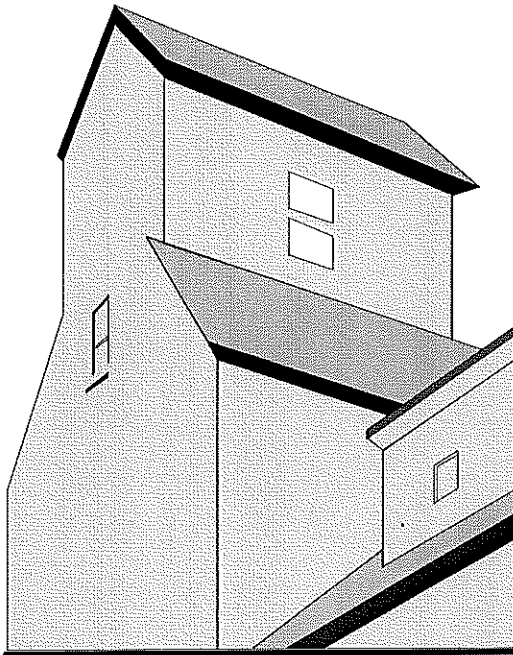


**Annual North Dakota
Elevator Marketing Report
1993-94**

Scott Andreson, Dave Young
and
Kimberly Vachal

UGPTI Publication No. 102
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ANNUAL NORTH DAKOTA ELEVATOR MARKETING REPORT, 1993-94

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North Dakota State University
Fargo, North Dakota

in cooperation with
North Dakota Wheat Commission

North Dakota Public Service Commisison

North Dakota Grain Dealers Association, and



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

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Overview

The *Annual North Dakota Elevator Marketing Report for 1993-94* was prepared by Scott Andreson, Dave Young 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. **1993-94 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 1993 to June 1994.
- **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.

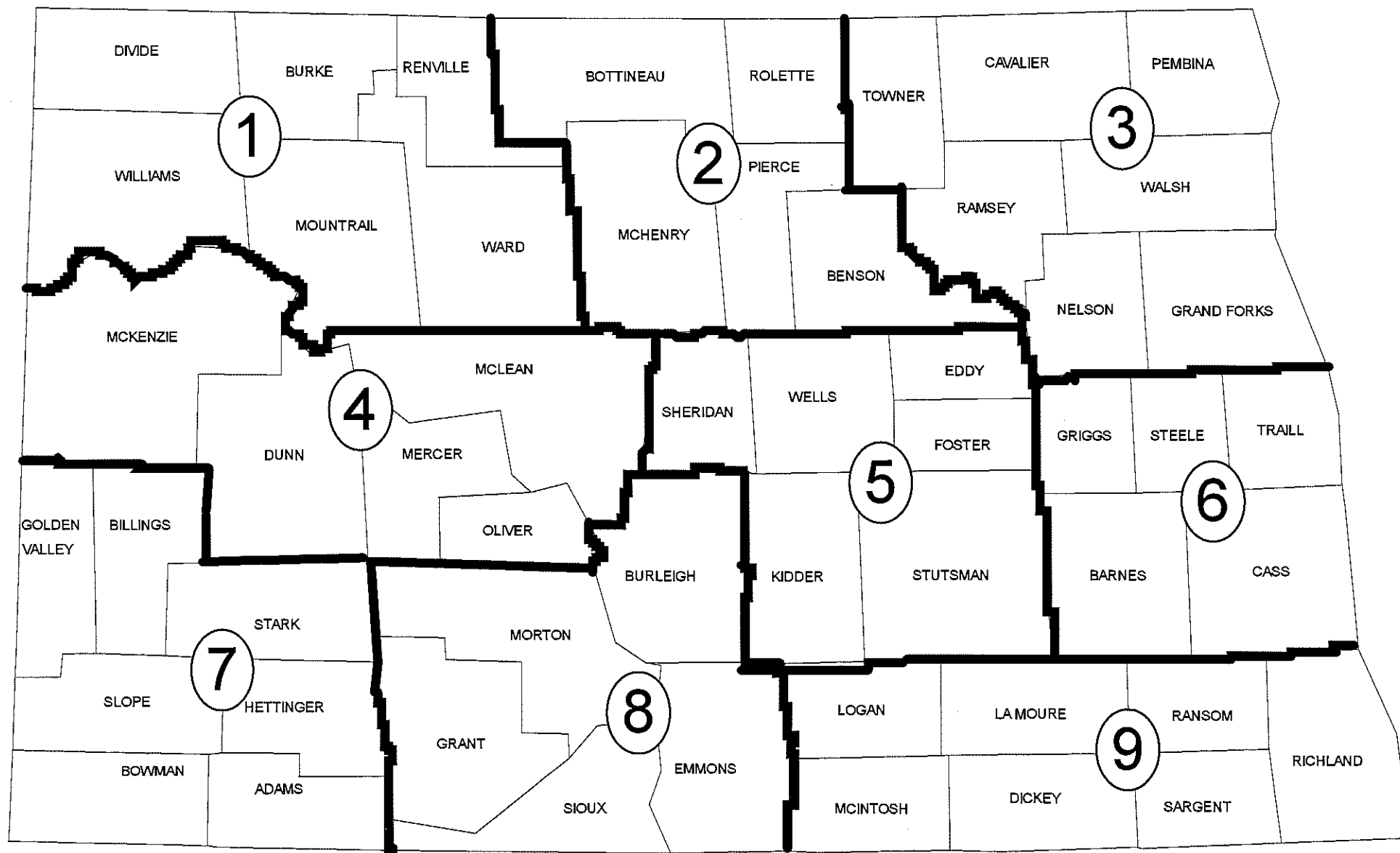
Mode for Grain & Oilseed Shipments by Rail:

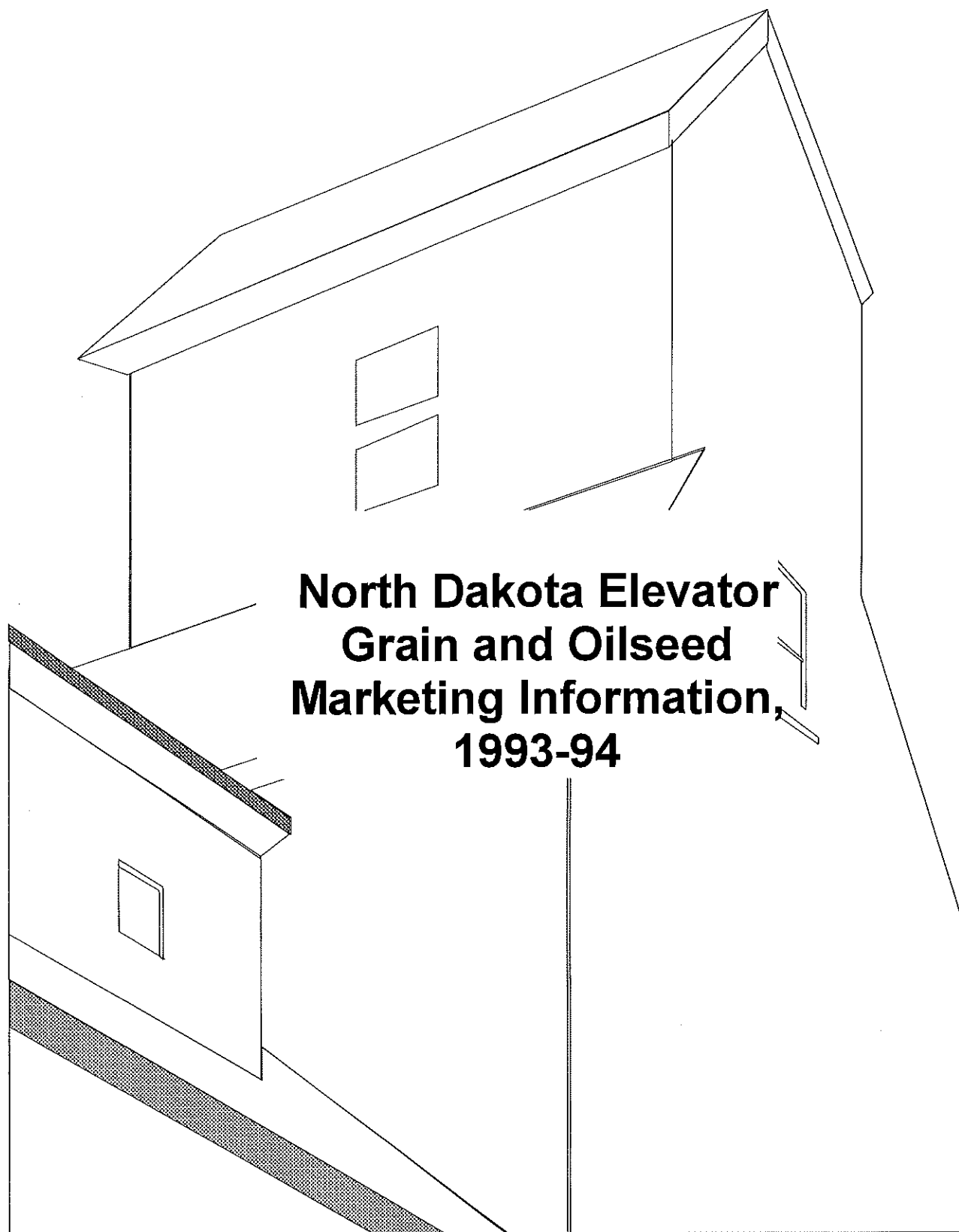
Single Car Shipments:	Car orders purchased under rates for 1 to 24 cars
25 to 49 Car Shipments:	Car orders purchased under rates for 25 to 49 cars
50 Car Shipments:	Car orders purchased under rates for 50 or more cars

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

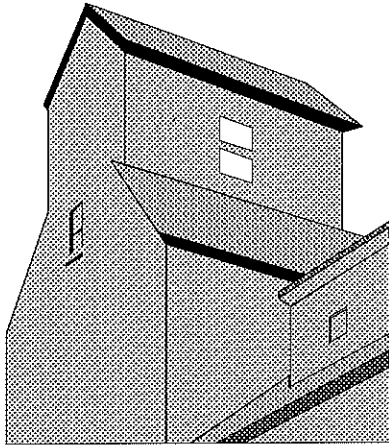
Destinations for Grain and Oilseed Shipments:

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 Elevator
Grain and Oilseed
Marketing Information,
1993-94**



North Dakota Elevators, 1993-94

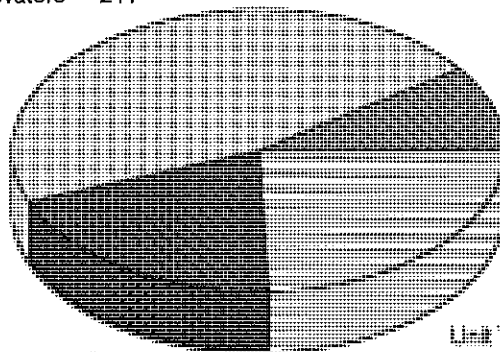
Storage: 250,479 Thousand Bu.

Grain Handled: 515,357 Thousand Bu.

Median Turnover: 2.27

Elevator Categories

Single Car Elevators 211



No Rail Elevators 45

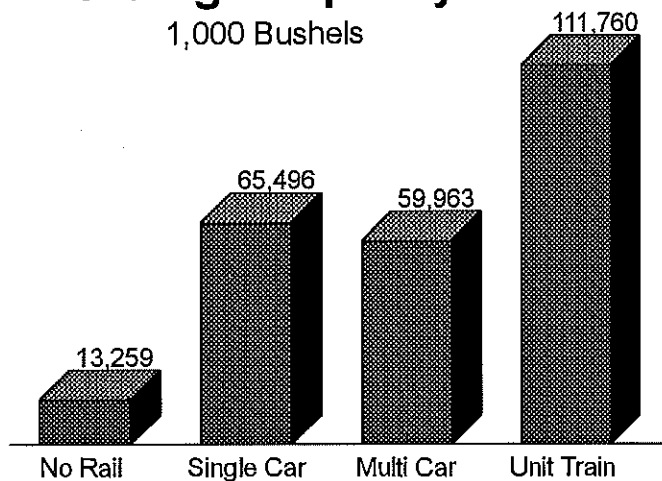
Multi Car Elevators 91

Unit Train Elevators 112

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

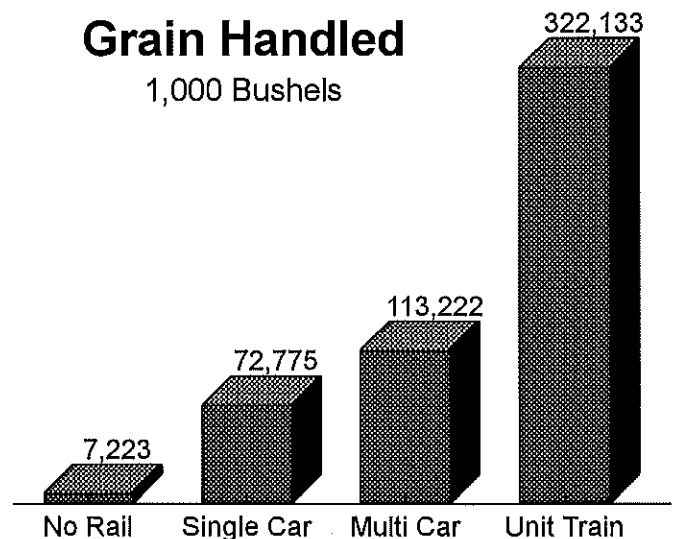
Storage Capacity

1,000 Bushels

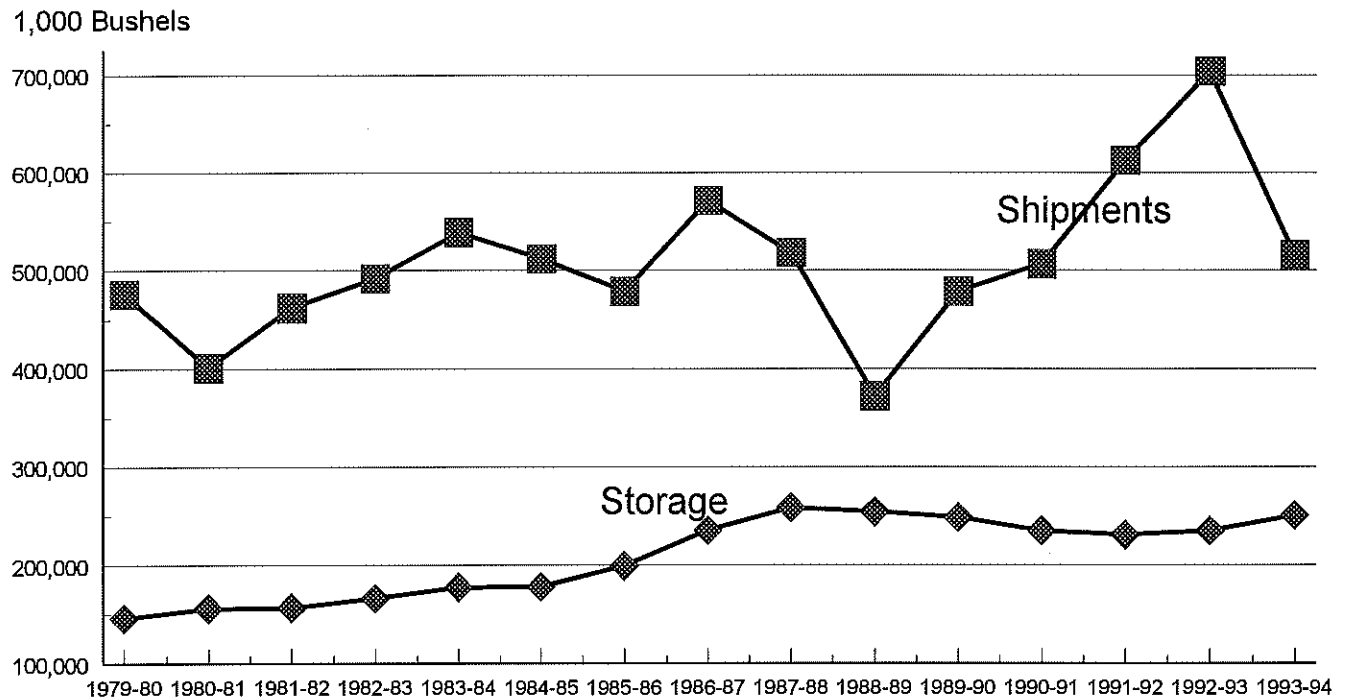


Grain Handled

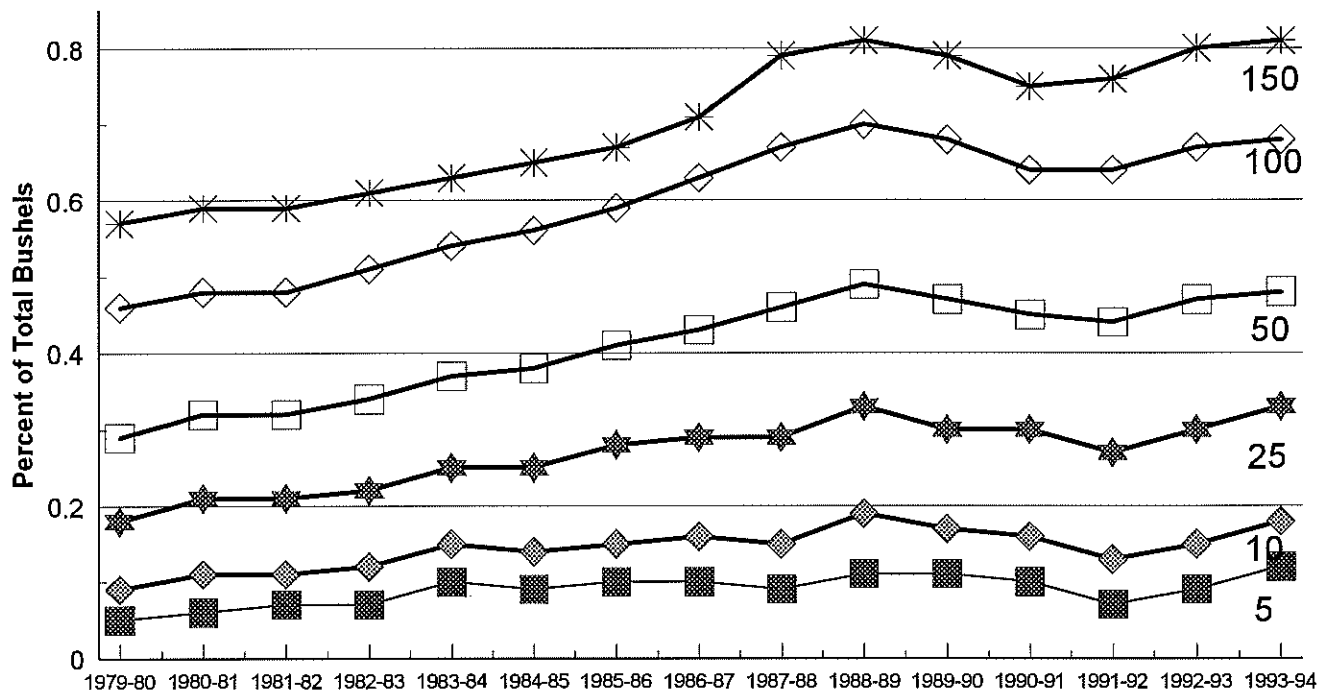
1,000 Bushels



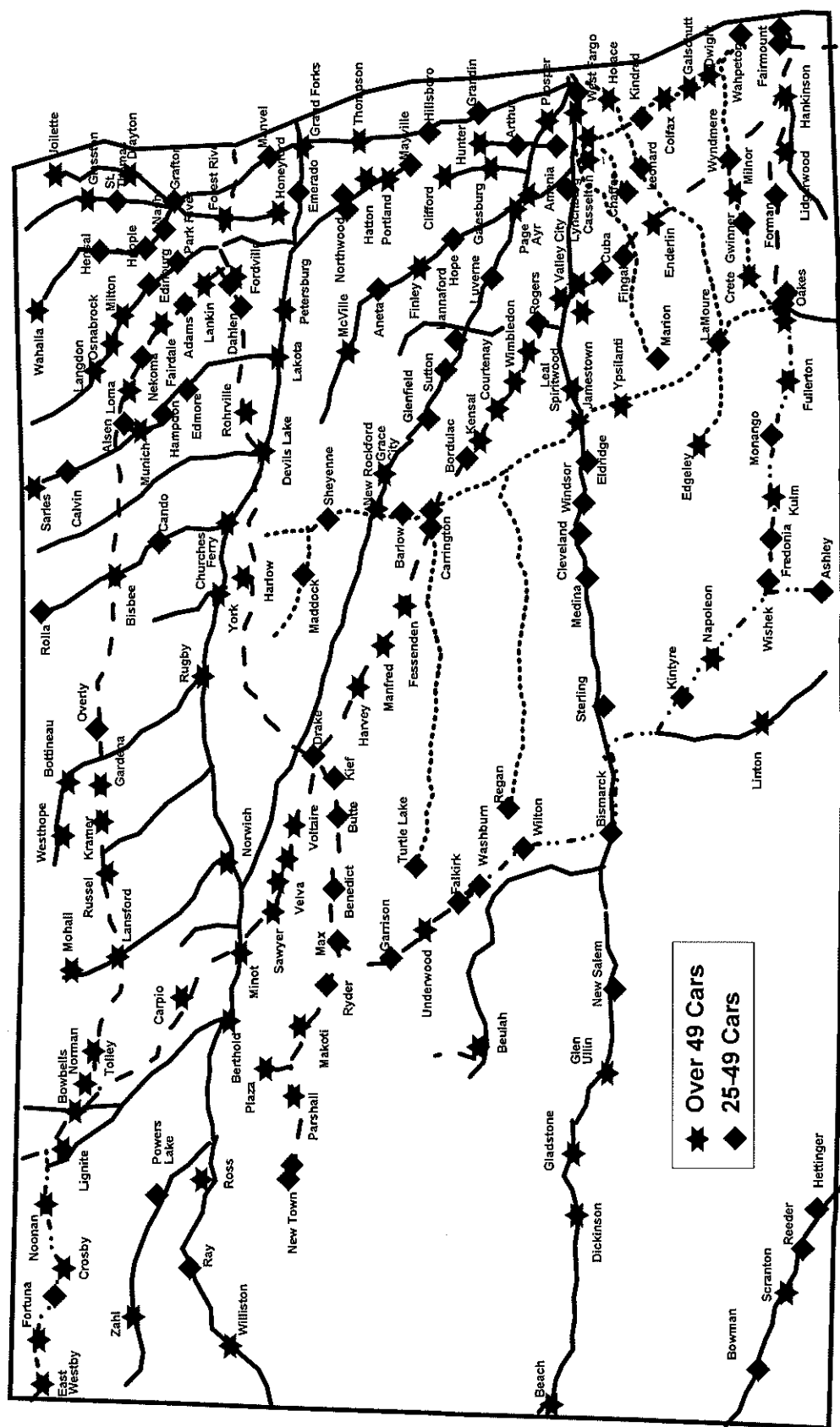
Storage and Total Grain Shipments for North Dakota Elevators



