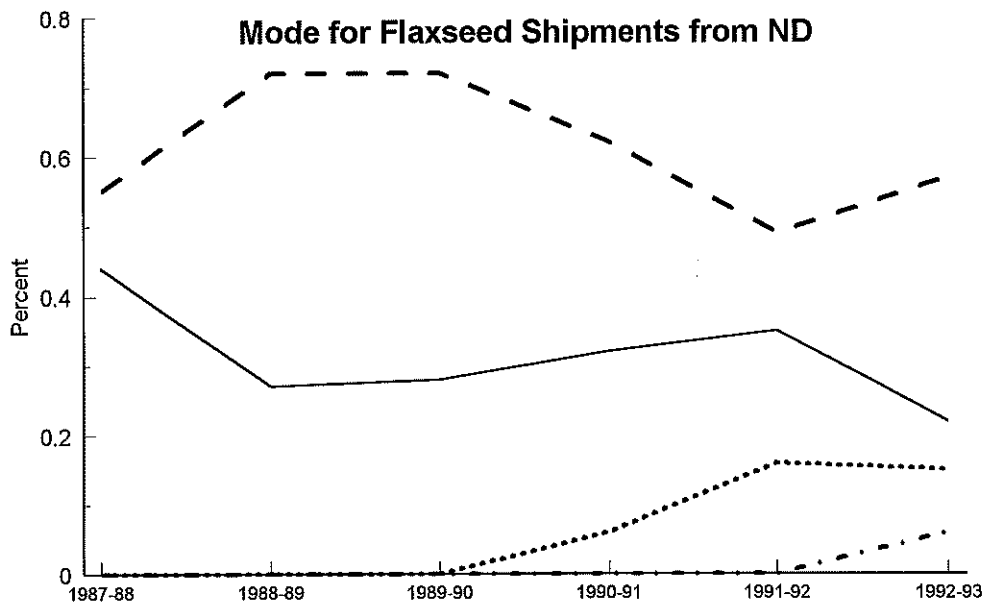
Shipments of Flaxseed from All ND Elevators by Each Mode