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



NORTH DAKOTA MULTI & UNIT CAR LOADING STATIONS, 1994



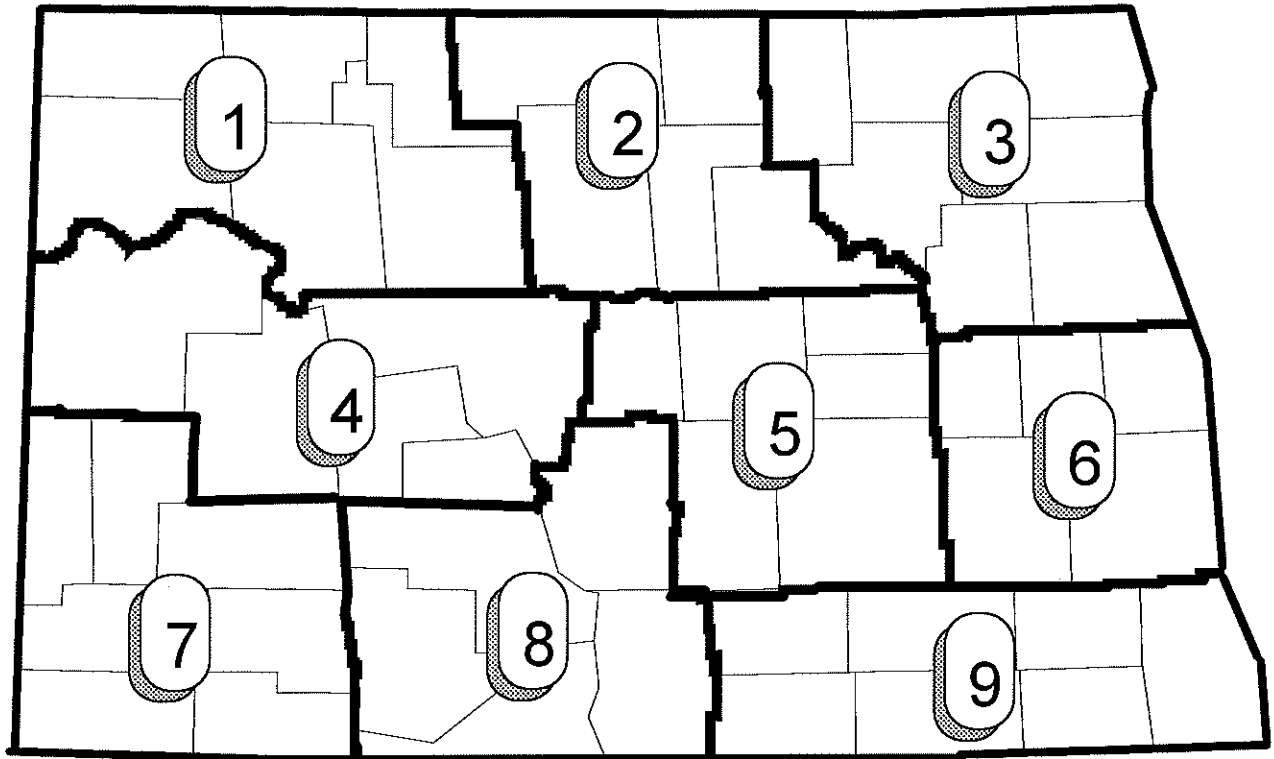
Burlington Northern

Red River Valley & Western

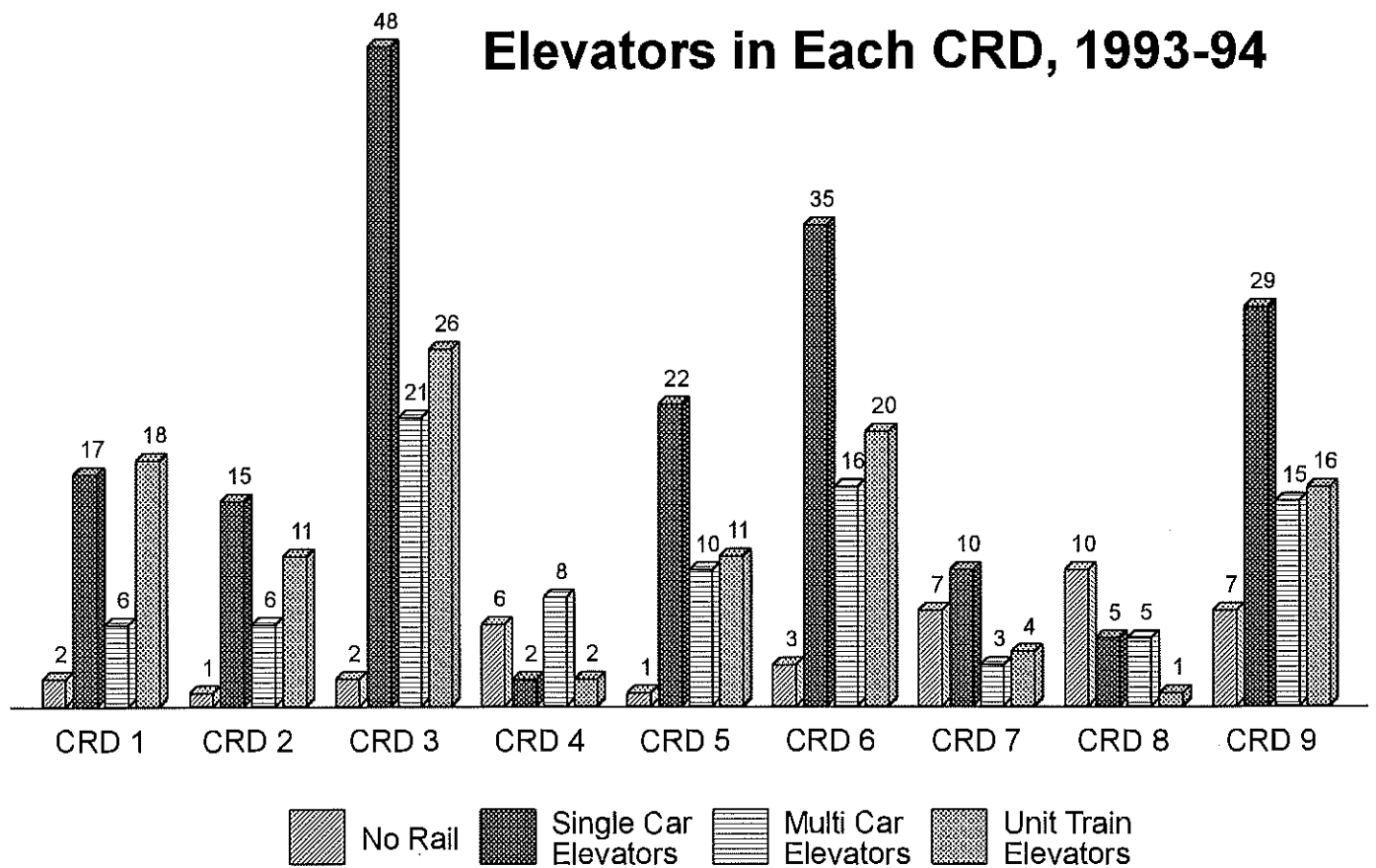
CP Rail

Dakota, Missouri Valley & Western

NORTH DAKOTA CROP REPORTING DISTRICTS

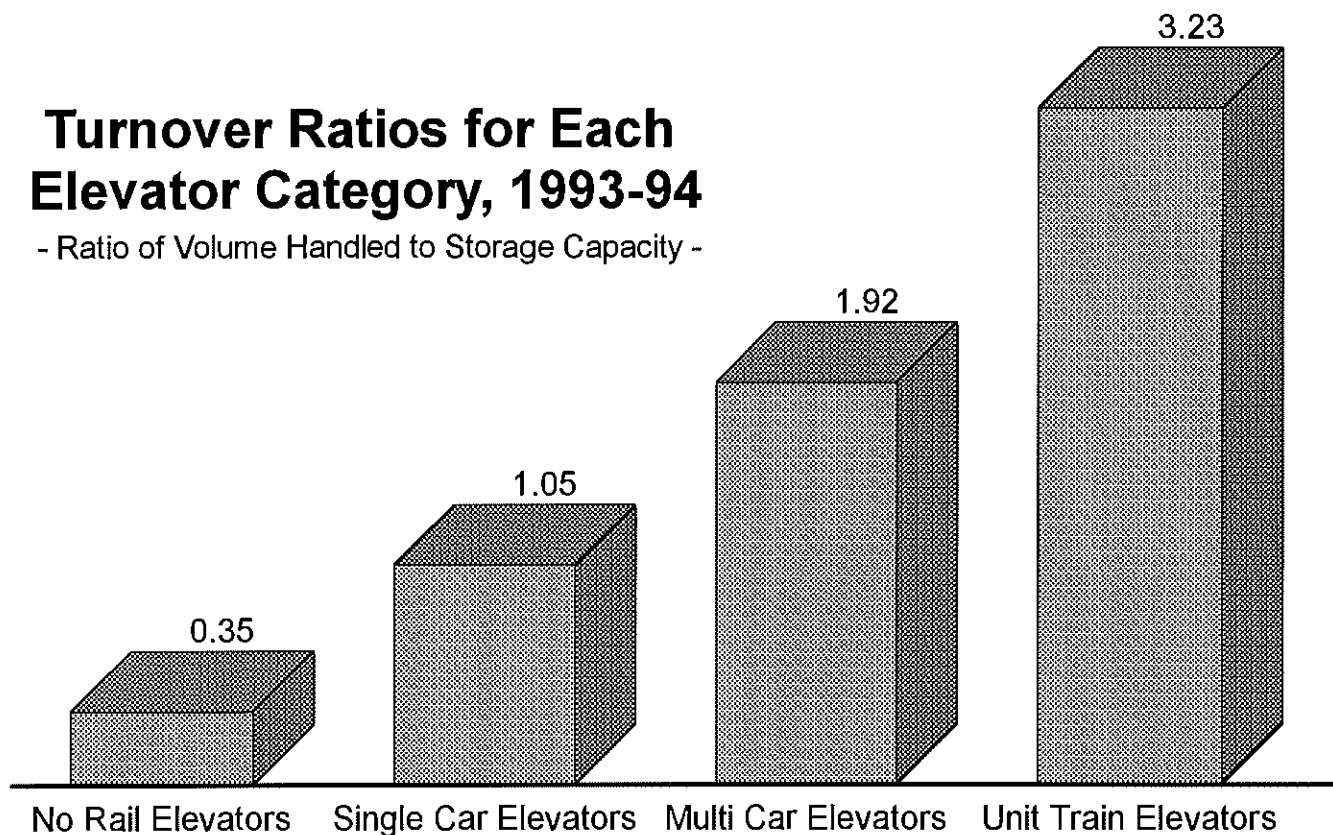


Elevators in Each CRD, 1993-94



Turnover Ratios for Each Elevator Category, 1993-94

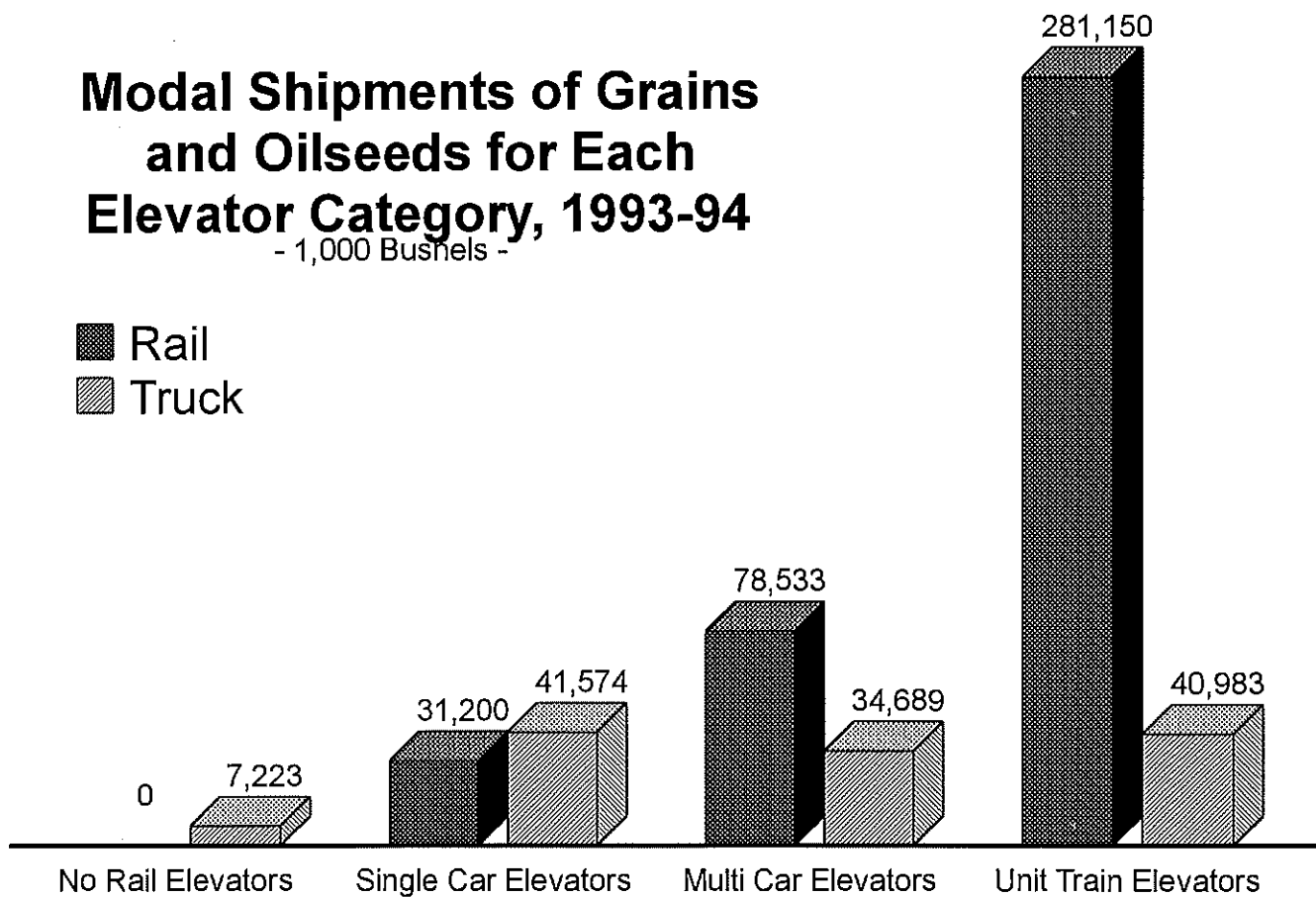
- Ratio of Volume Handled to Storage Capacity -



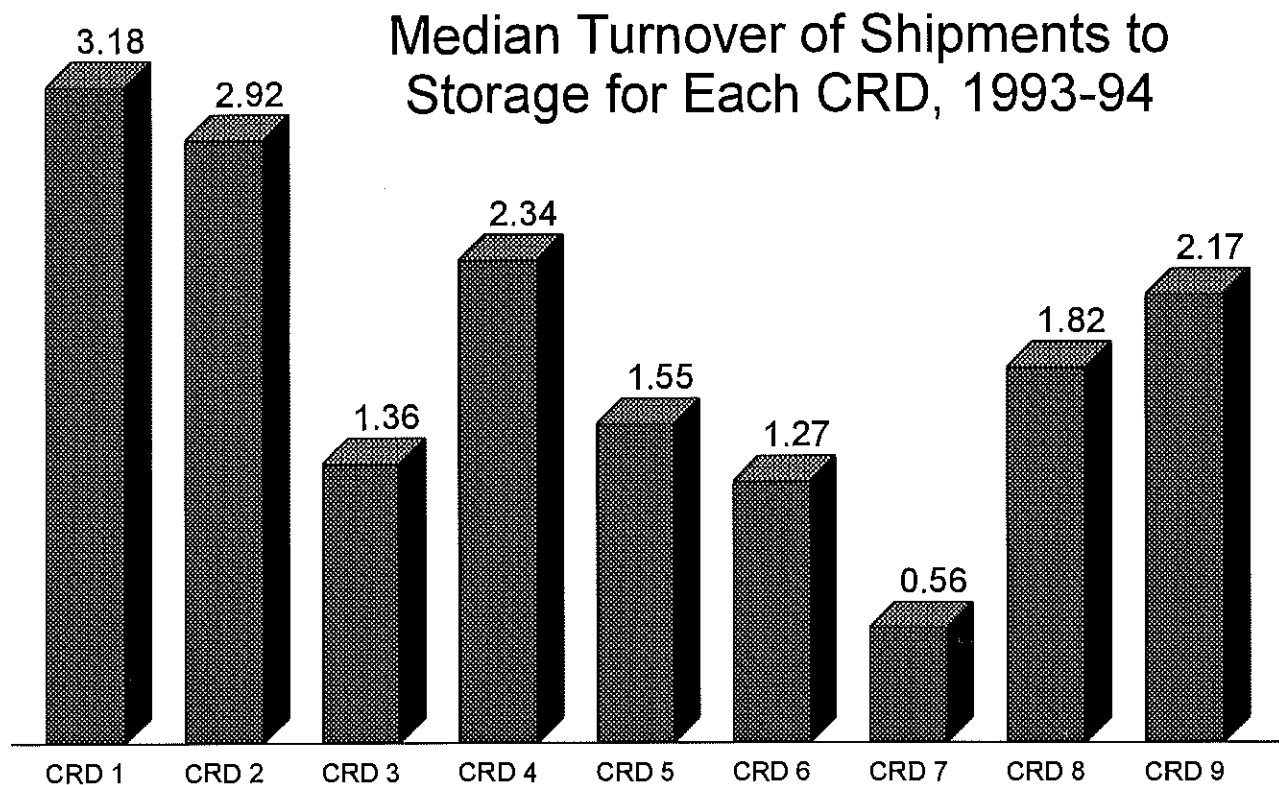
Modal Shipments of Grains and Oilseeds for Each Elevator Category, 1993-94

- 1,000 Bushels -

■ Rail
▨ Truck

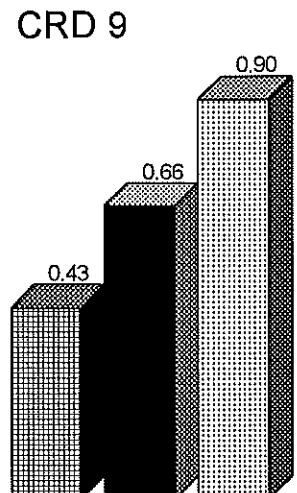
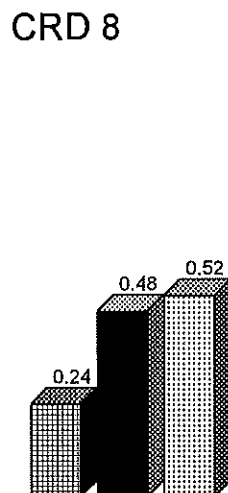
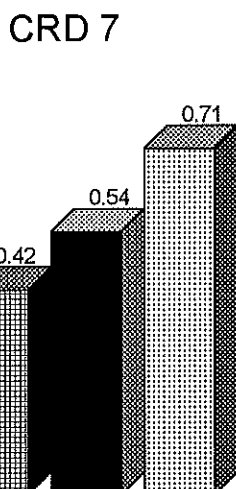
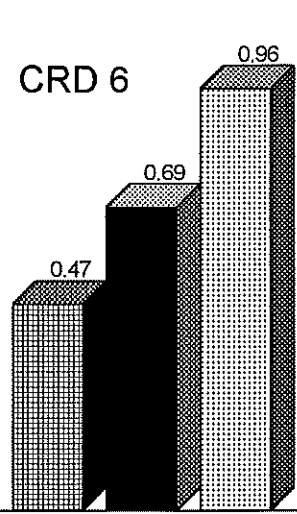
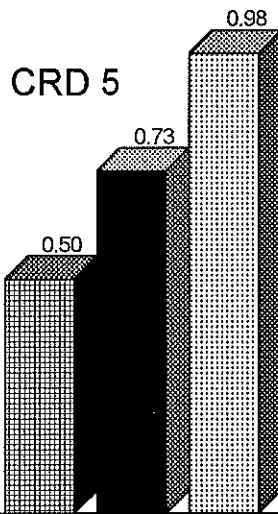
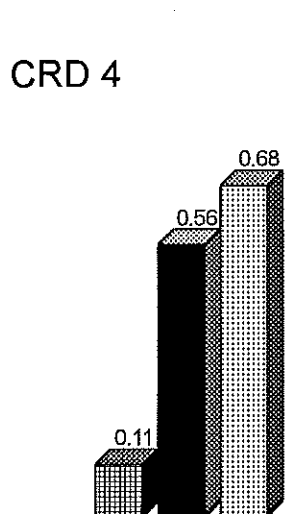
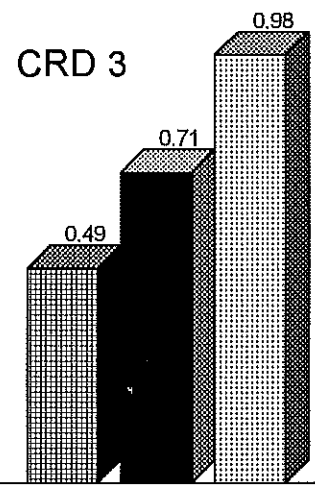
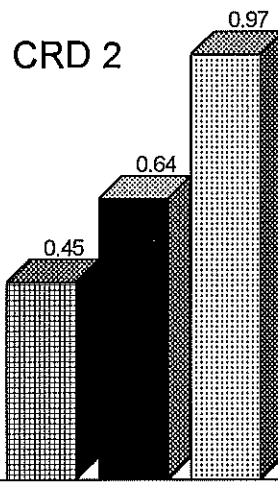
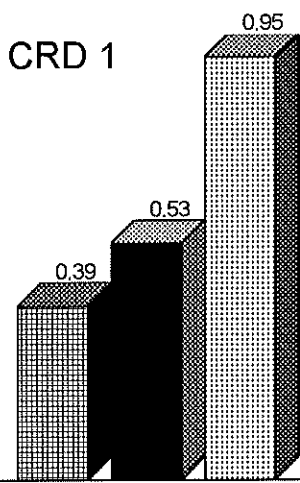


ND Elevator Shipments, Storage, and Turnover Ratios for Each CRD, 1993-94				
CRD	# Elev	Storage Capacity	Total Shipments	Median Turnover
1	43	23,683,500	102,070,592	3.18
2	36	19,324,000	53,508,587	2.92
3	98	49,493,104	95,577,067	1.36
4	20	7,902,000	19,842,959	2.34
5	43	33,125,700	51,371,225	1.55
6	74	61,484,633	83,228,563	1.27
7	25	11,467,500	34,431,303	0.56
8	22	6,400,404	13,664,841	1.82
9	64	37,598,370	61,662,306	2.17
All	425	250,480,211	515,357,443	2.27

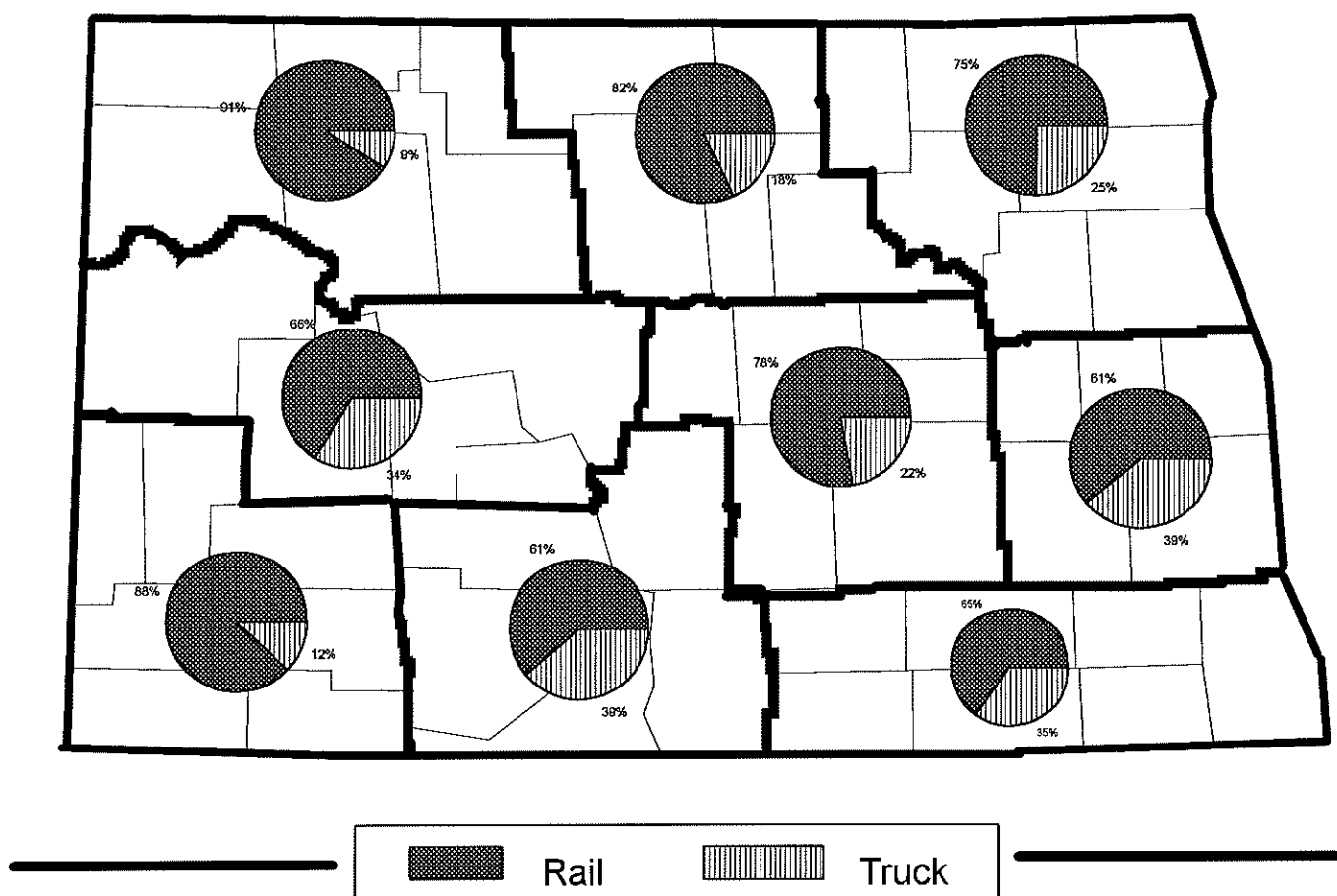


Percent of Shipments by Rail for Elevators in Each CRD, 1993-94

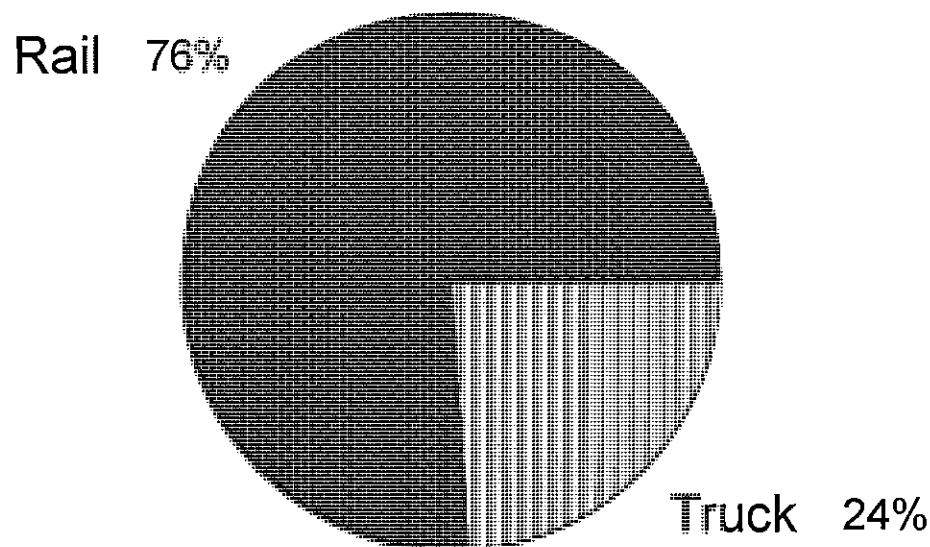
Single Car Elevators Multi Car Elevators Unit Train Elevators

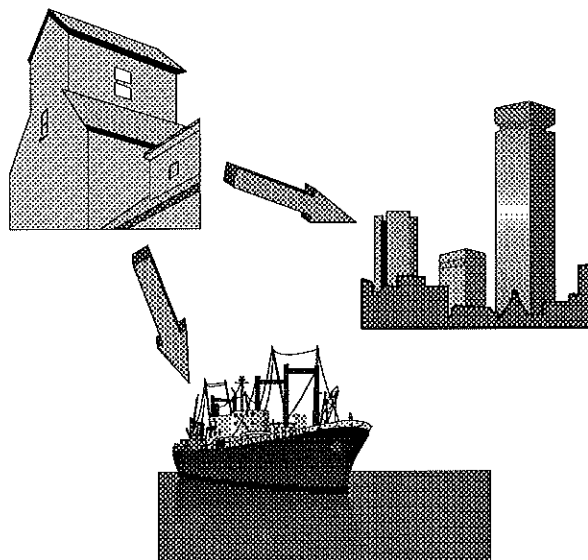


Modal Share of Grain and Oilseed Shipments from Each CRD, 1993-94

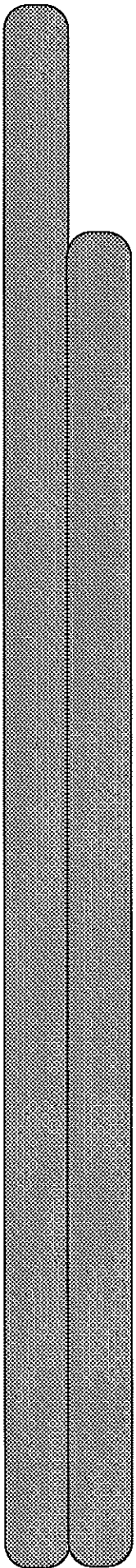


Rail/Truck Share of Grain and Oilseed Shipments from ND, 1993-94



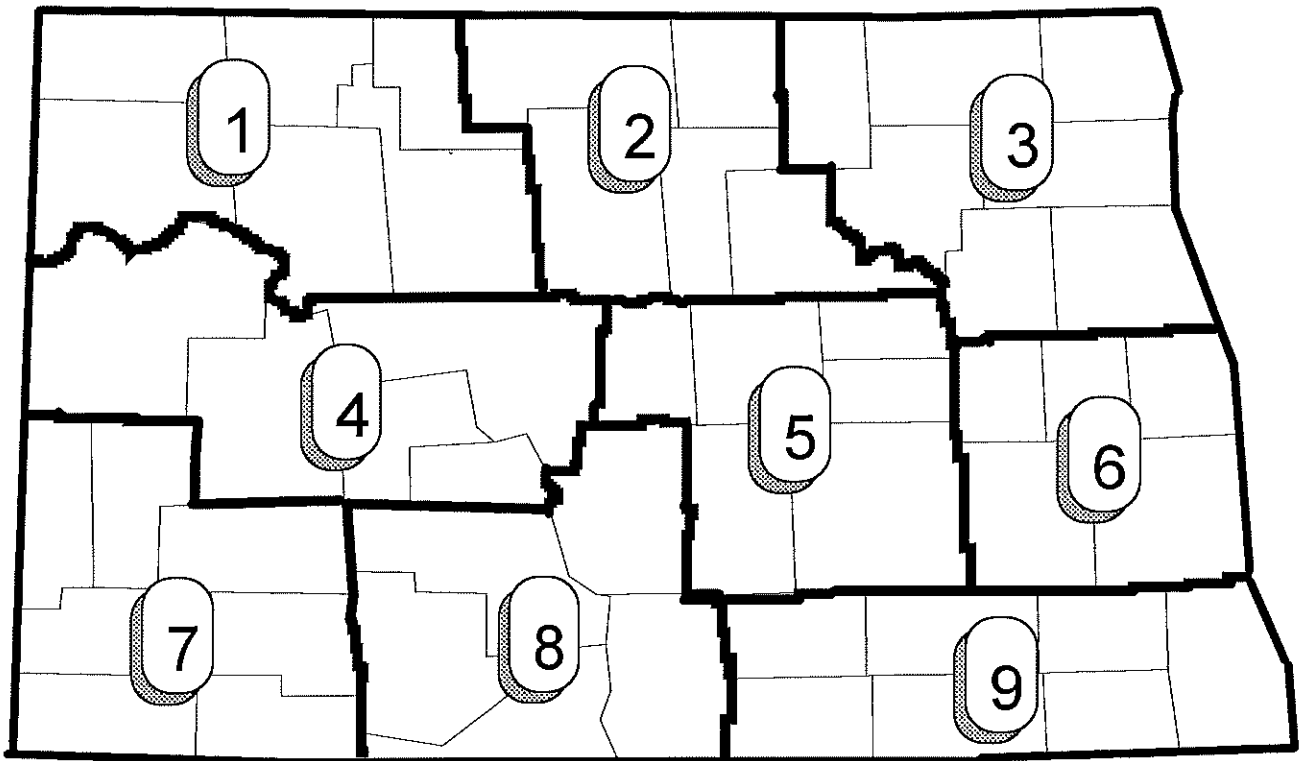


DESTINATIONS FOR GRAIN AND OILSEED SHIPMENTS ORIGINATING FROM NORTH DAKOTA ELEVATORS

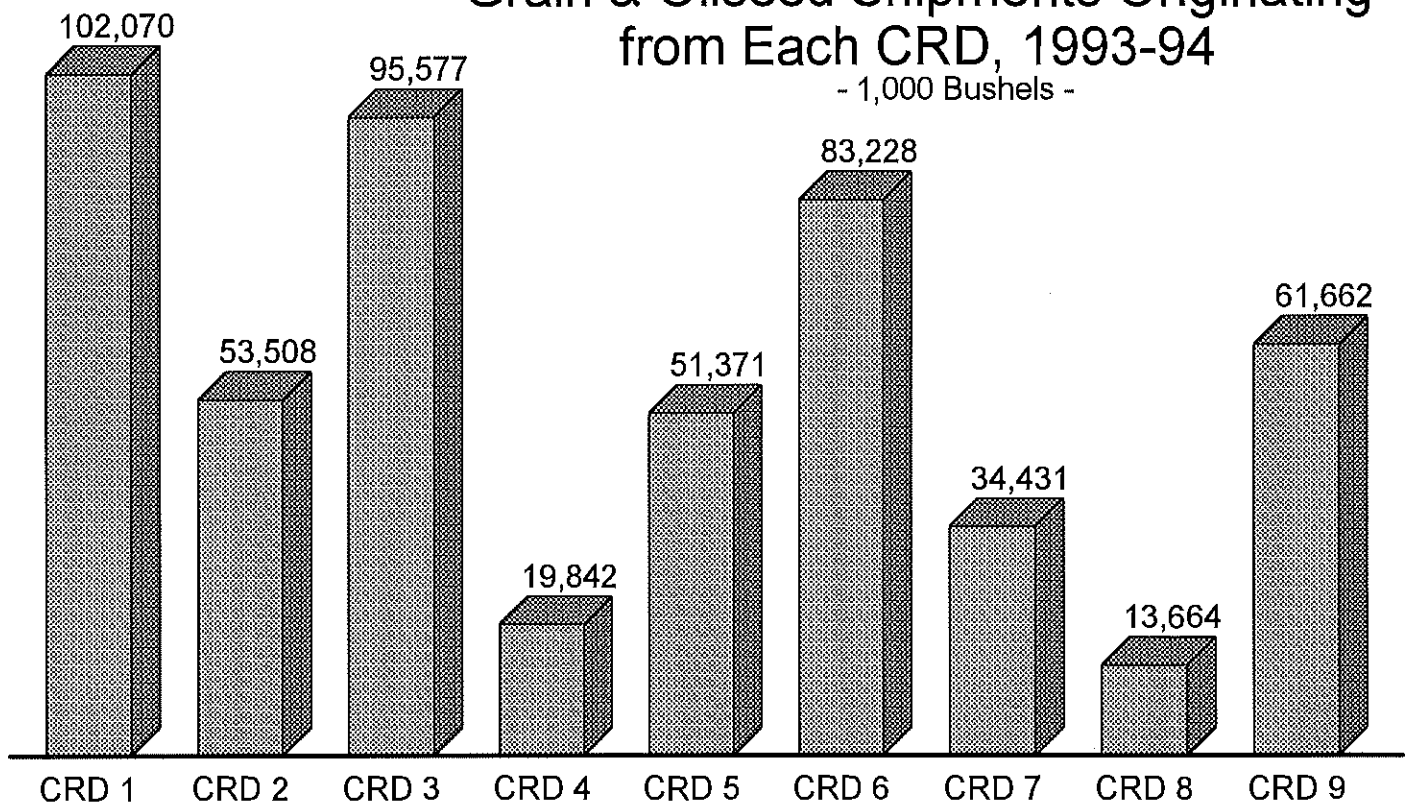


All Grains and Oilseeds

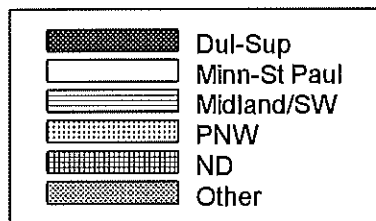
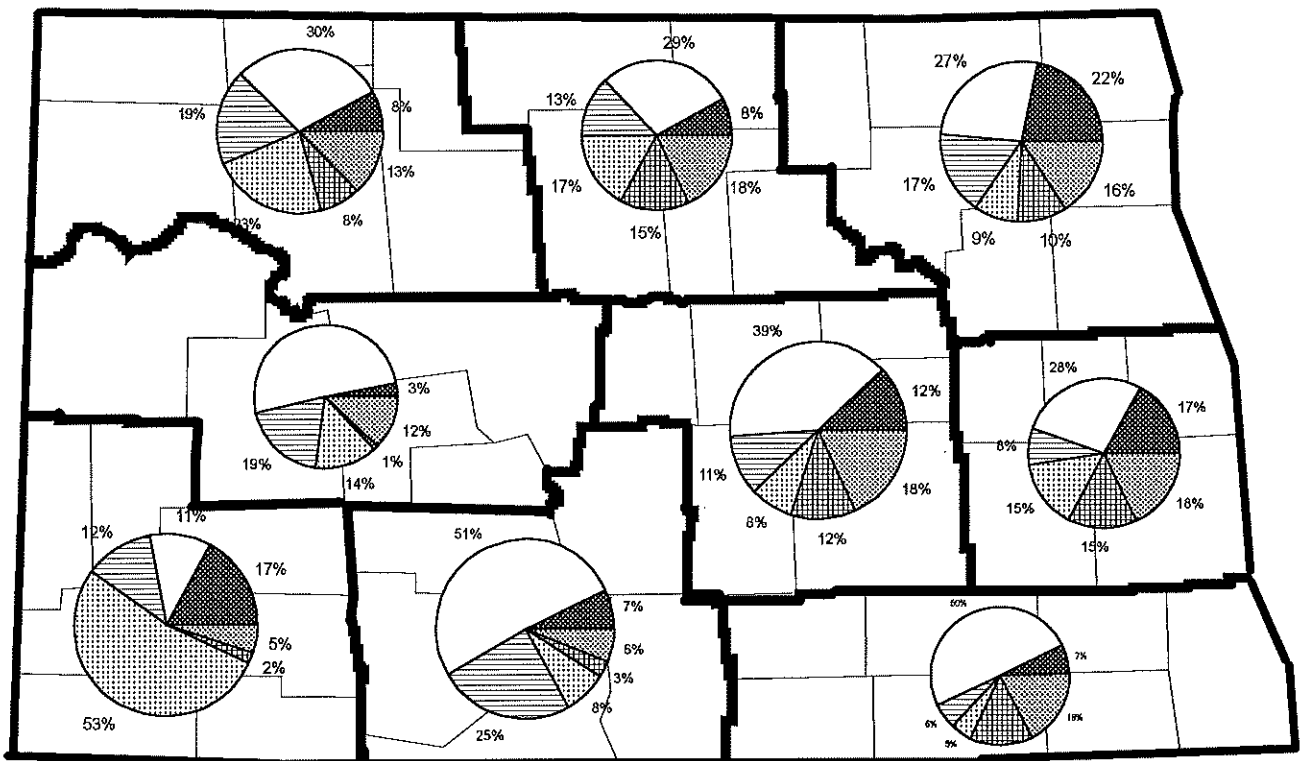
NORTH DAKOTA CROP REPORTING DISTRICTS



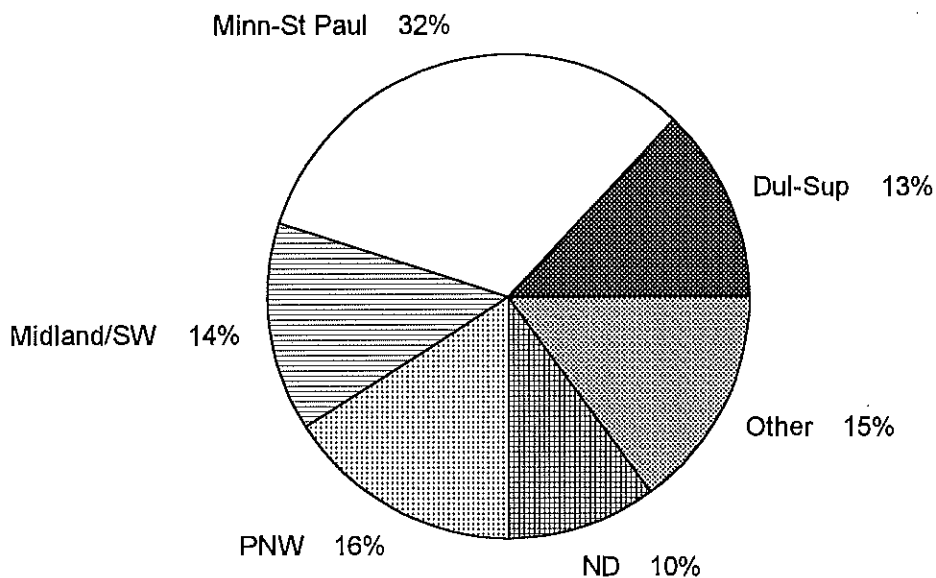
Grain & Oilseed Shipments Originating from Each CRD, 1993-94 - 1,000 Bushels -



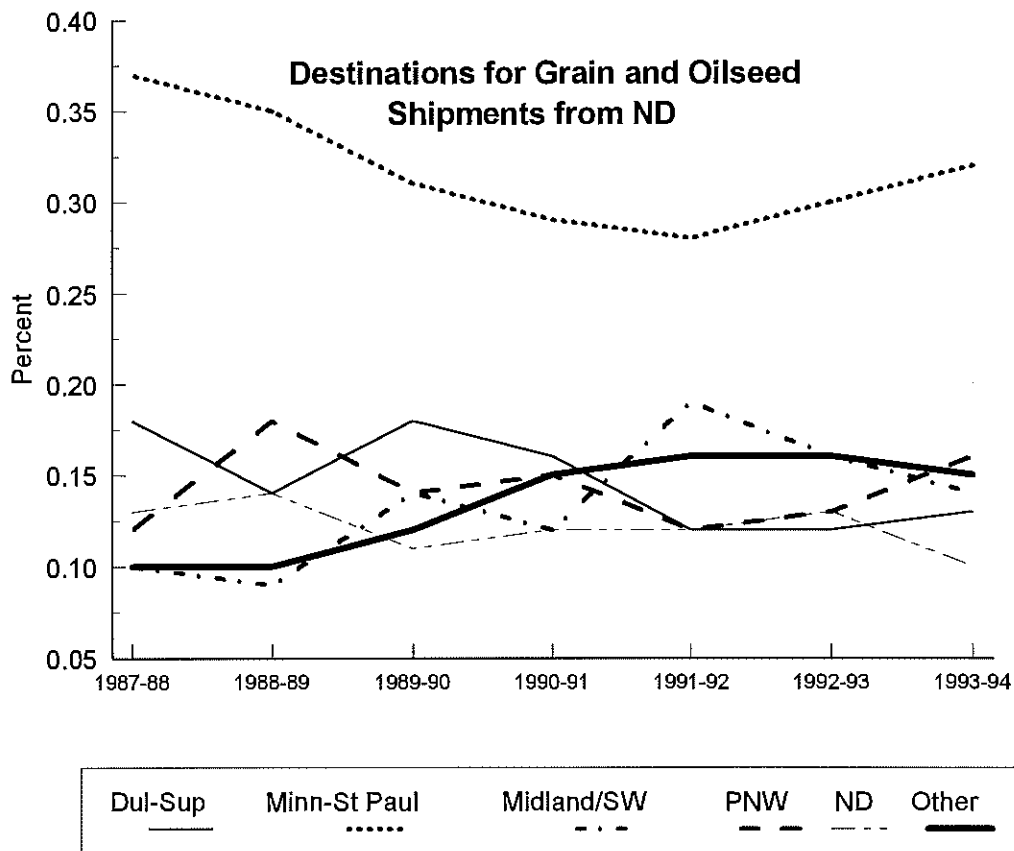
Destinations for Grain and Oilseed Shipments from Each CRD, 1993-94



Destinations for Grain and Oilseed Shipments from ND Elevators, 1993-94



Destinations for Grain and Oilseed Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
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	
1993-94	65,572	165,713	70,179	82,292	53,760	77,841	515,357
	0.13	0.32	0.14	0.16	0.10	0.15	



Destinations for Grain and Oilseed Shipments from ND CRDs

Dul-Sup

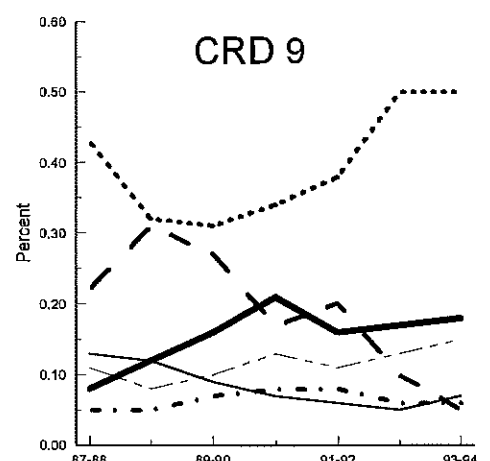
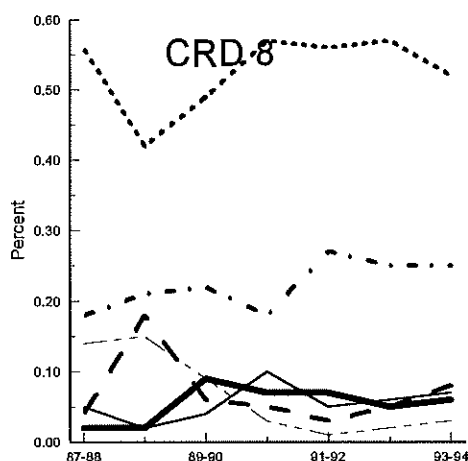
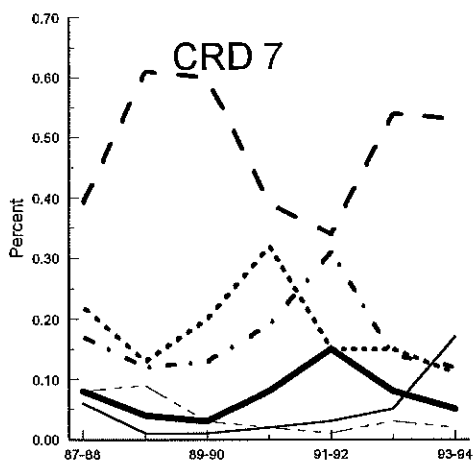
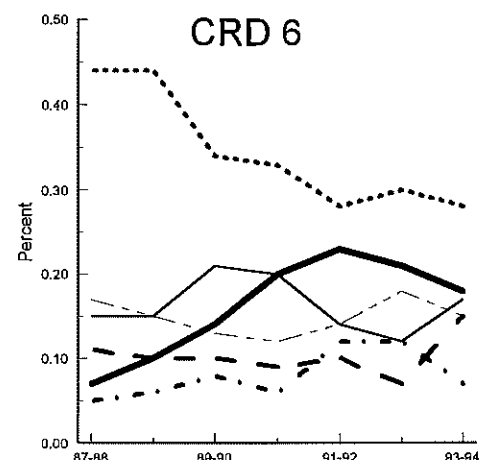
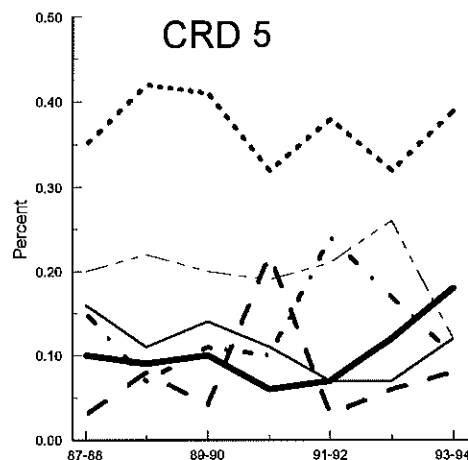
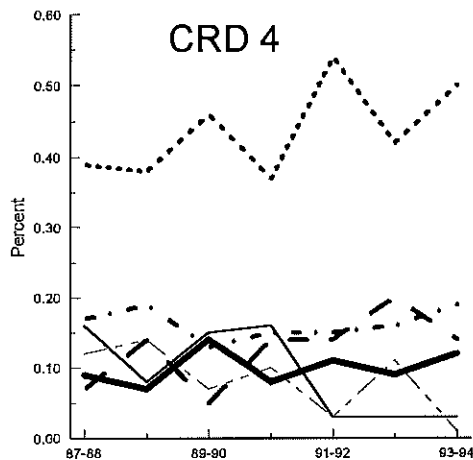
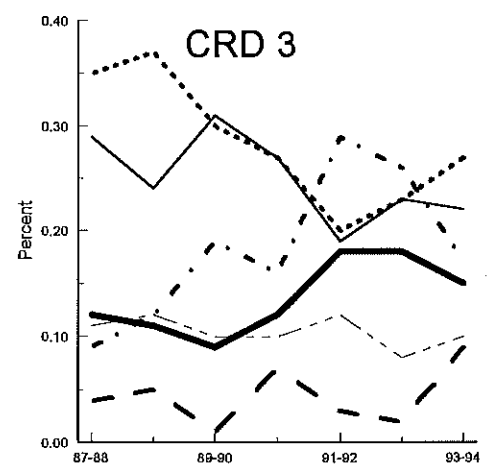
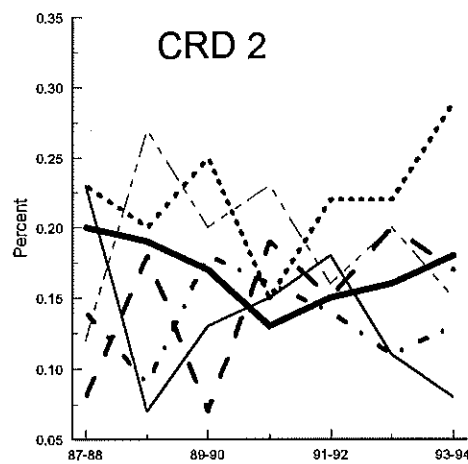
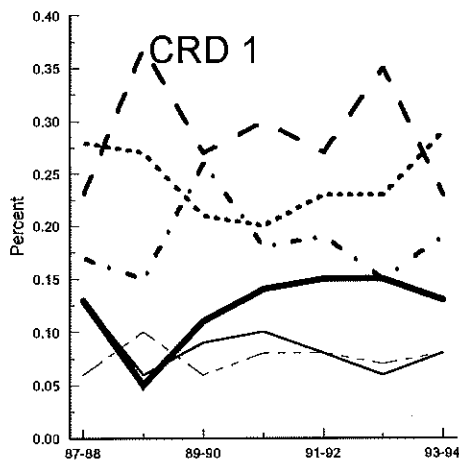
Minn-St Paul