- 1,000 Bushels -

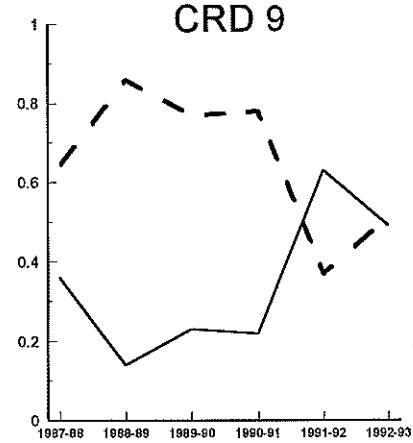
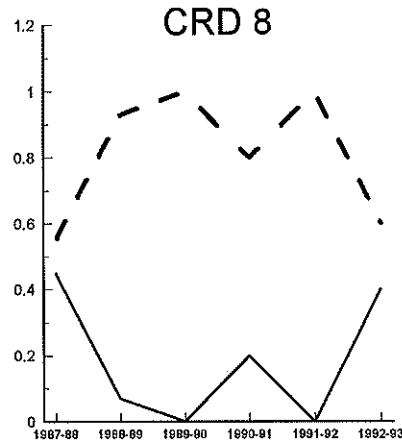
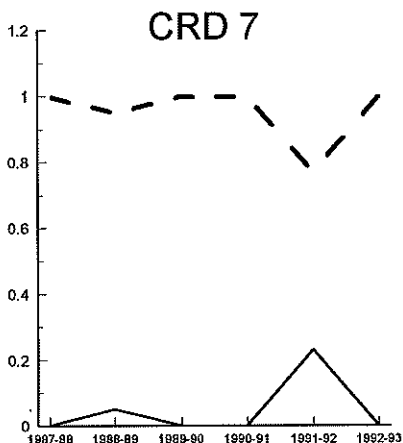
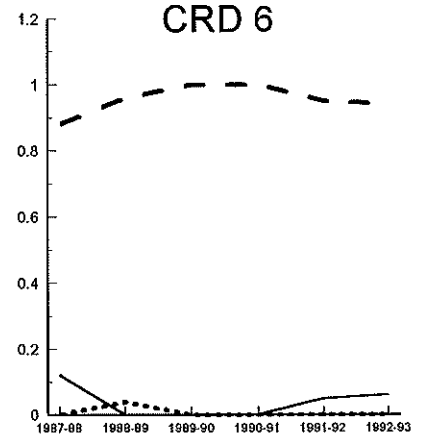
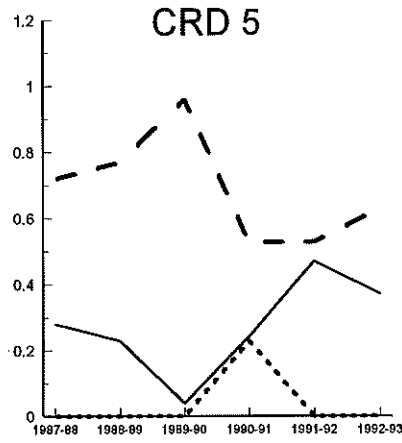
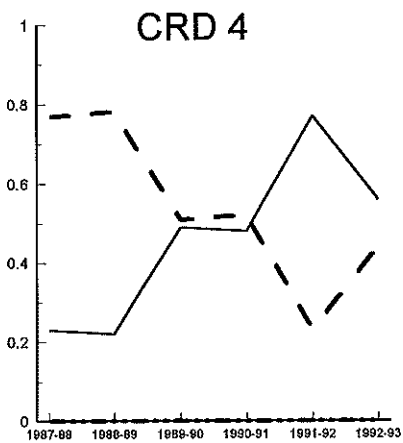
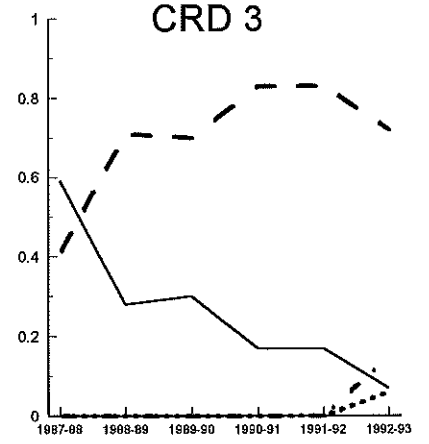
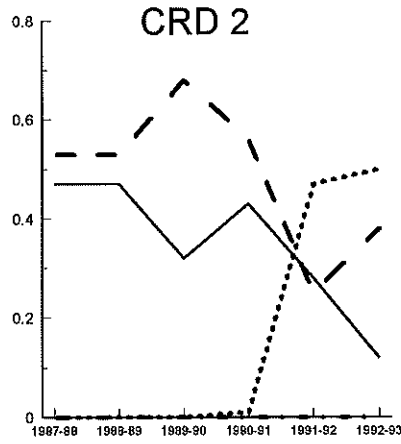
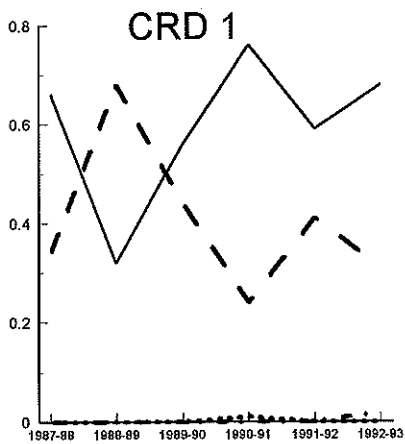


Mode for Flaxseed Shipments from ND
(1,000 Bushels)

	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	2,715 0.44	6 0.00	2 0.00	3,386 0.55	6,109
1988-89	550 0.27	5 0.00	2 0.00	1,455 0.72	2,012
1989-90	303 0.28	0 0.00	0 0.00	773 0.72	1,076
1990-91	732 0.32	127 0.06	0 0.00	1,400 0.62	2,259
1991-92	1,417 0.35	663 0.16	0 0.00	2,001 0.49	4,081
1992-93	810 0.22	560 0.15	201 0.06	2,050 0.57	3,621