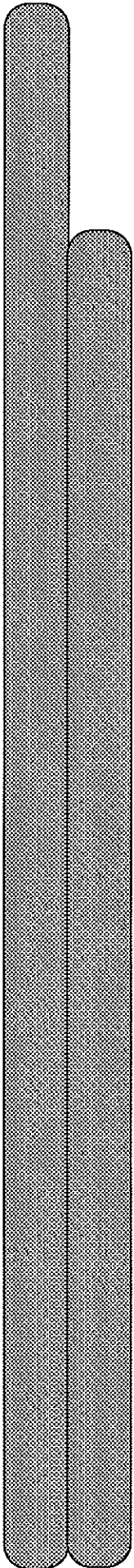
Midland/SW

PNW

ND

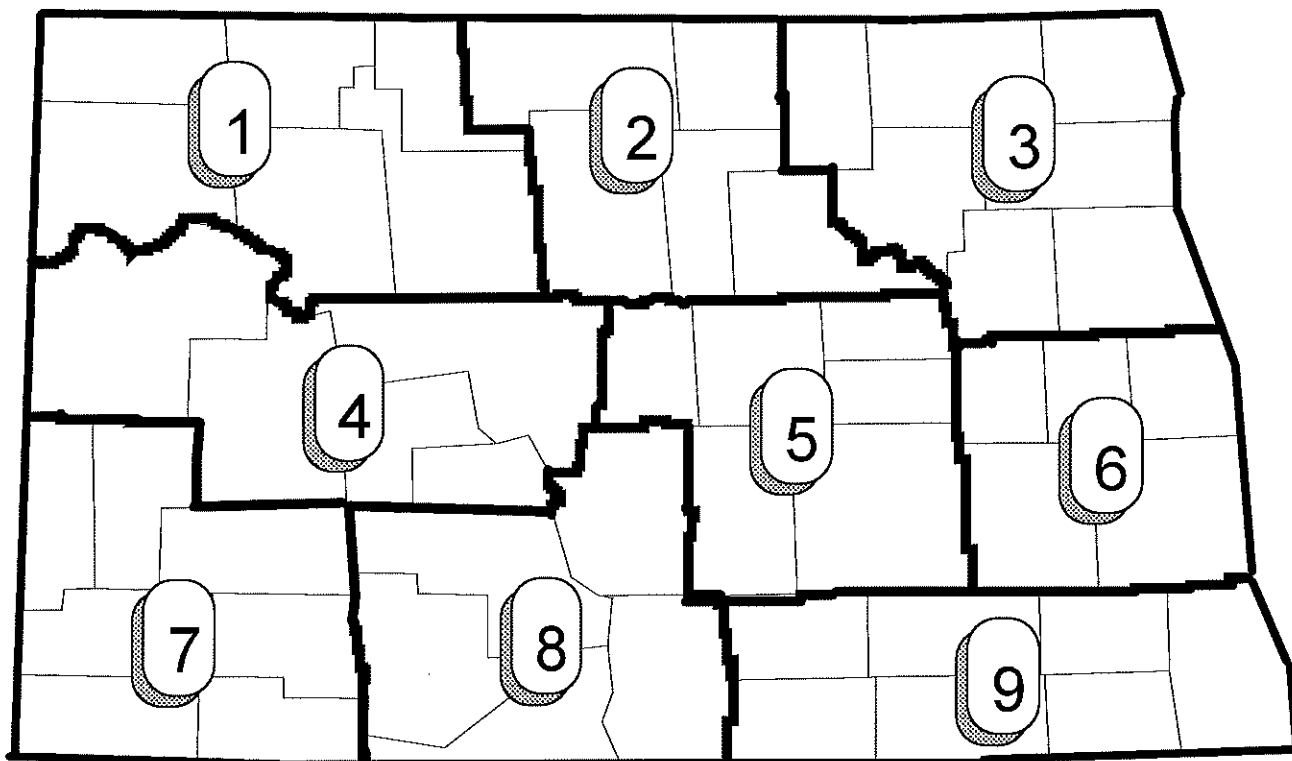
Other





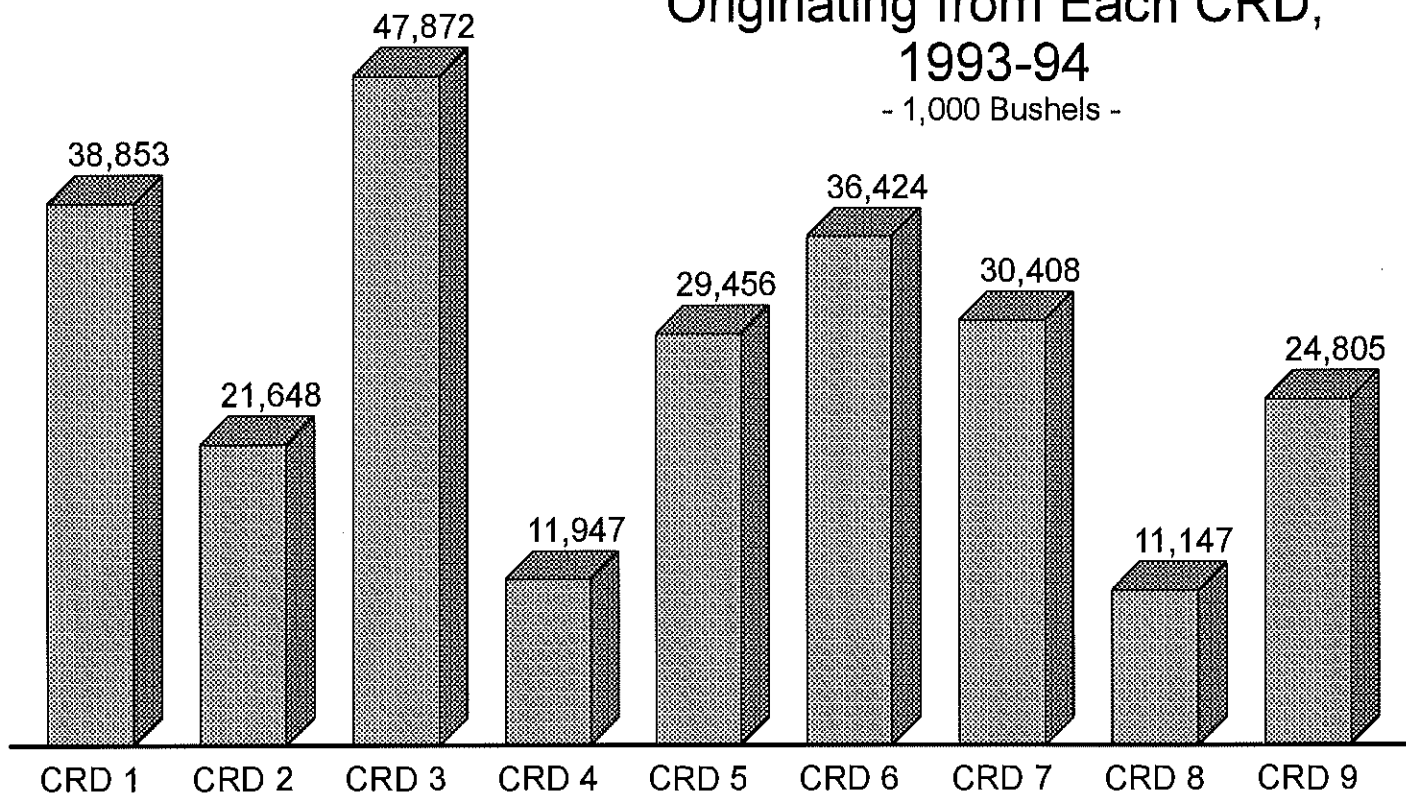
HRS Wheat

NORTH DAKOTA CROP REPORTING DISTRICTS

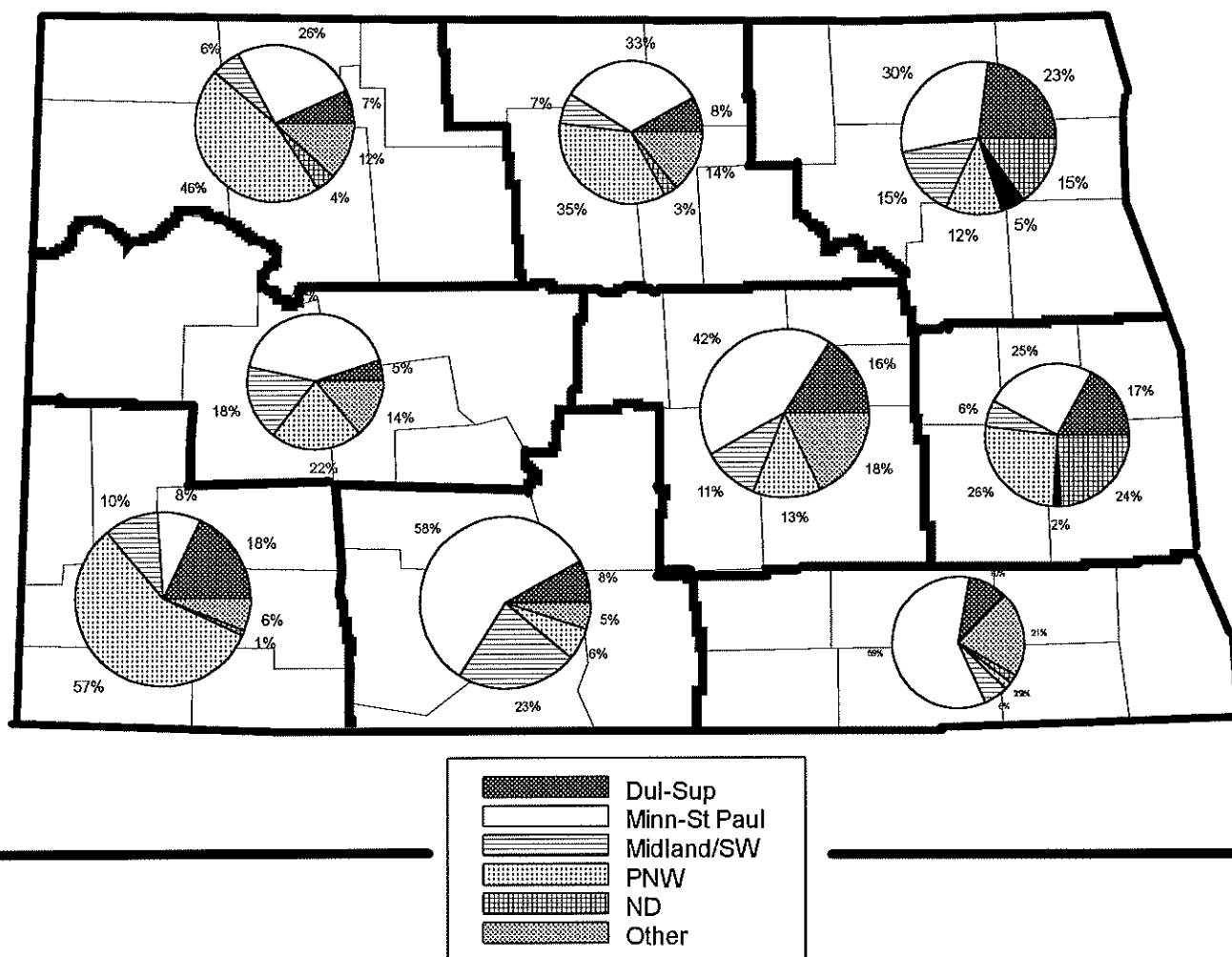


HRS Wheat Shipments Originating from Each CRD, 1993-94

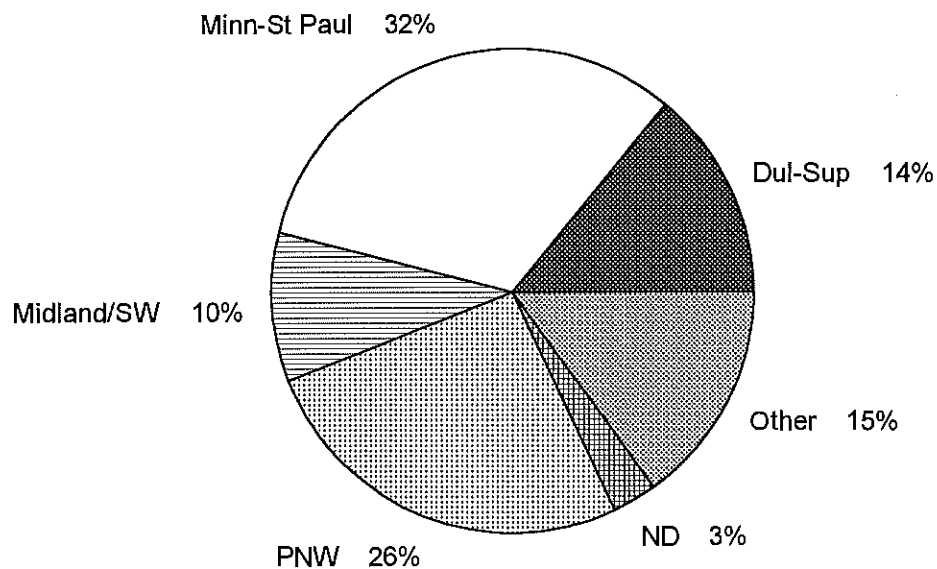
- 1,000 Bushels -



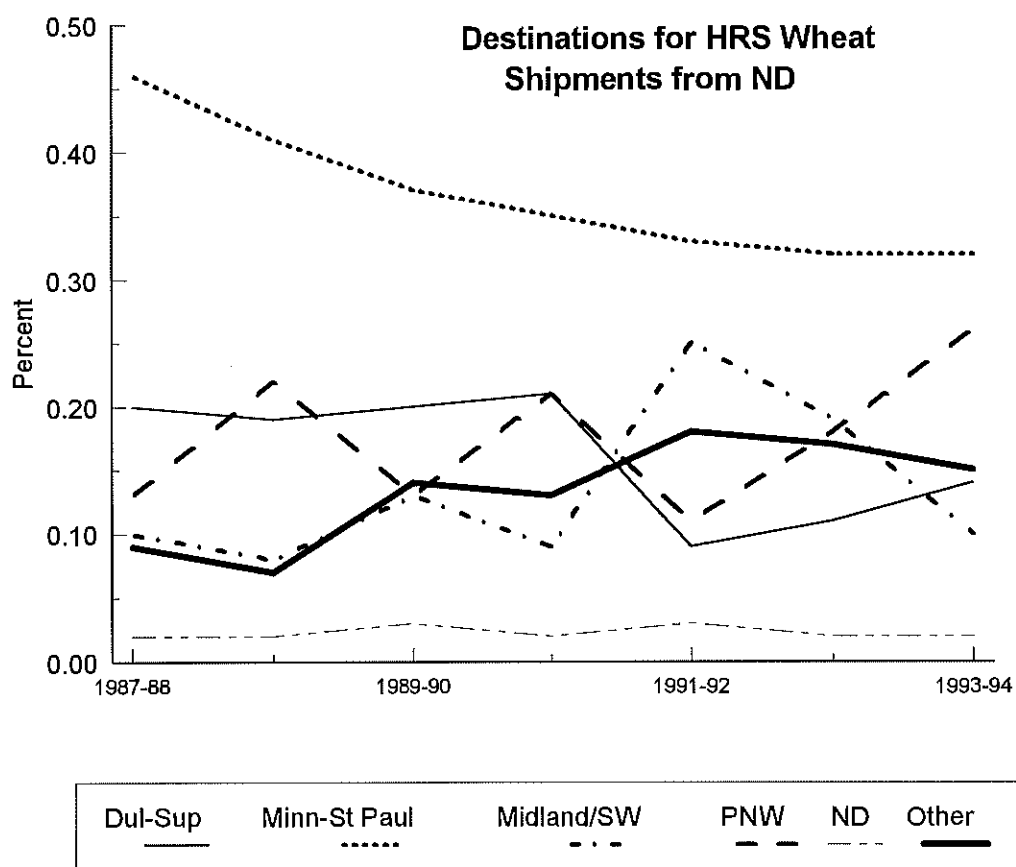
Destinations for HRS Wheat Shipments from Each CRD, 1993-94



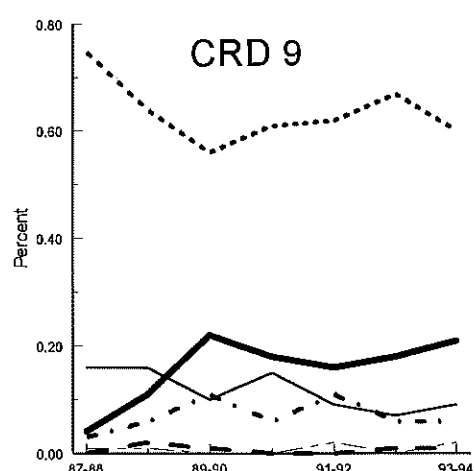
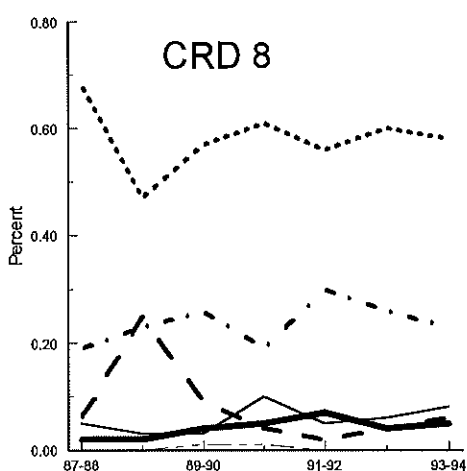
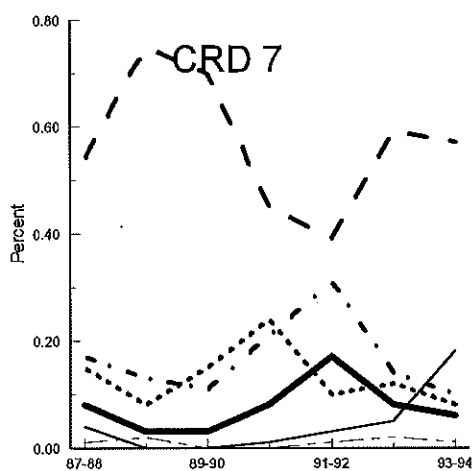
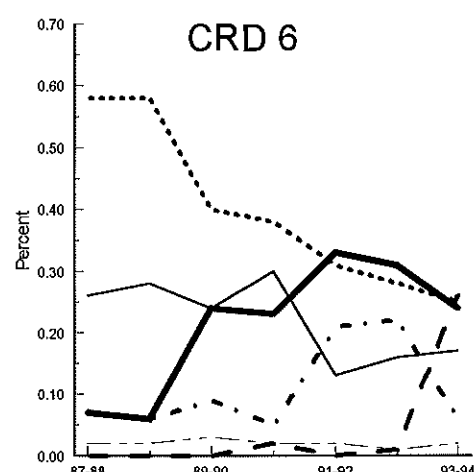
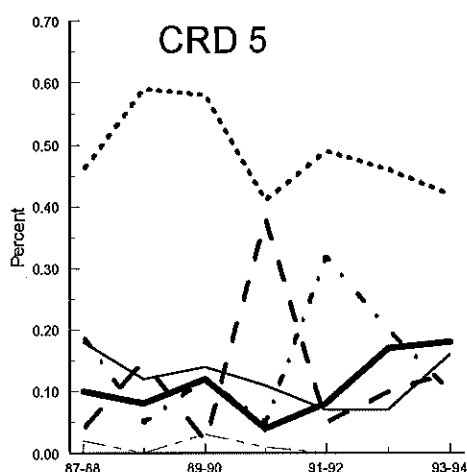
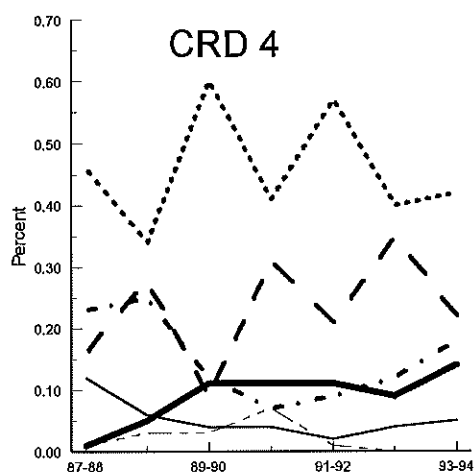
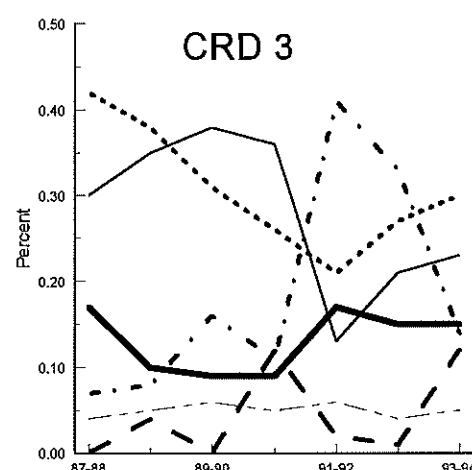
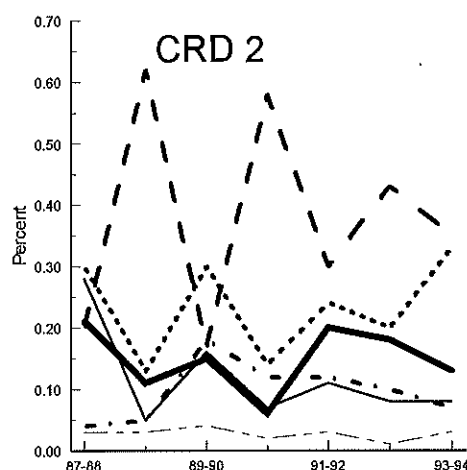
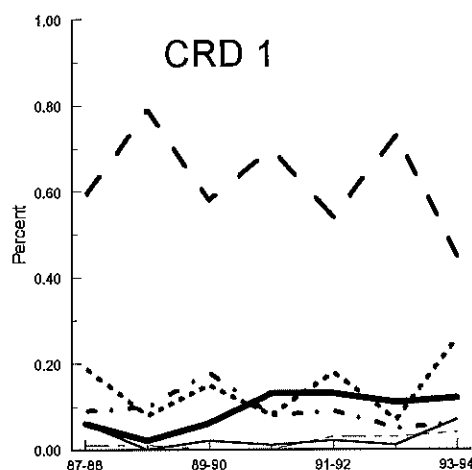
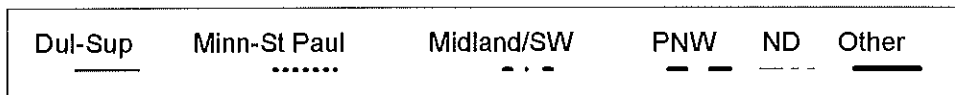
Destinations for HRS Wheat Shipments from ND Elevators, 1993-94