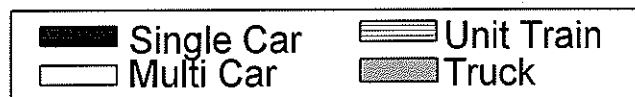
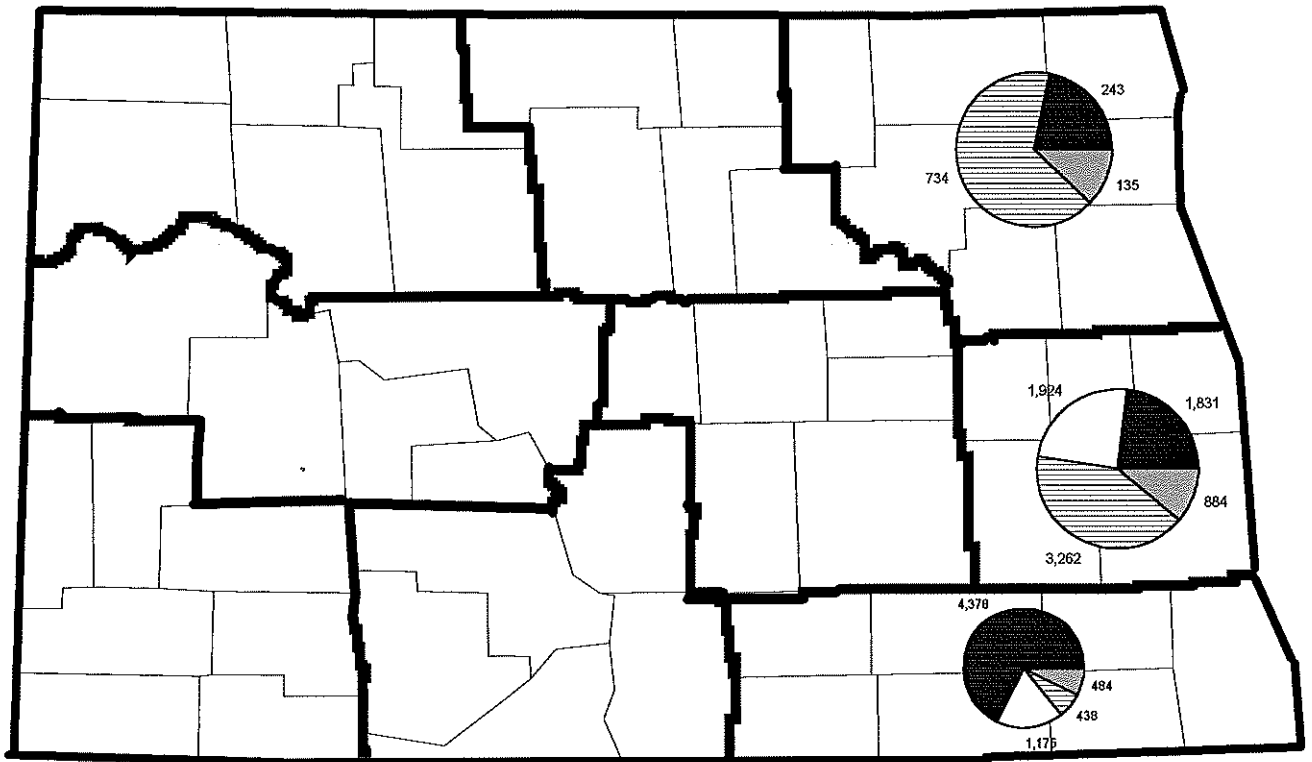