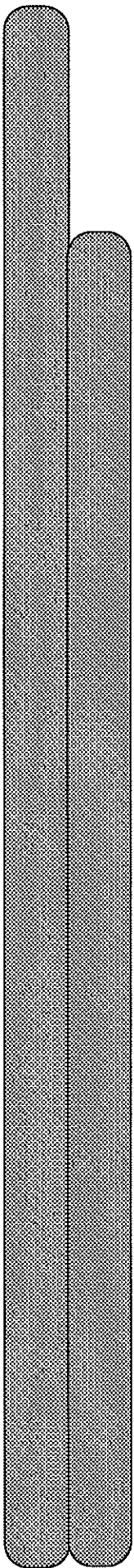


Destinations for HRS Wheat Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1988-89	26,239	42,265	29,789	3,222	11,529	22,595	135,639
	0.19	0.31	0.22	0.02	0.08	0.17	
1989-90	38,510	58,880	25,131	5,362	25,647	38,955	192,485
	0.20	0.31	0.13	0.03	0.13	0.20	
1990-91	39,229	56,356	39,521	4,042	16,898	35,026	191,072
	0.21	0.29	0.21	0.02	0.09	0.18	
1991-92	23,892	74,837	29,290	7,005	66,246	60,150	261,420
	0.09	0.29	0.11	0.03	0.25	0.23	
1992-93	38,573	81,210	62,458	6,684	66,819	88,517	344,261
	0.11	0.24	0.18	0.02	0.19	0.26	
1993-94	35,405	81,738	25,318	65,754	6,408	37,943	252,566
	0.14	0.32	0.10	0.26	0.03	0.15	



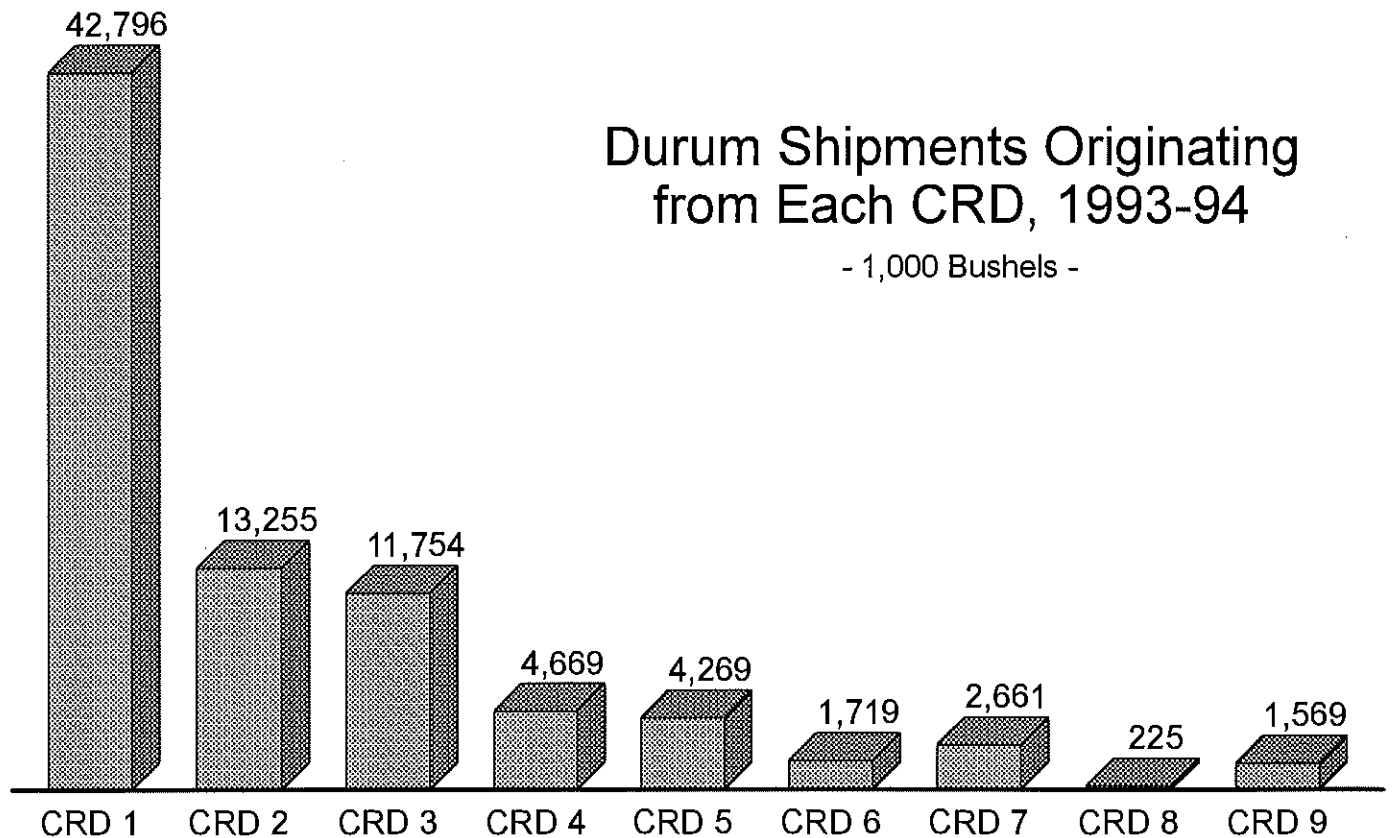
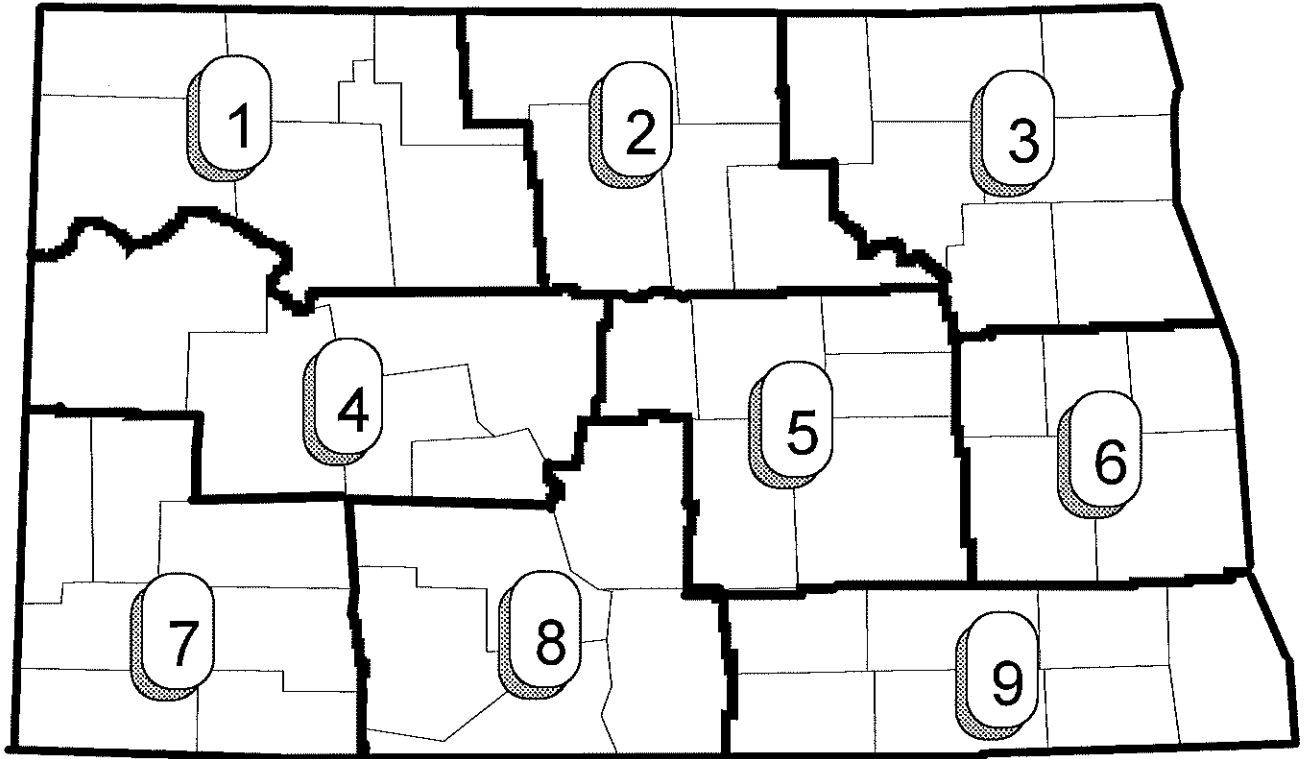
Destinations for HRS Wheat Shipments from ND CRDs



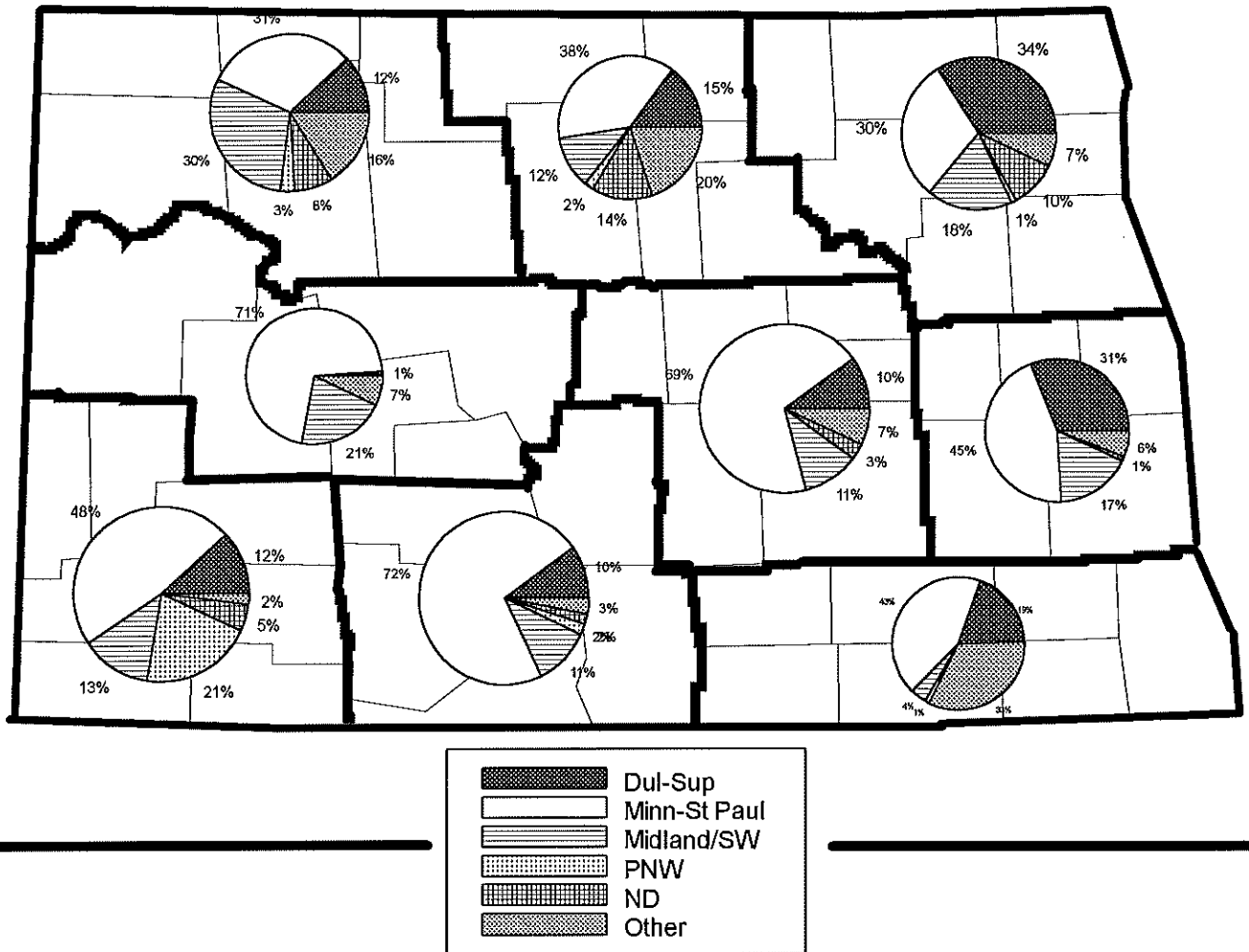


Durum

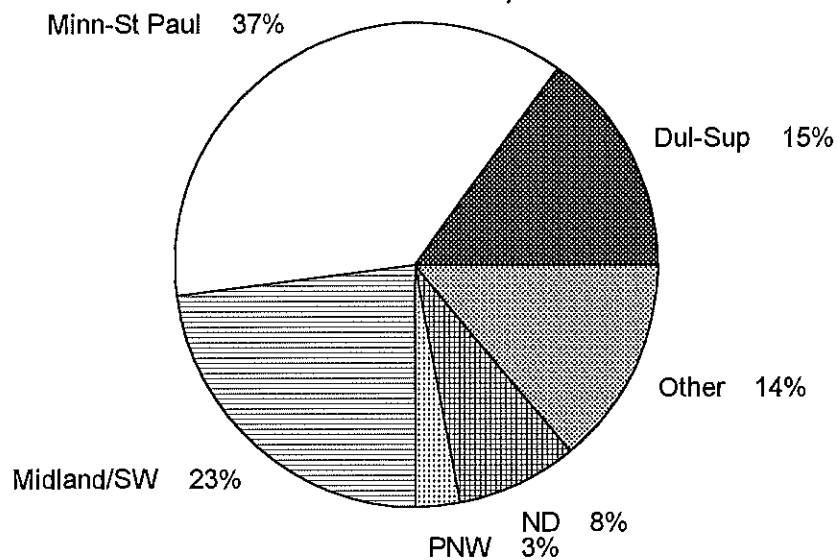
NORTH DAKOTA CROP REPORTING DISTRICTS



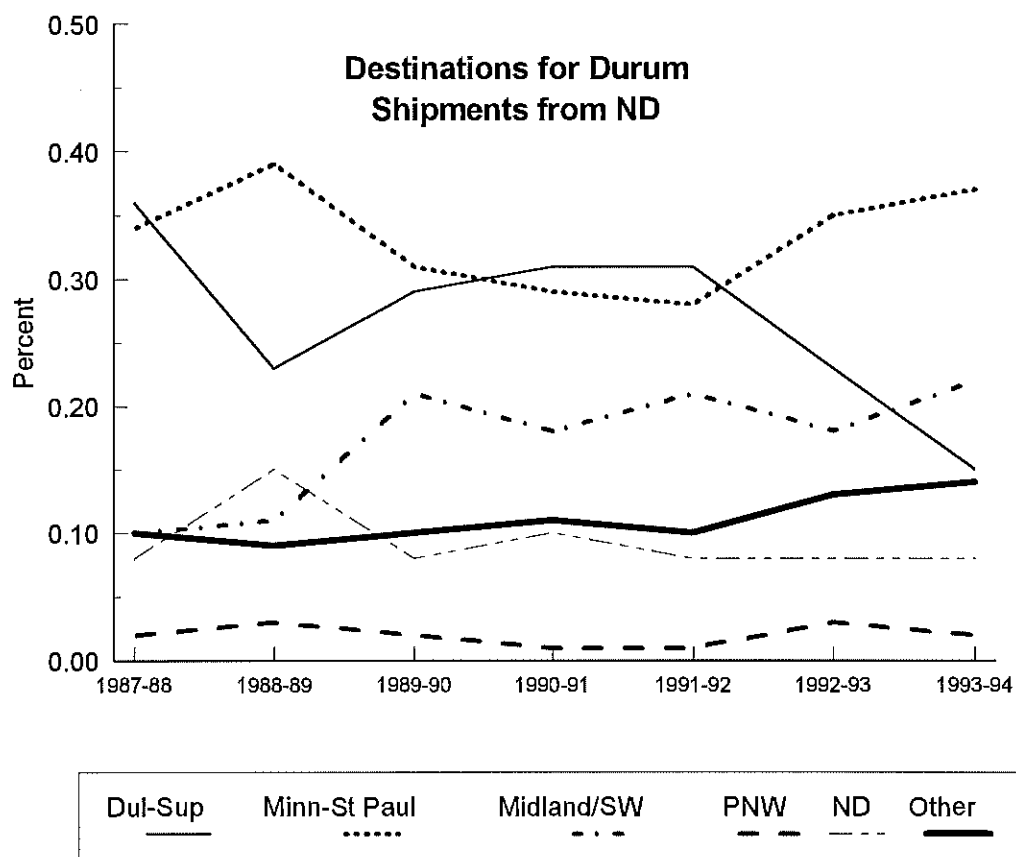
Destinations for Durum Shipments from Each CRD, 1993-94



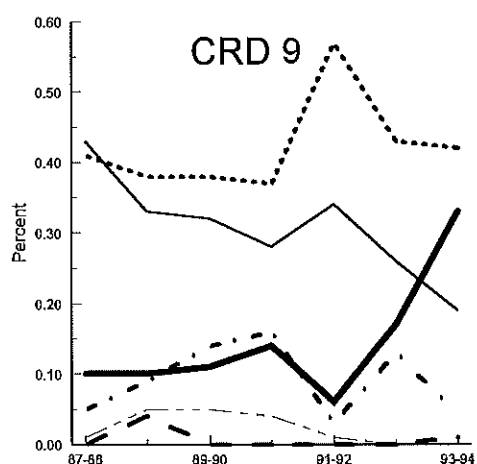
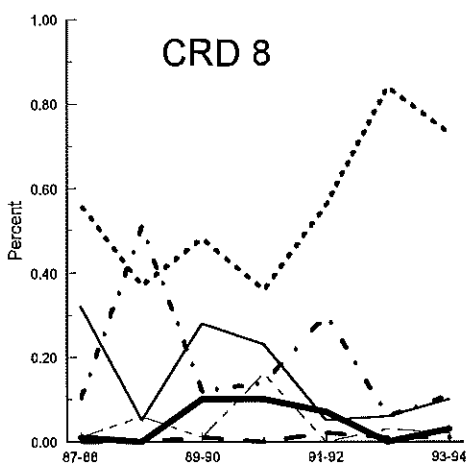
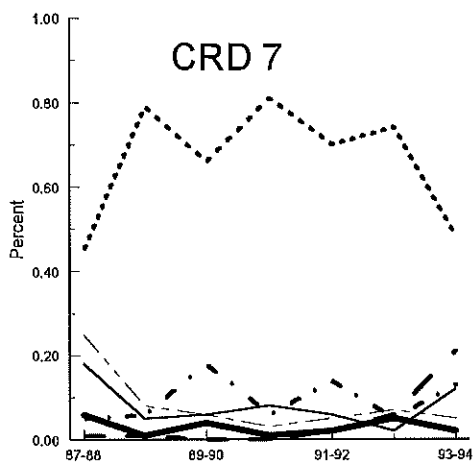
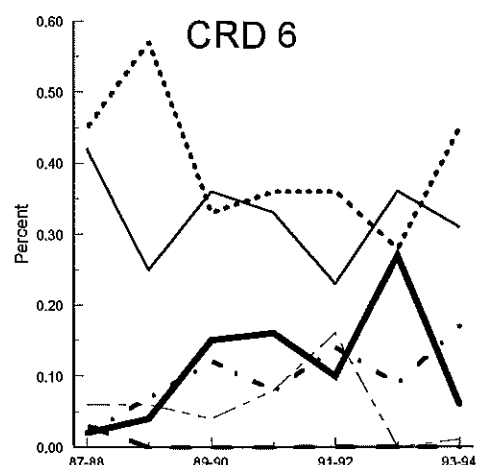
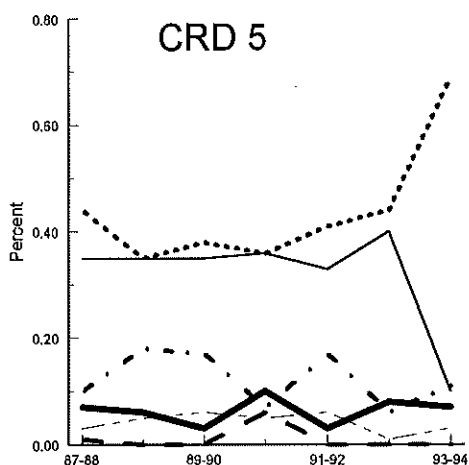
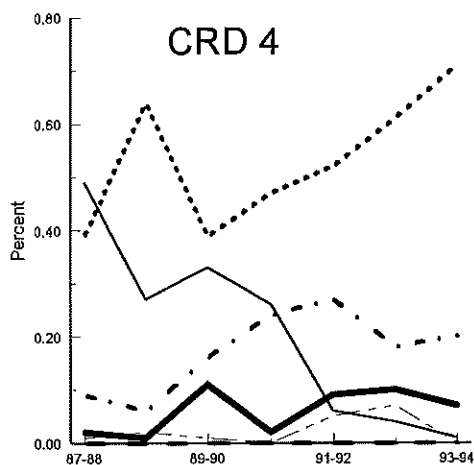
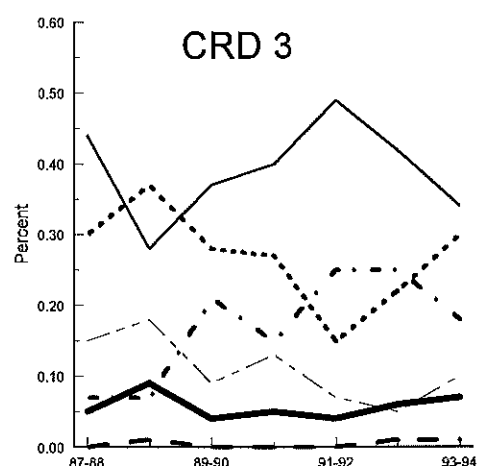
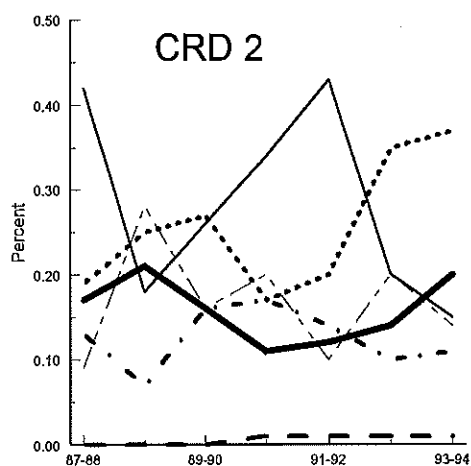
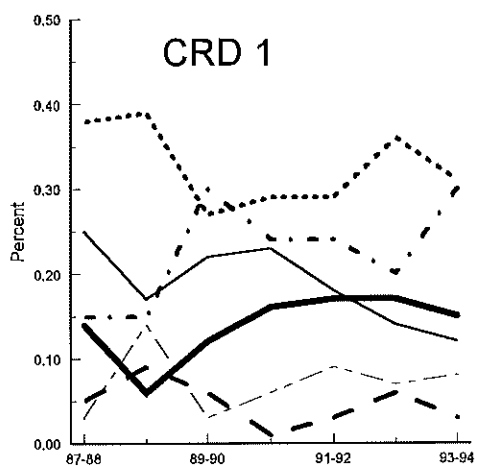
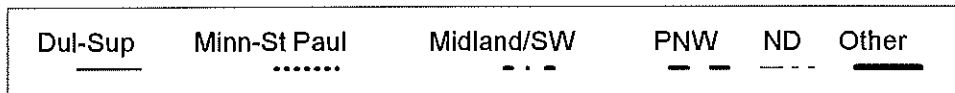
Destinations for Durum Shipments from ND Elevators, 1993-94