Mode for Flaxseed Shipments from Each CRD - Percent -



Mode for Shipments of Soybeans from Each CRD, 1992-93

- 1,000 Bushels -



Shipments of Soybeans All ND Elevators by Each Mode

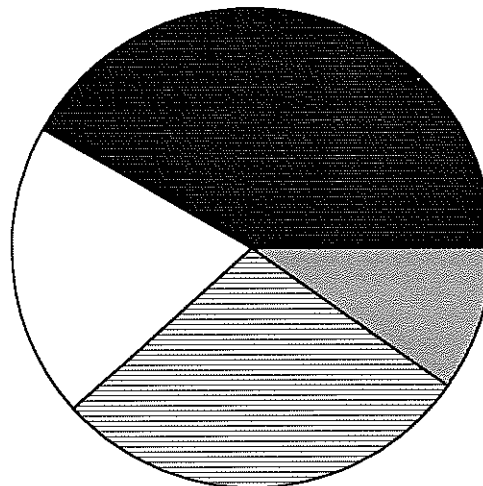
- 1,000 Bushels -

Single Car 6,472

Multi Car 3,099

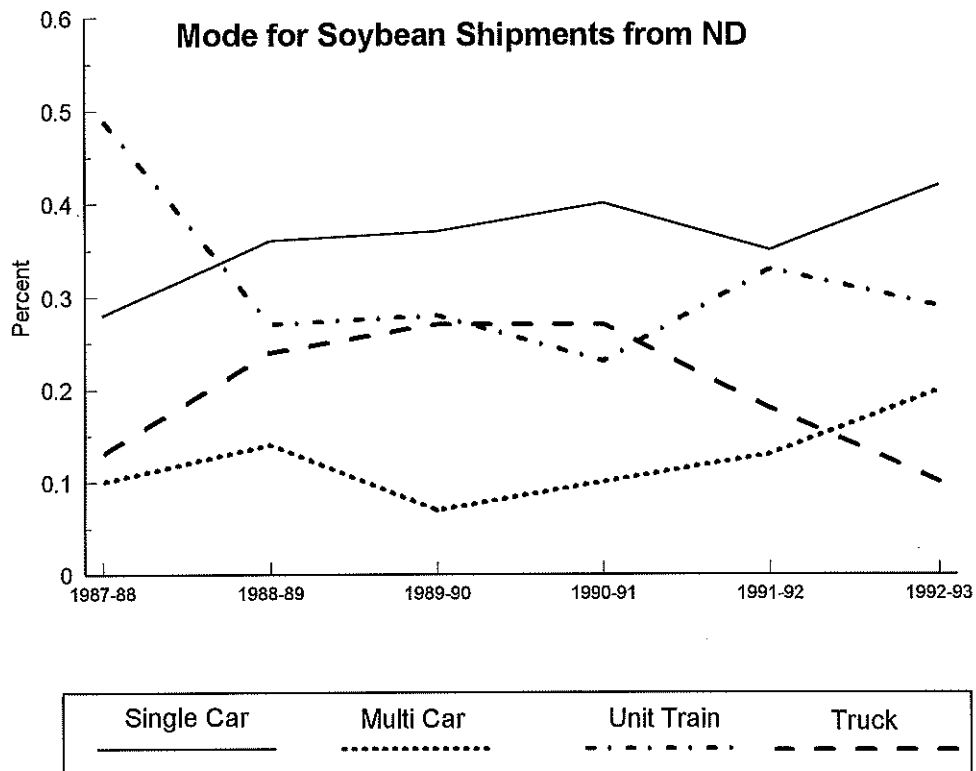
Truck 1,523

Unit Train 4,434



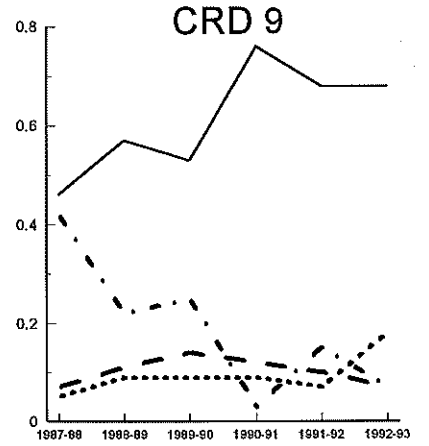
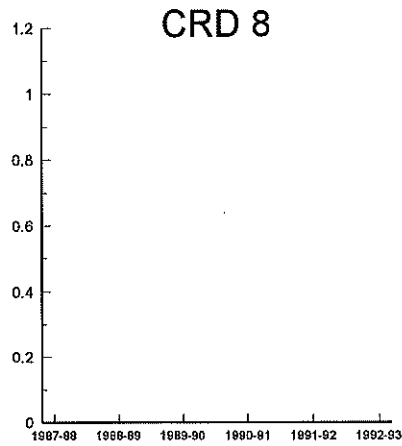
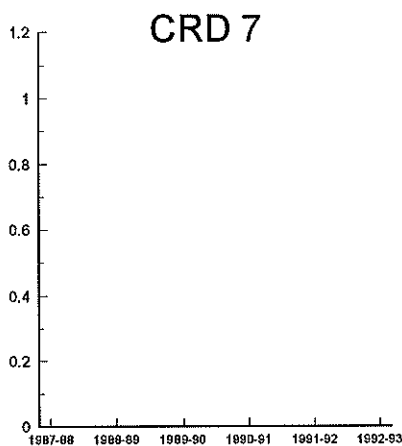
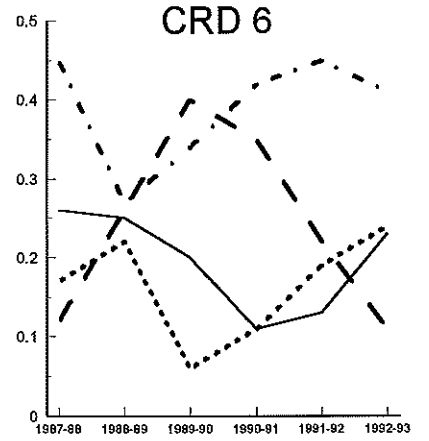
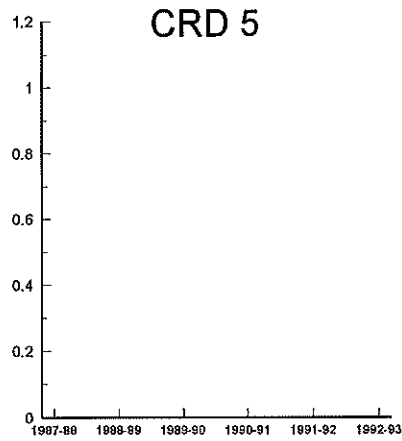
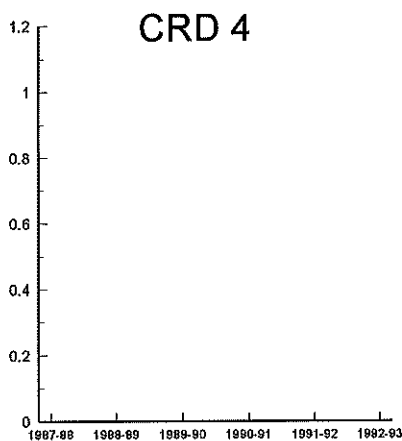