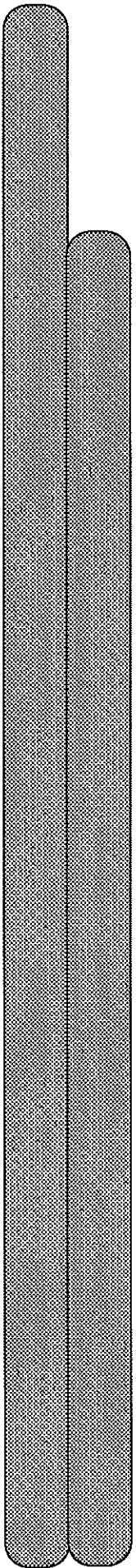


Destinations for Durum Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1988-89	10,033	17,223	4,638	1,438	6,565	4,010	43,907
	0.23	0.39	0.11	0.03	0.15	0.09	
1989-90	21,103	21,985	15,276	1,127	5,580	6,932	72,003
	0.29	0.31	0.21	0.02	0.08	0.10	
1990-91	24,167	23,024	13,912	929	8,049	8,227	78,308
	0.31	0.29	0.18	0.01	0.10	0.11	
1991-92	26,063	23,524	17,740	1,192	6,738	8,636	83,893
	0.31	0.28	0.21	0.01	0.08	0.10	
1992-93	20,627	30,825	15,986	2,424	6,914	11,305	88,081
	0.23	0.35	0.18	0.03	0.08	0.13	
1993-94	12,760	31,049	18,678	2,196	6,802	11,436	82,921
	0.15	0.37	0.23	0.03	0.08	0.14	



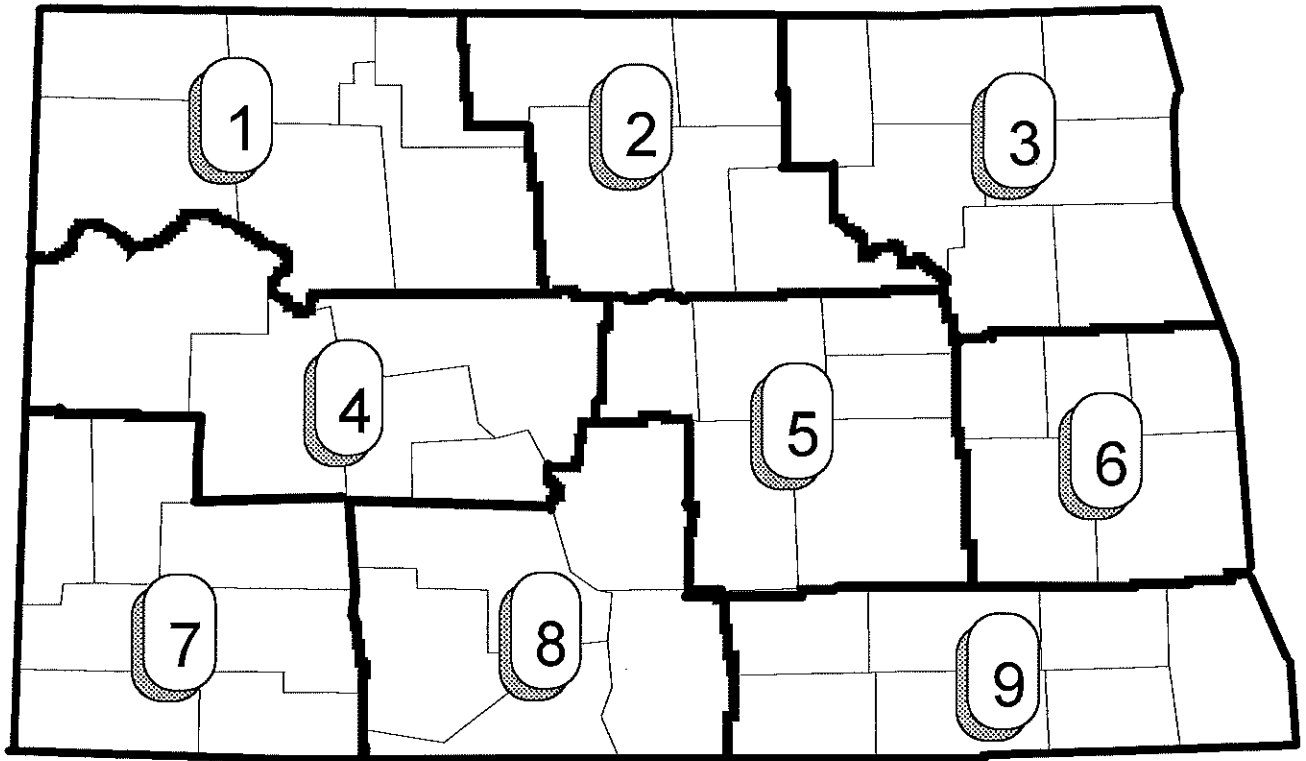
Destinations for Durum Shipments from ND CRDs





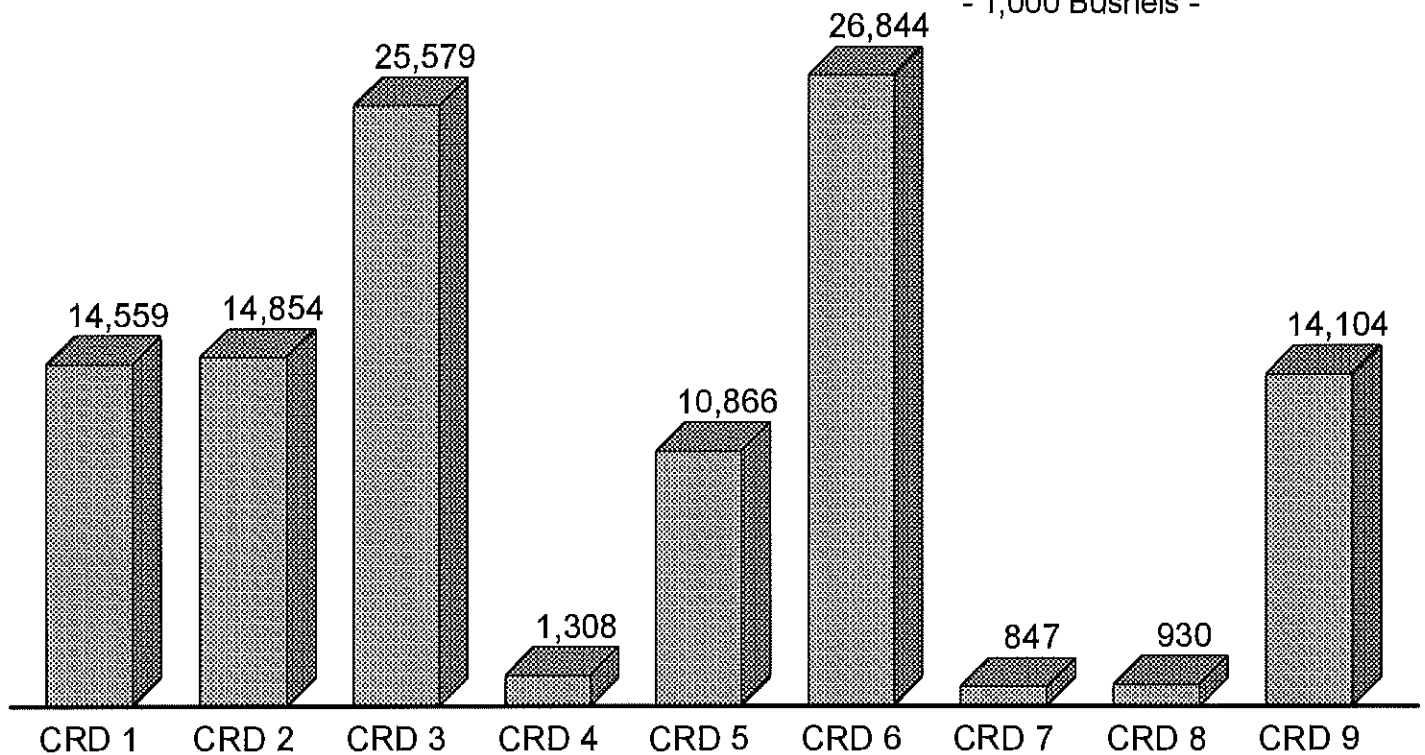
Barley

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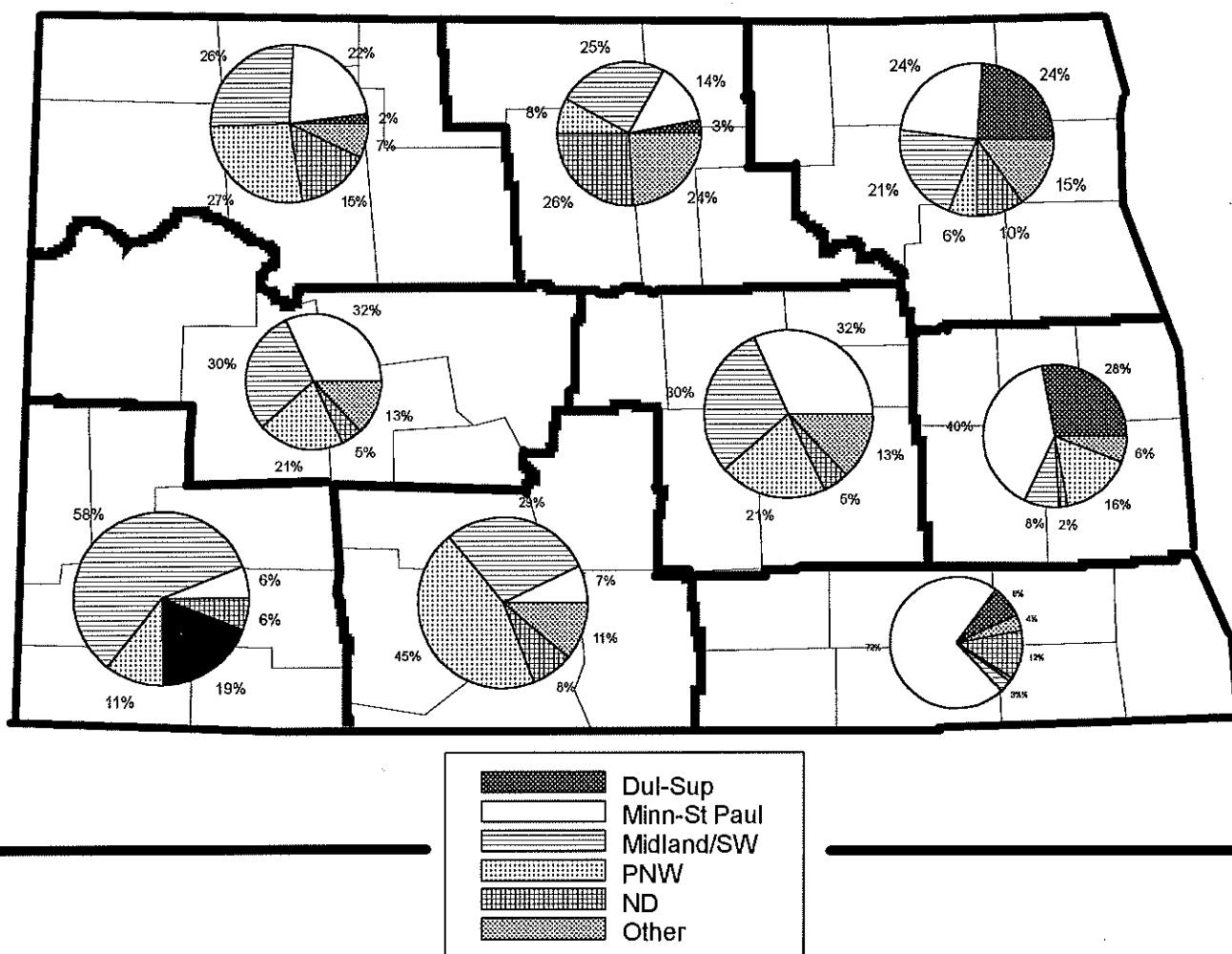


Barley Shipments Originating from Each CRD, 1993-94

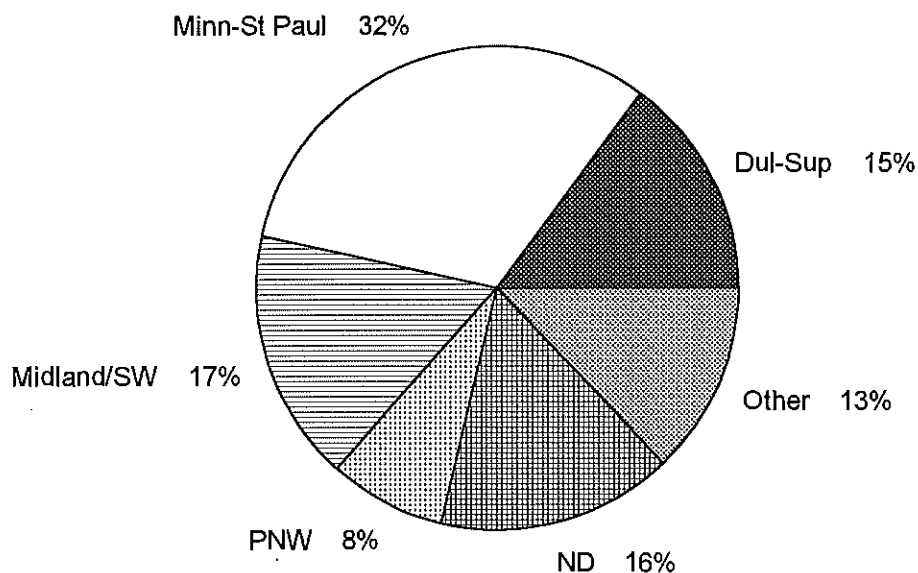
- 1,000 Bushels -



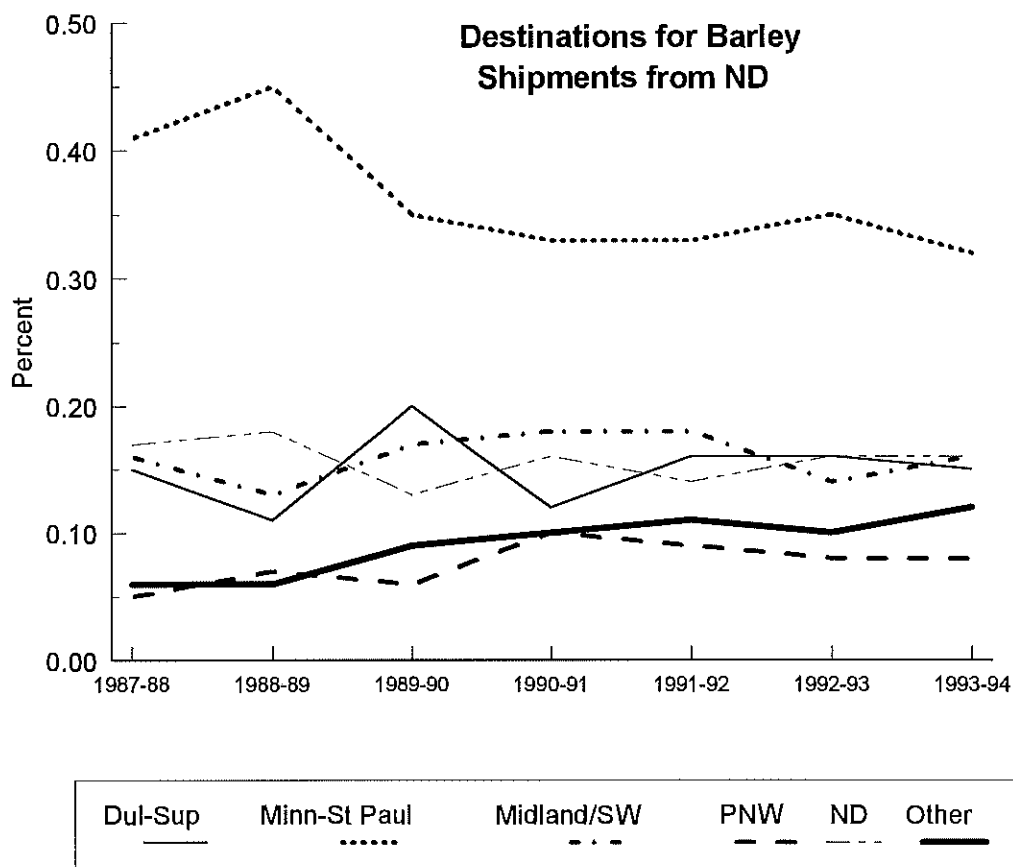
Destinations for Barley Shipments from Each CRD, 1993-94



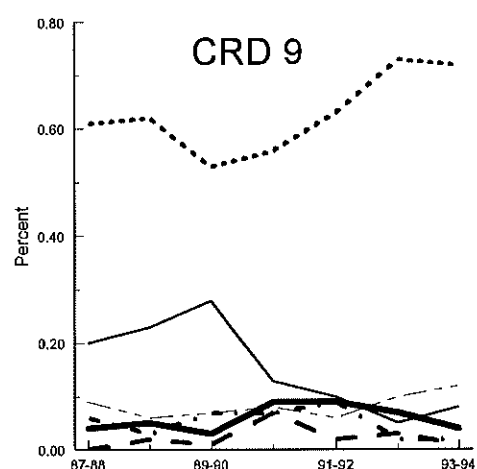
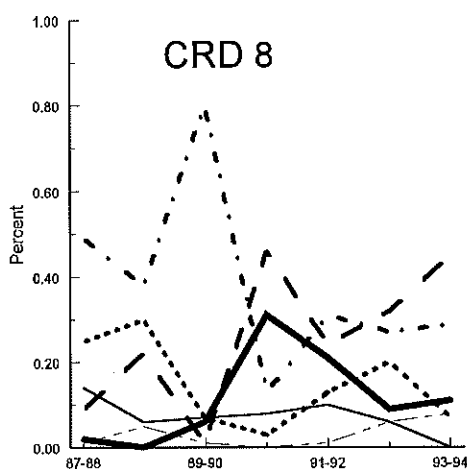
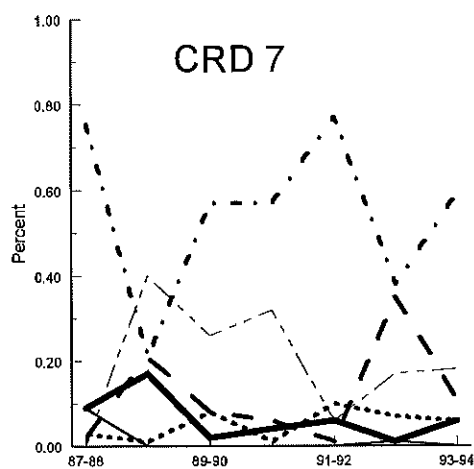
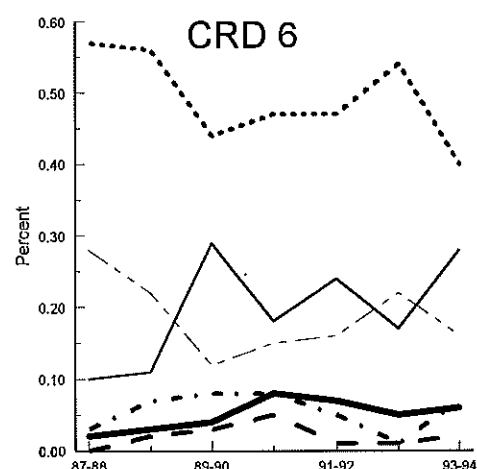
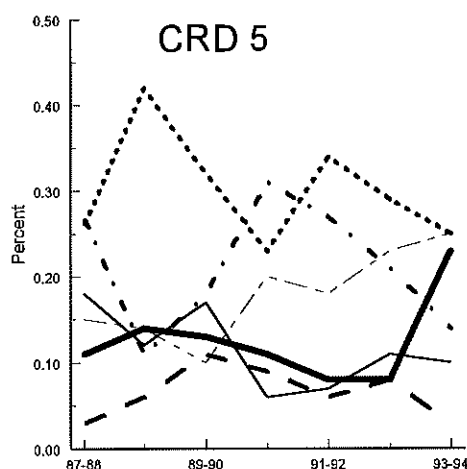
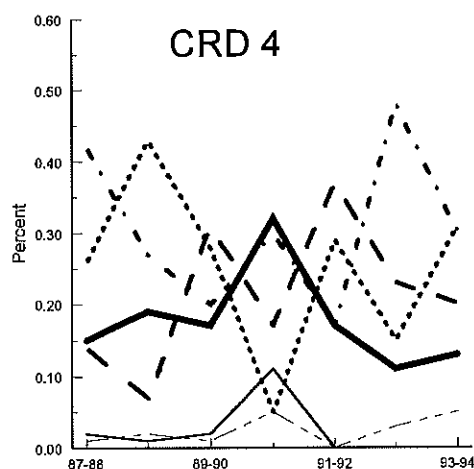
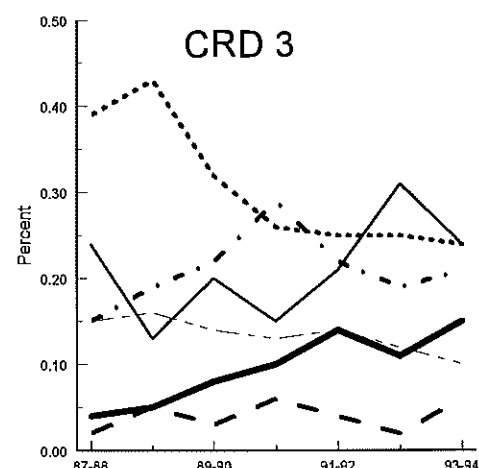
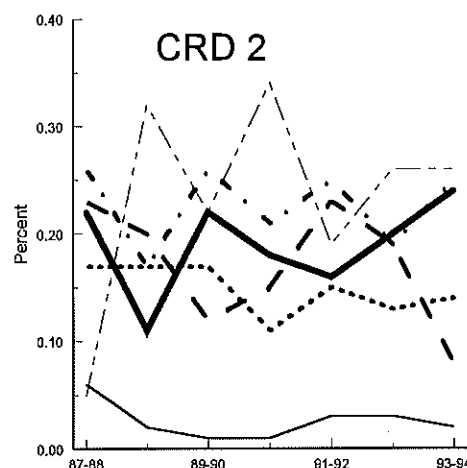
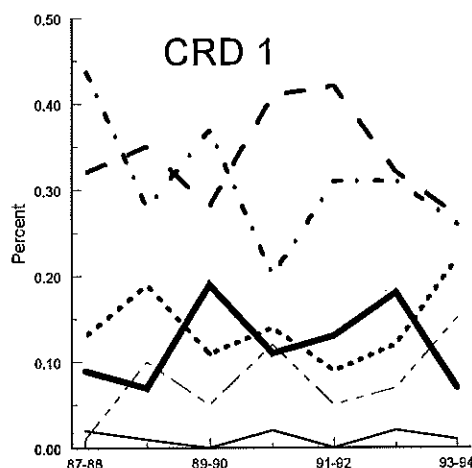
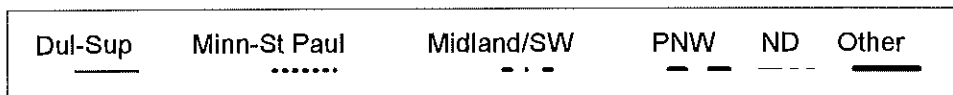
Destinations for Barley Shipments from ND Elevators, 1993-94

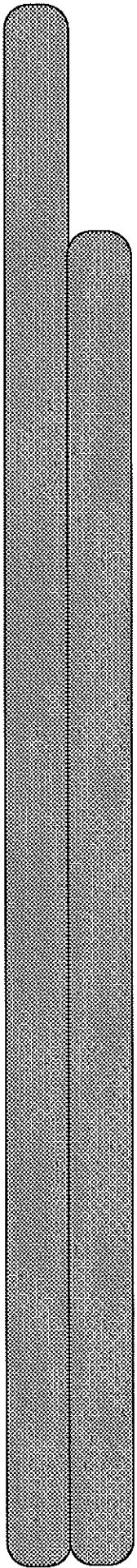


Destinations for Barley Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/ SW	PNW	ND	Other	Total
1988-89	9,736	41,417	12,486	6,850	16,715	5,512	92,716
	0.11	0.45	0.13	0.07	0.18	0.06	
1989-90	22,893	39,410	19,061	6,858	14,131	9,904	112,257
	0.20	0.35	0.17	0.06	0.13	0.09	
1990-91	14,200	38,032	20,482	11,695	17,776	11,861	114,046
	0.12	0.33	0.18	0.10	0.16	0.10	
1991-92	19,398	40,691	22,431	11,197	17,219	13,848	124,784
	0.16	0.33	0.18	0.09	0.14	0.11	
1992-93	20,799	45,943	18,725	10,799	21,407	13,466	131,139
	0.16	0.35	0.14	0.08	0.16	0.10	
1993-94	16,257	35,630	18,105	8,447	17,756	13,739	109,934
	0.15	0.32	0.16	0.08	0.16	0.12	



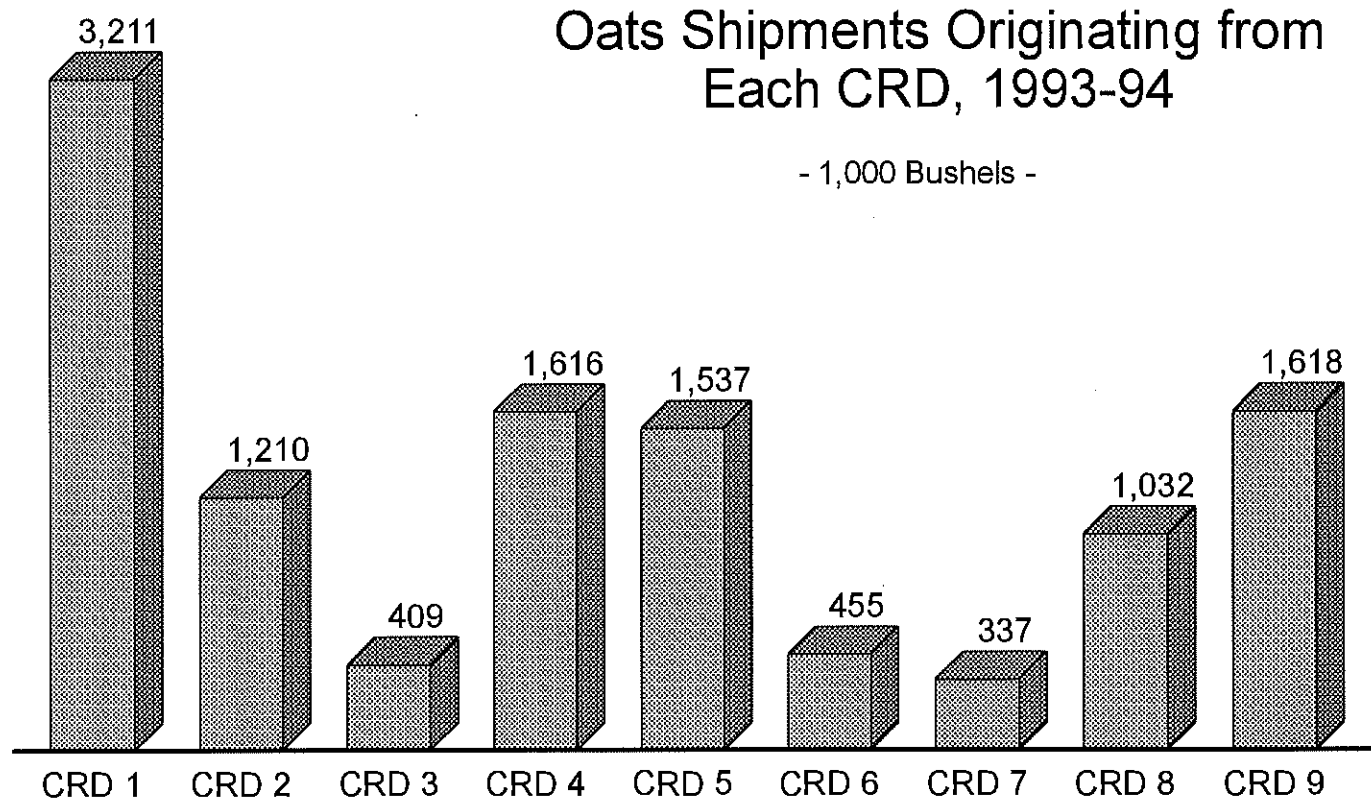
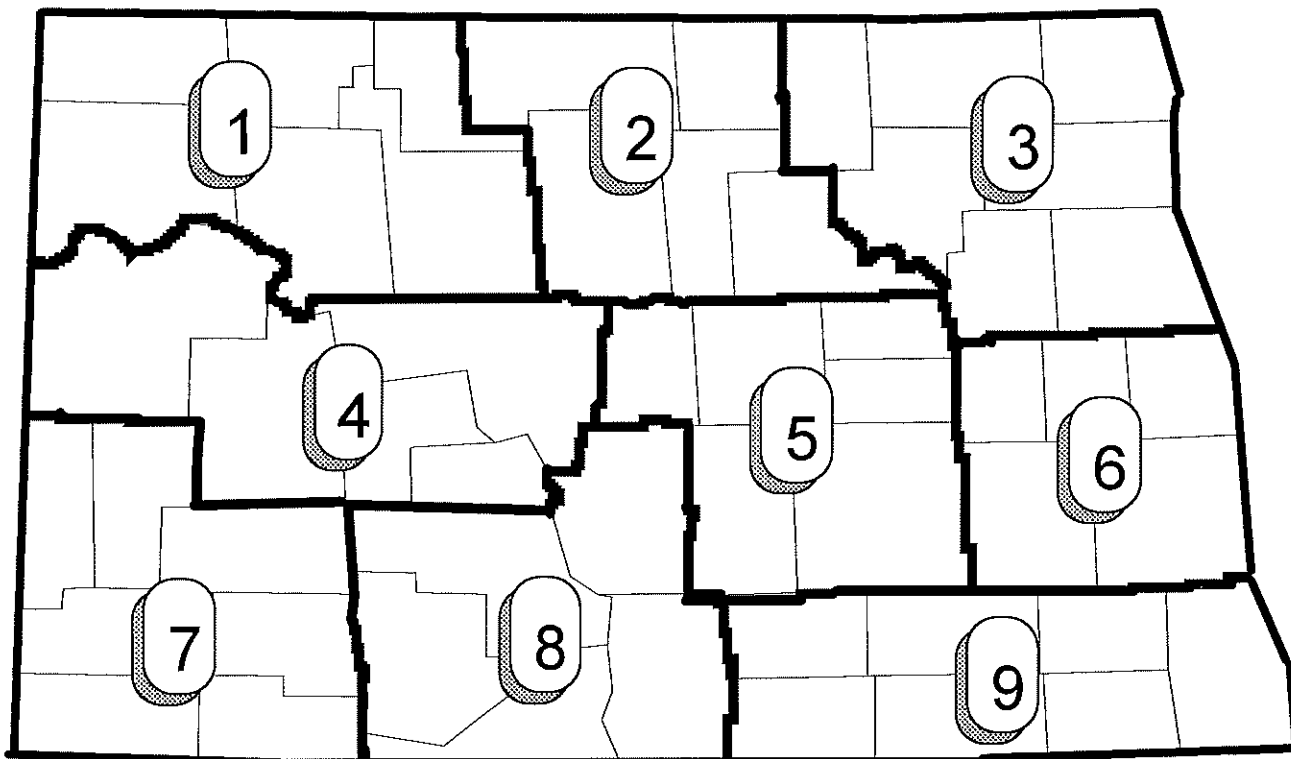
Destinations for Barley Shipments from ND CRDs



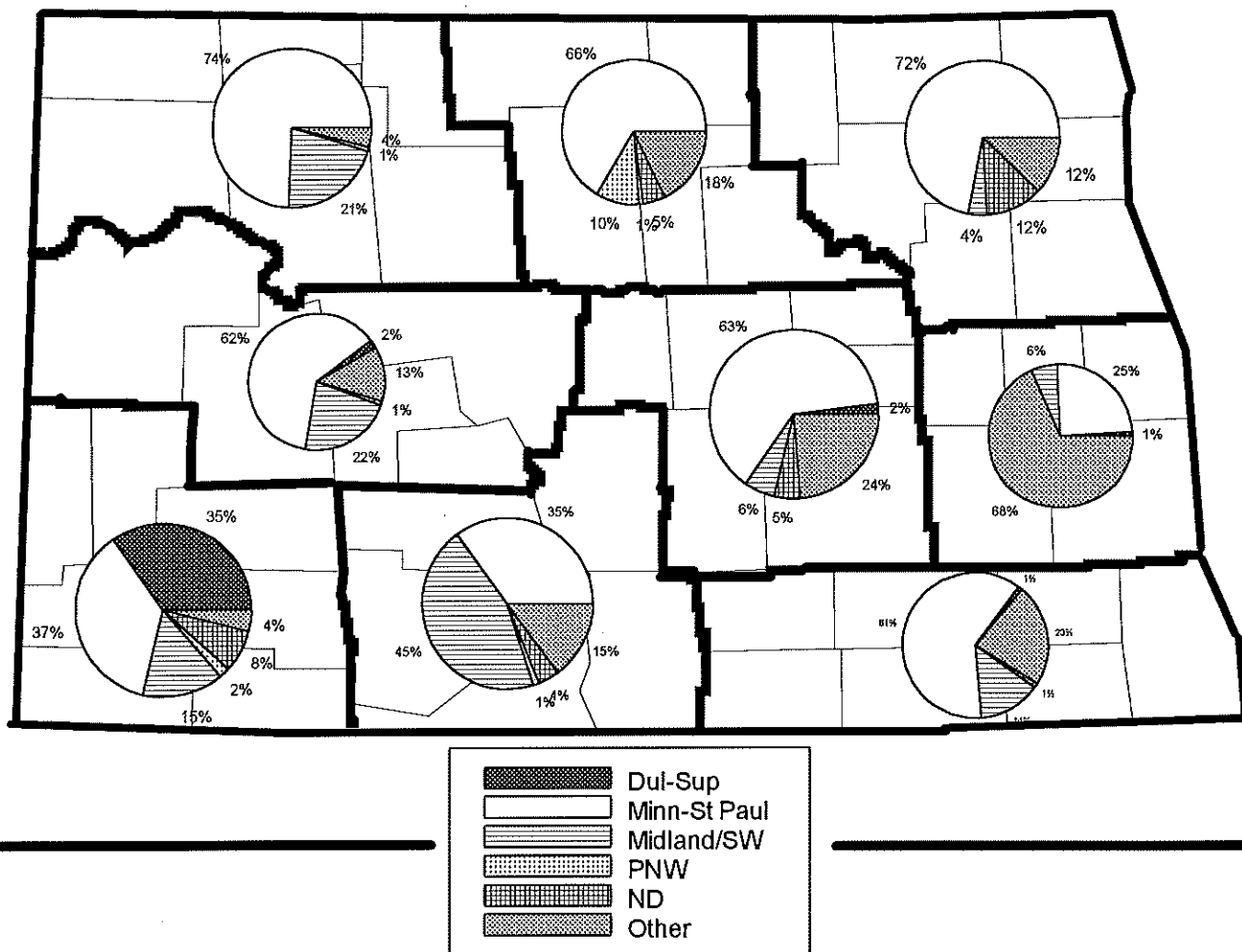


Oats

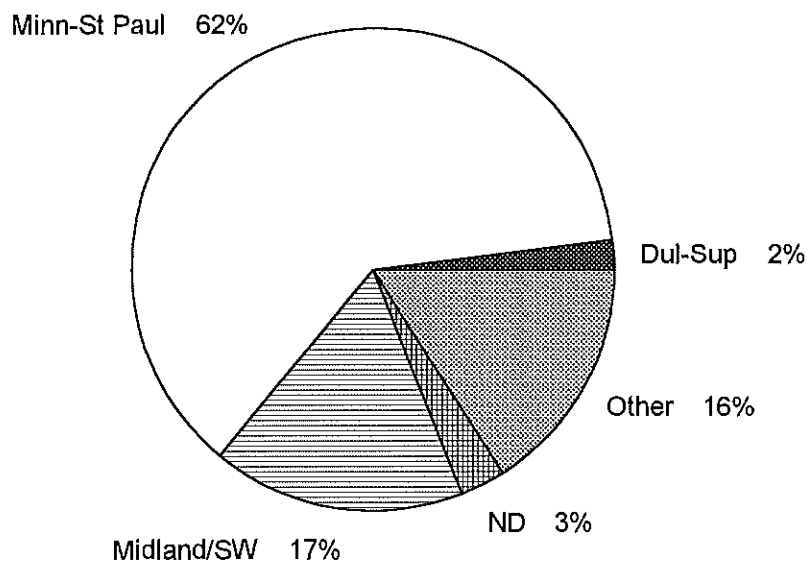
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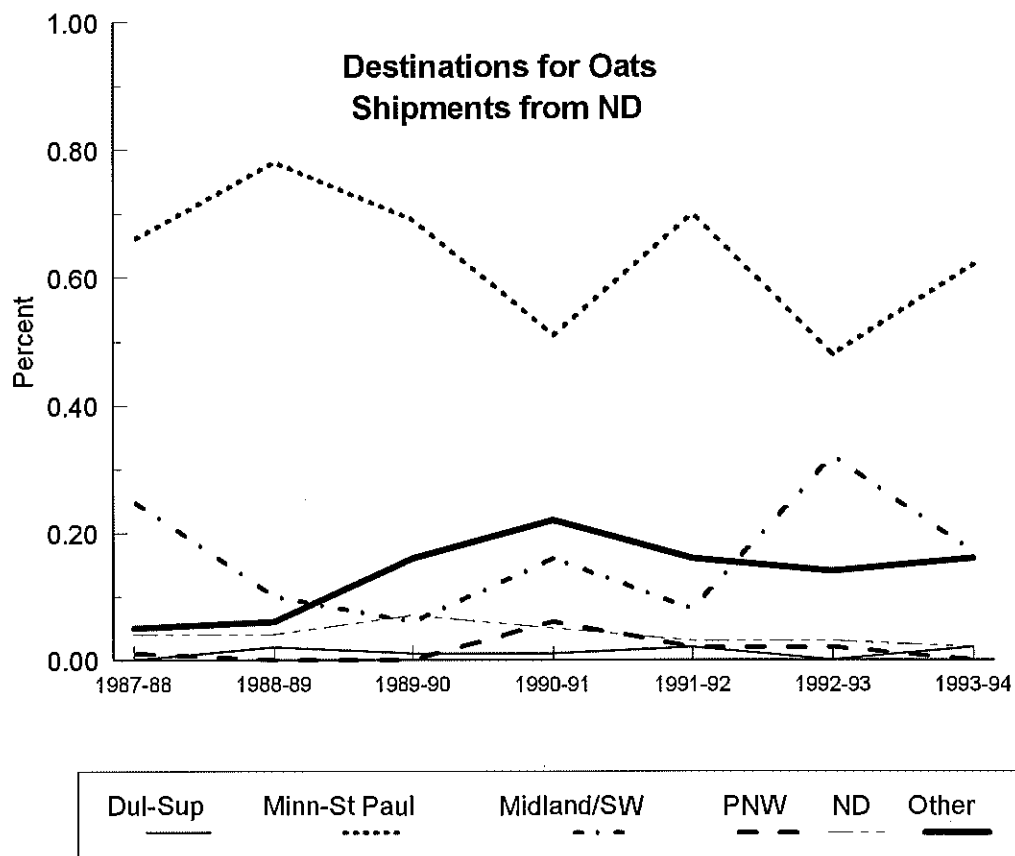
Destinations for Oats Shipments from Each CRD, 1993-94



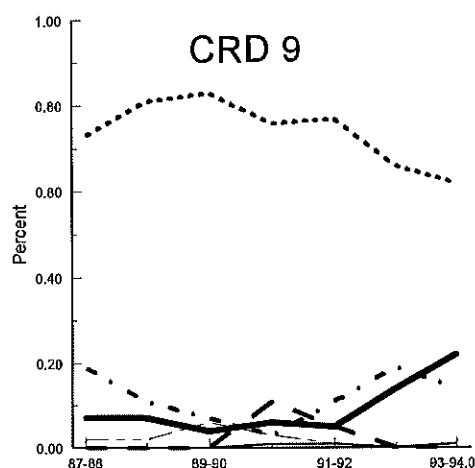
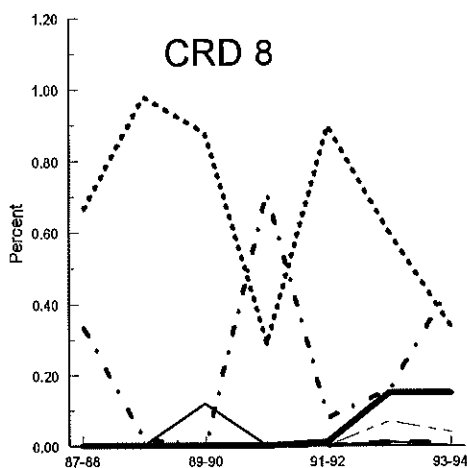
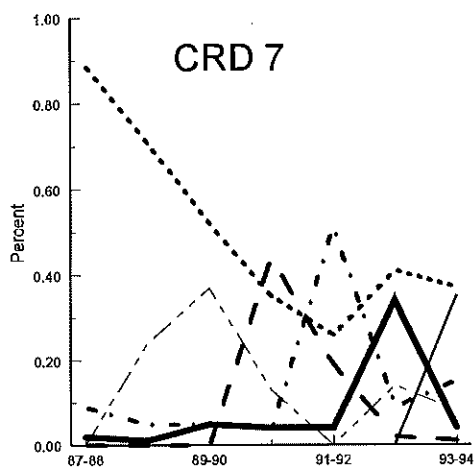
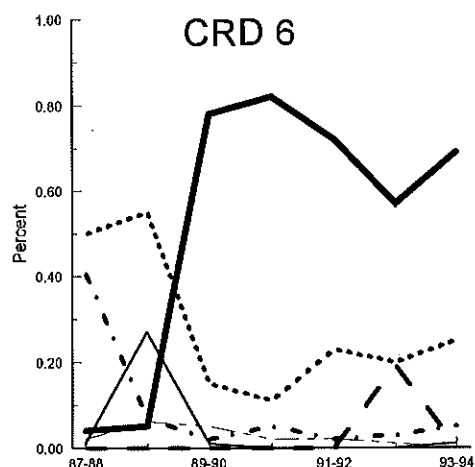
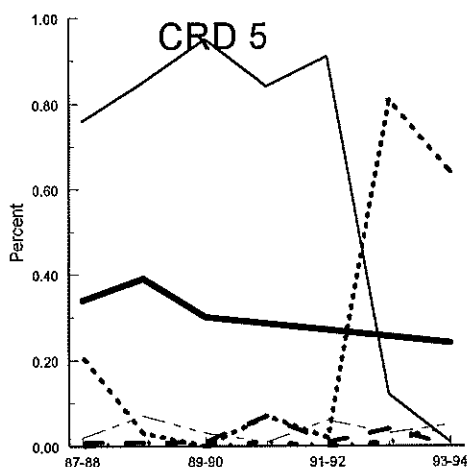
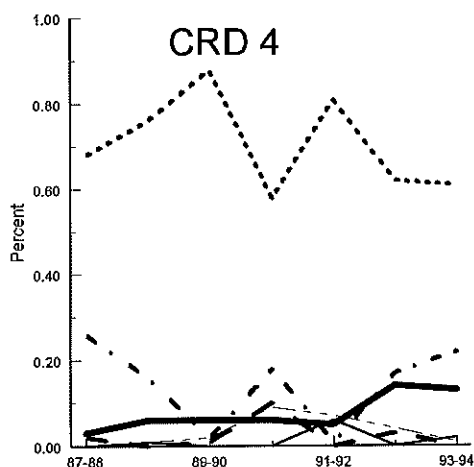
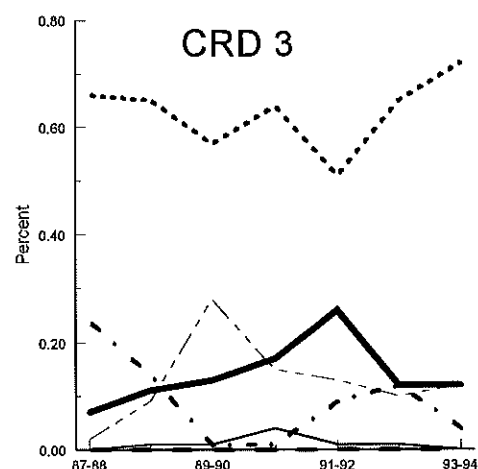
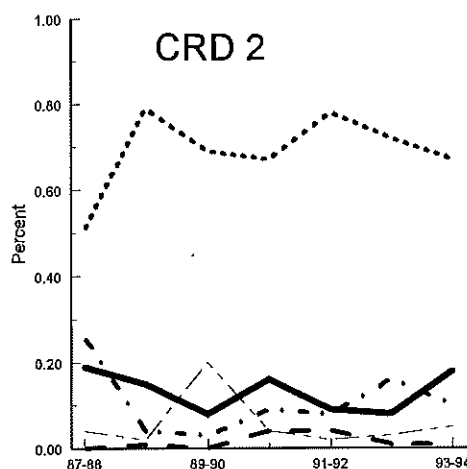
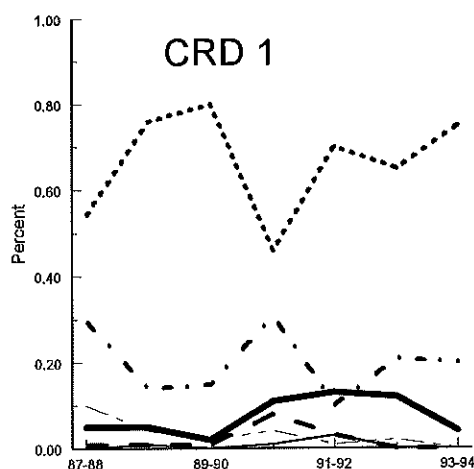
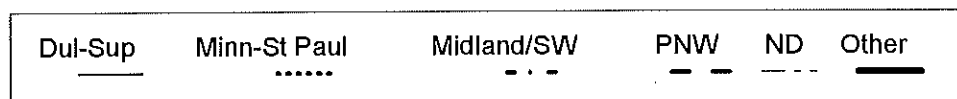
Destinations for Oats Shipments from ND Elevators, 1993-94