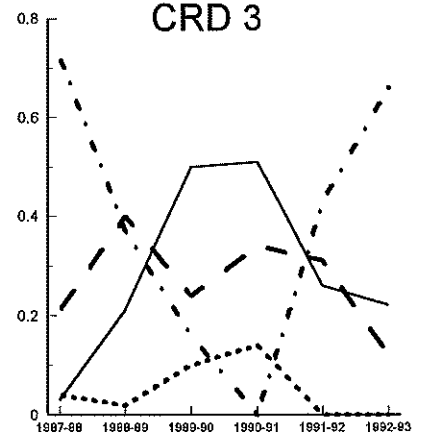
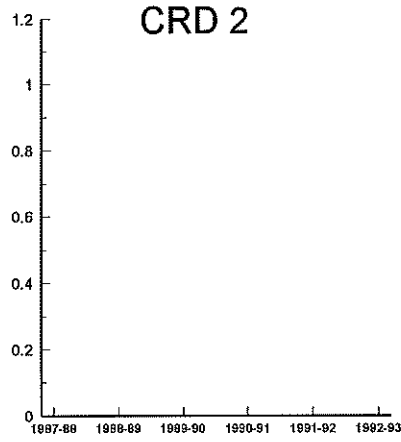
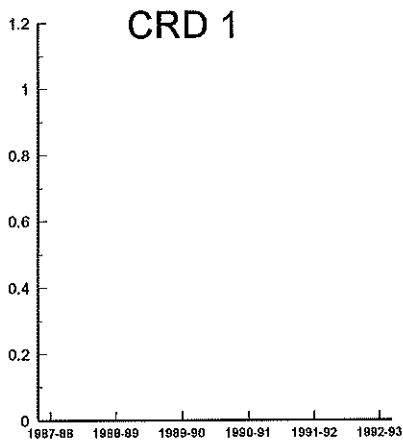
Mode for Soybean Shipments from ND
(1,000 Bushels)

	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	5,159	1,826	9,111	2,319	18,415
	0.28	0.10	0.49	0.13	
1988-89	4,346	1,664	3,286	2,866	12,162
	0.36	0.14	0.27	0.24	
1989-90	5,255	1,027	3,926	3,807	14,015
	0.37	0.07	0.28	0.27	
1990-91	4,024	1,068	2,393	2,700	10,185
	0.40	0.10	0.23	0.27	
1991-92	5,837	2,095	5,504	3,029	16,465
	0.35	0.13	0.33	0.18	
1992-93	6,472	3,099	4,434	1,523	15,528
	0.42	0.20	0.29	0.10	



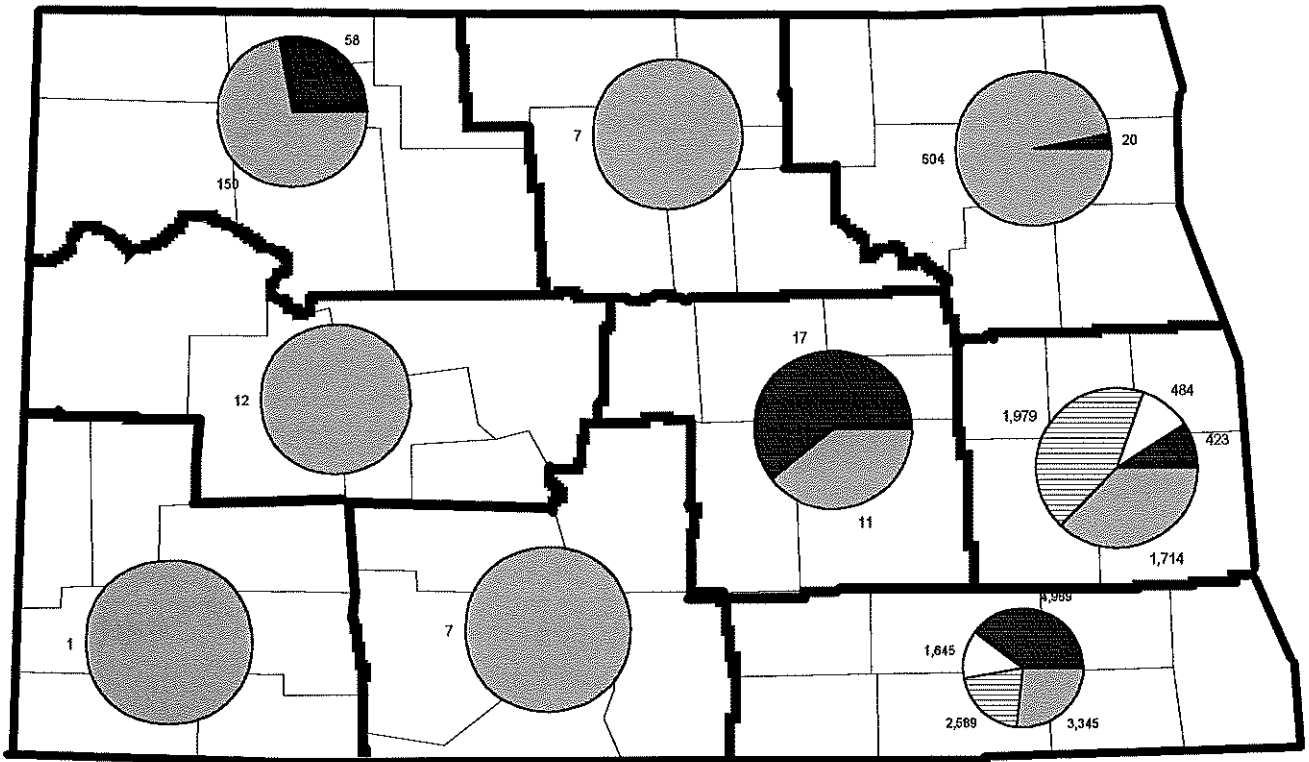
Mode for Soybean Shipments from Each CRD

- Percent -



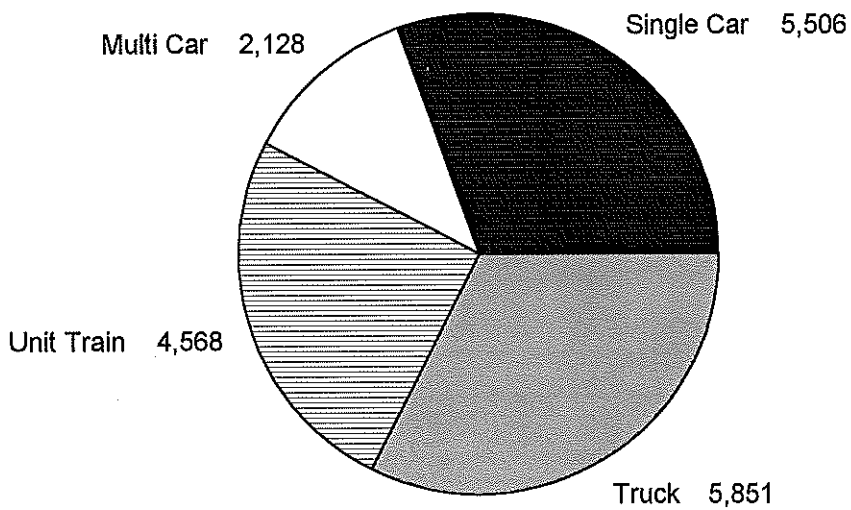
Mode for Shipments of Corn from Each CRD, 1992-93

- 1,000 Bushels -

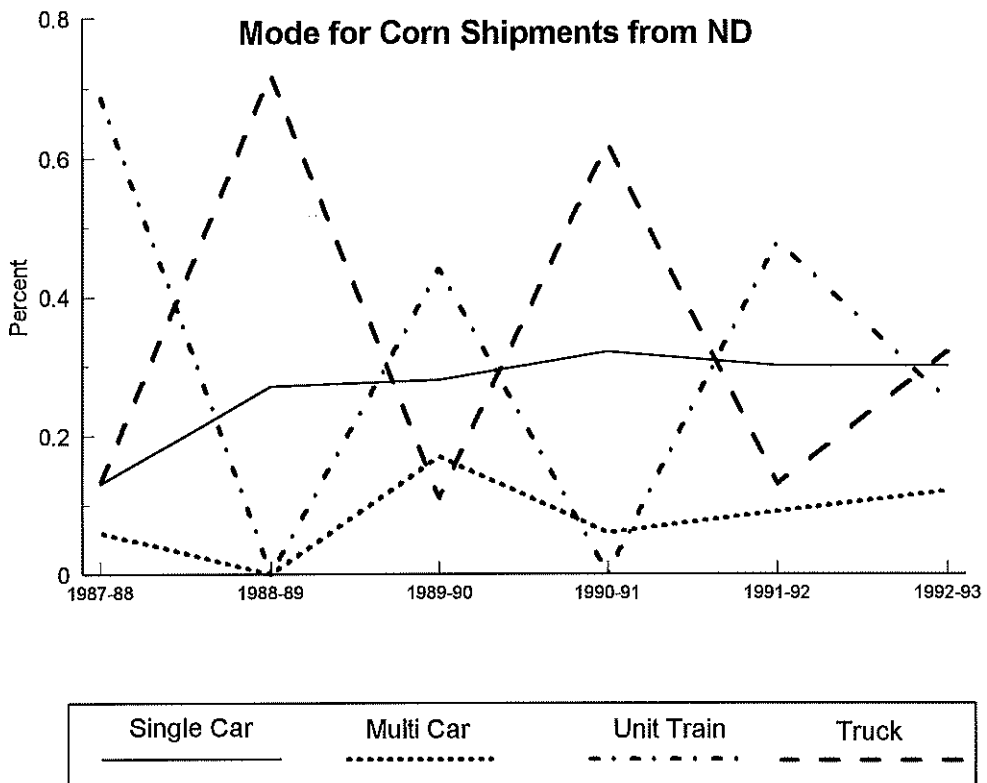


Shipments of Corn All ND Elevators by Each Mode

- 1,000 Bushels -



Mode for Corn Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1987-88	3,968 0.13	1,733 0.06	20,870 0.69	3,854 0.13	30,425
1988-89	550 0.27	5 0.00	2 0.00	1,455 0.72	2,012
1989-90	9,671 0.28	5,764 0.17	15,431 0.44	3,897 0.11	34,763
1990-91	732 0.32	127 0.06	0 0.00	1,400 0.62	2,259
1991-92	10,976 0.30	3,137 0.09	17,388 0.48	4,583 0.13	36,084
1992-93	5,506 0.30	2,128 0.12	4,568 0.25	5,851 0.32	18,053



Mode for Corn Shipments from Each CRD - Percent -