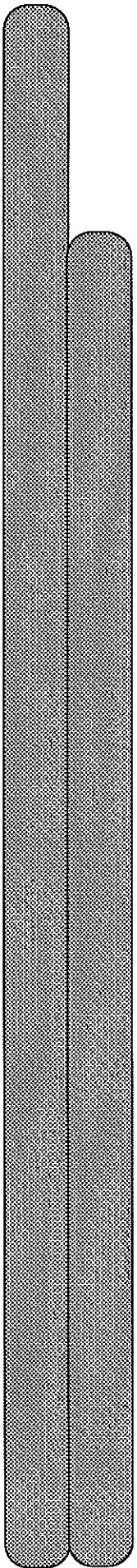


Destinations for Oats Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/ SW	PNW	ND	Other	Total
1988-89	84	3,354	422	17	159	262	4,298
	0.02	0.78	0.10	0.00	0.06	0.05	
1989-90	36	3,466	325	12	362	814	5,015
	0.01	0.69	0.06	0.00	0.16		
1990-91	45	2,858	871	316	295	1,216	5,601
	0.01	0.51	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	
1993-94	206	7,073	1,990	47	289	1,820	11,425
	0.00	0.62	0.17	0.00	0.03	0.16	



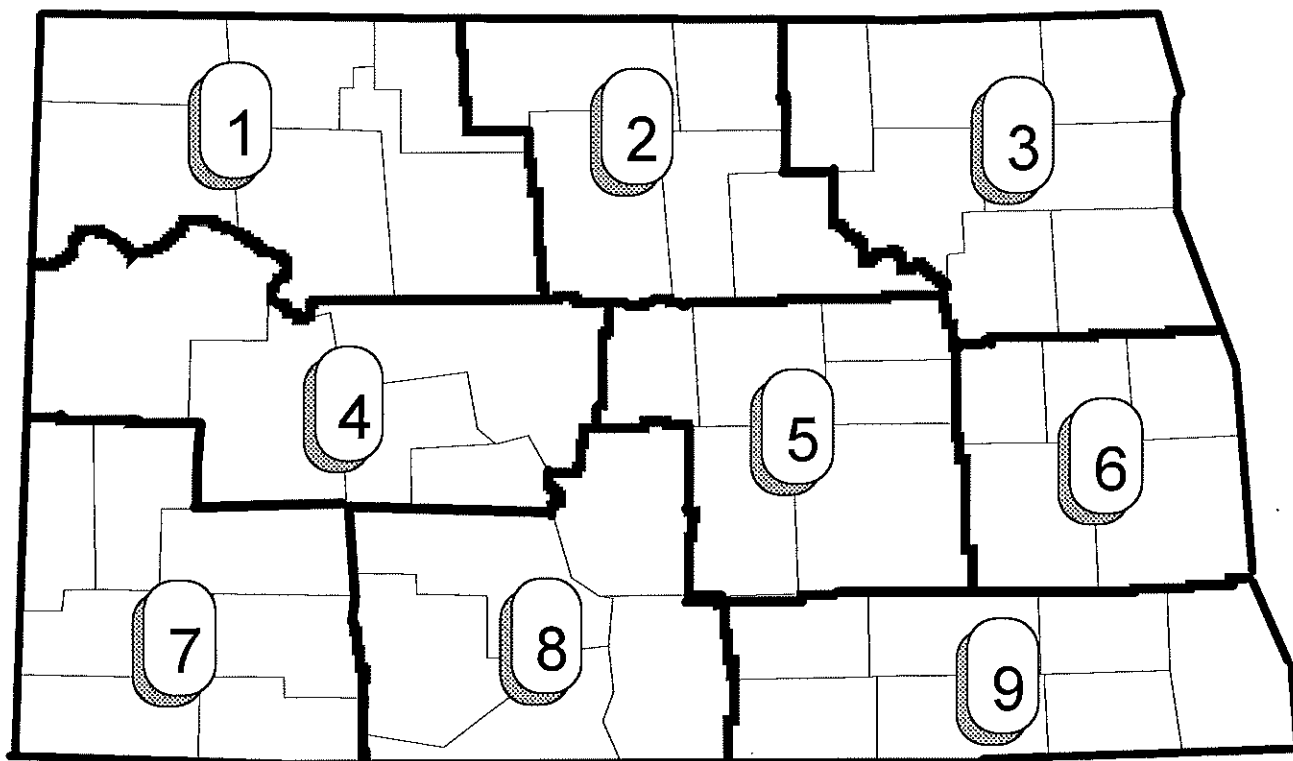
Destinations for Oats Shipments from ND CRDs





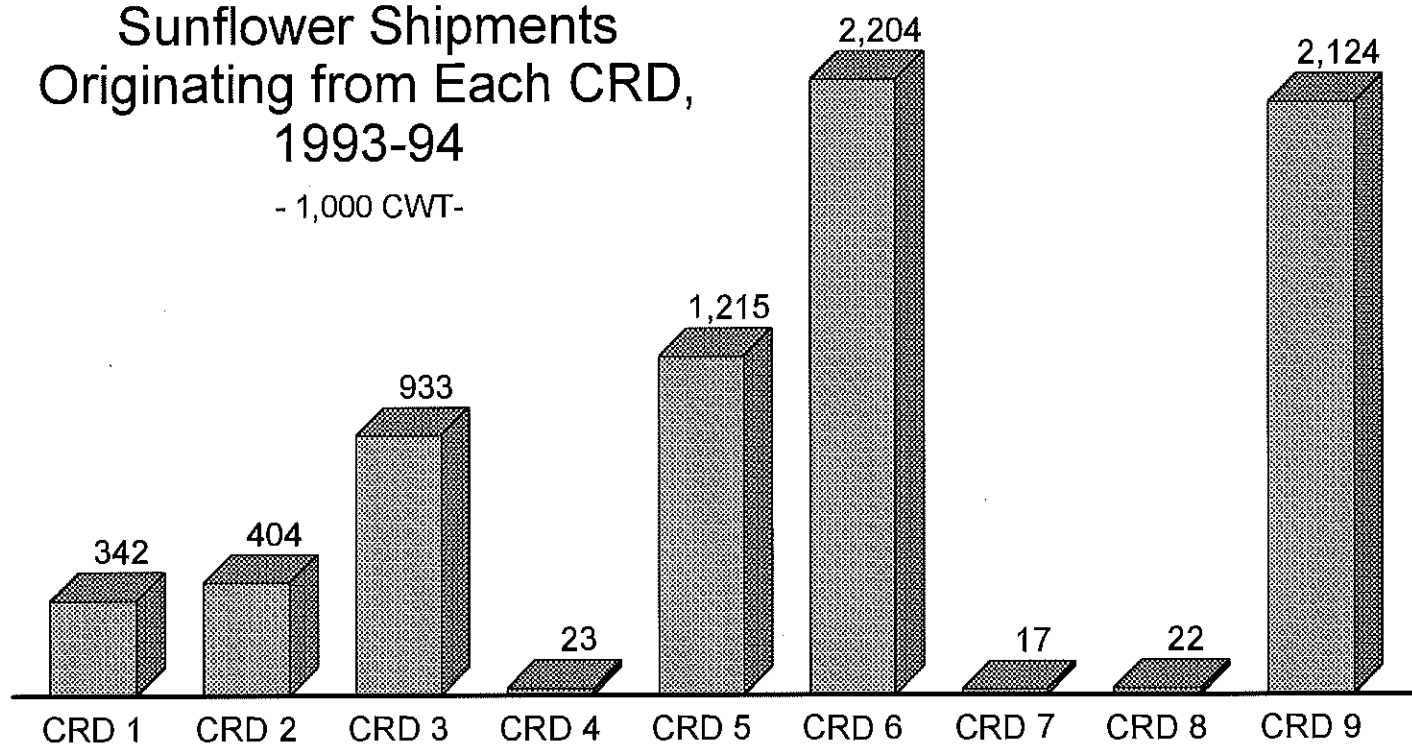
Sunflowers

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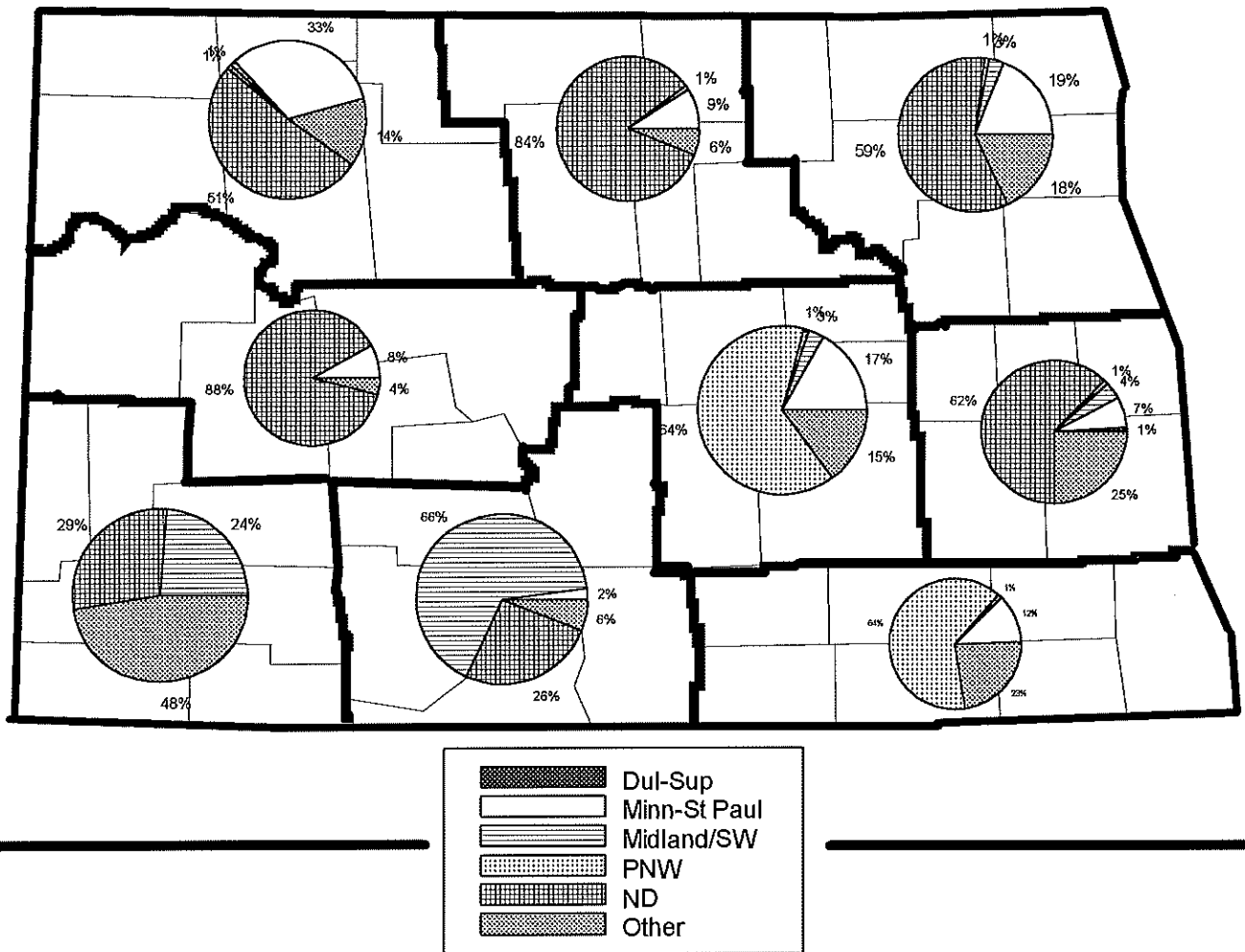


Sunflower Shipments Originating from Each CRD, 1993-94

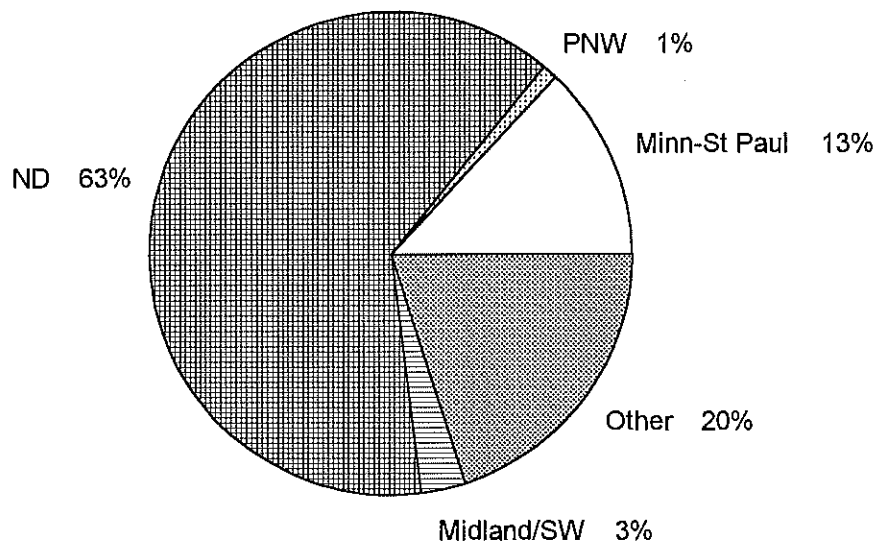
- 1,000 CWT-



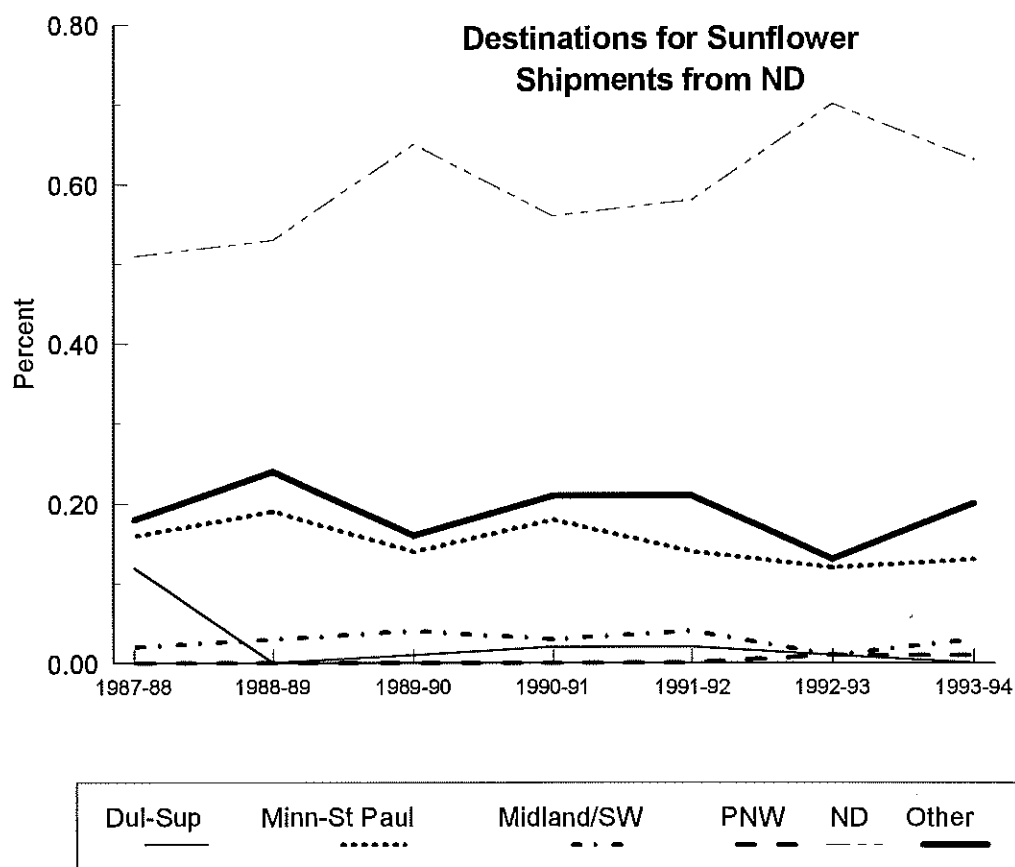
Destinations for Sunflower Shipments from Each CRD, 1993-94



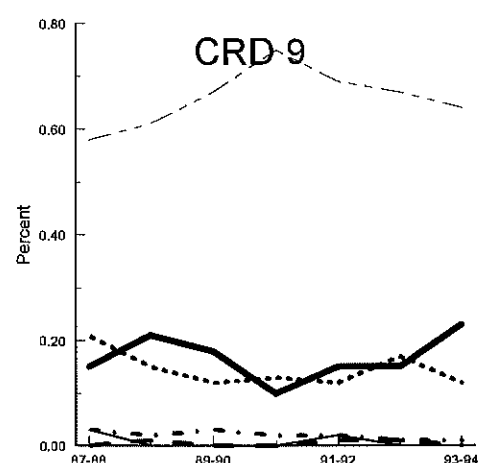
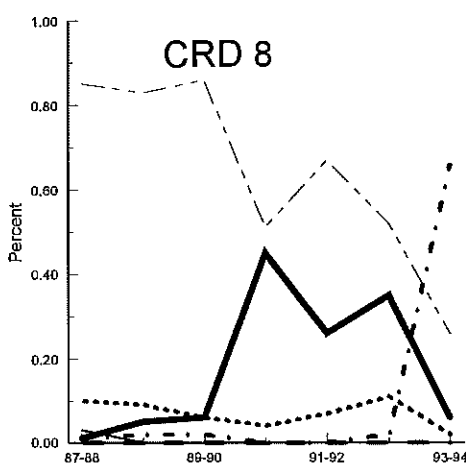
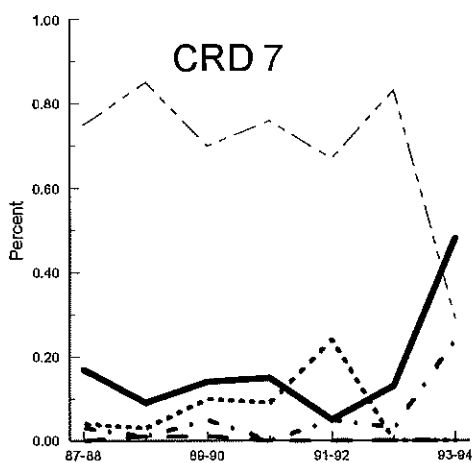
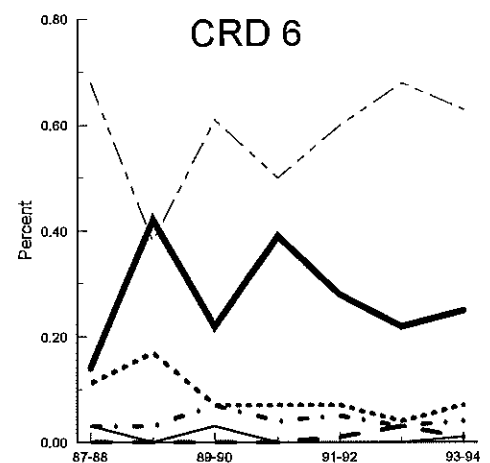
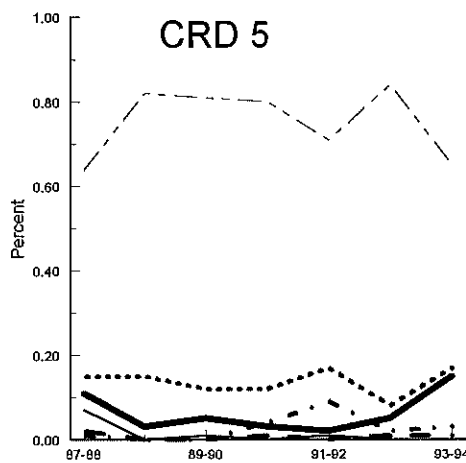
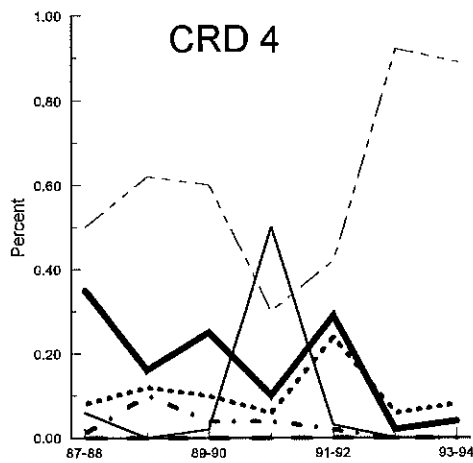
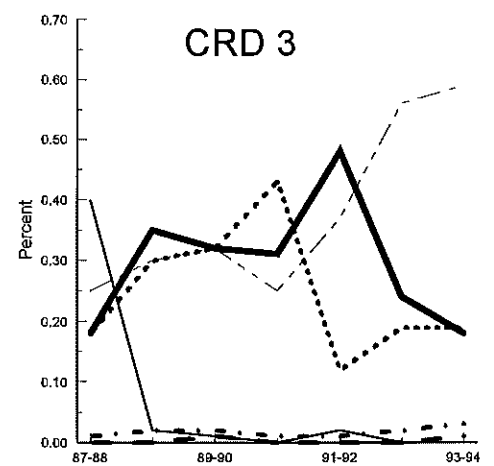
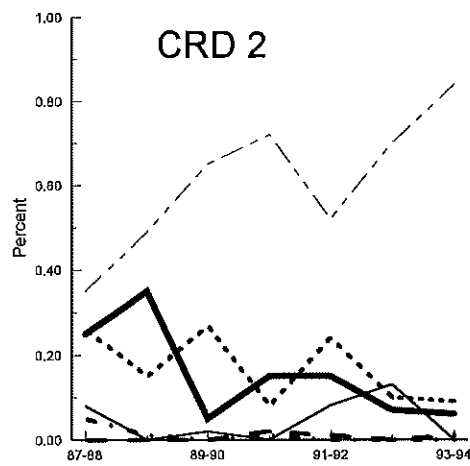
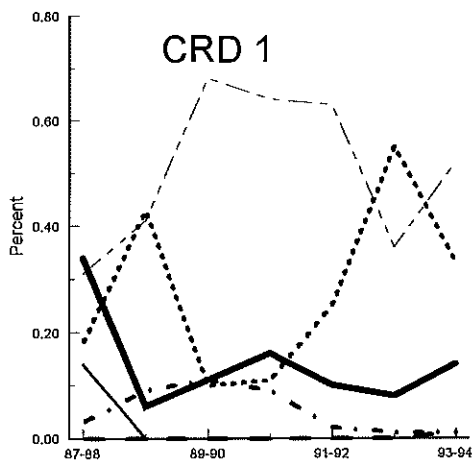
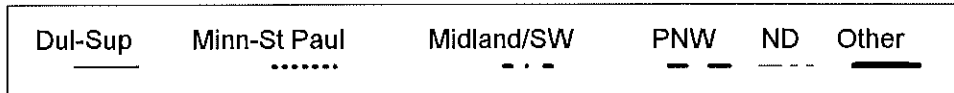
Destinations for Sunflower Shipments from Elevators, 1993-94

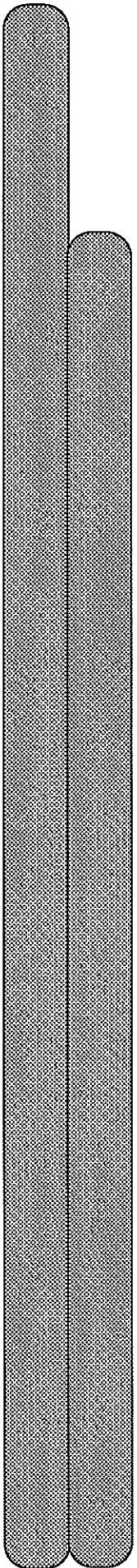


Destinations for Sunflower Shipments from ND (1,000 Cwt)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1988-89	29	2,081	317	29	5,834	2,646	10,936
	0.00	0.03	0.00	0.24	0.51	0.18	
1989-90	121	1,258	334	21	5,870	1,404	9,008
	0.01	0.14	0.04	0.00	0.16		
1990-91	201	1,828	301	41	5,843	2,171	10,385
	0.02	0.18	0.03	0.00	0.21		
1991-92	325	2,285	596	64	9,364	3,432	16,066
	0.02	0.14	0.04	0.00	0.21		
1992-93	237	2,288	274	270	13,176	2,505	18,750
	0.01	0.12	0.01	0.01	0.70	0.13	
1993-94	11	931	202	43	4,622	1,476	7,285
	0.00	0.13	0.03	0.01	0.63	0.20	



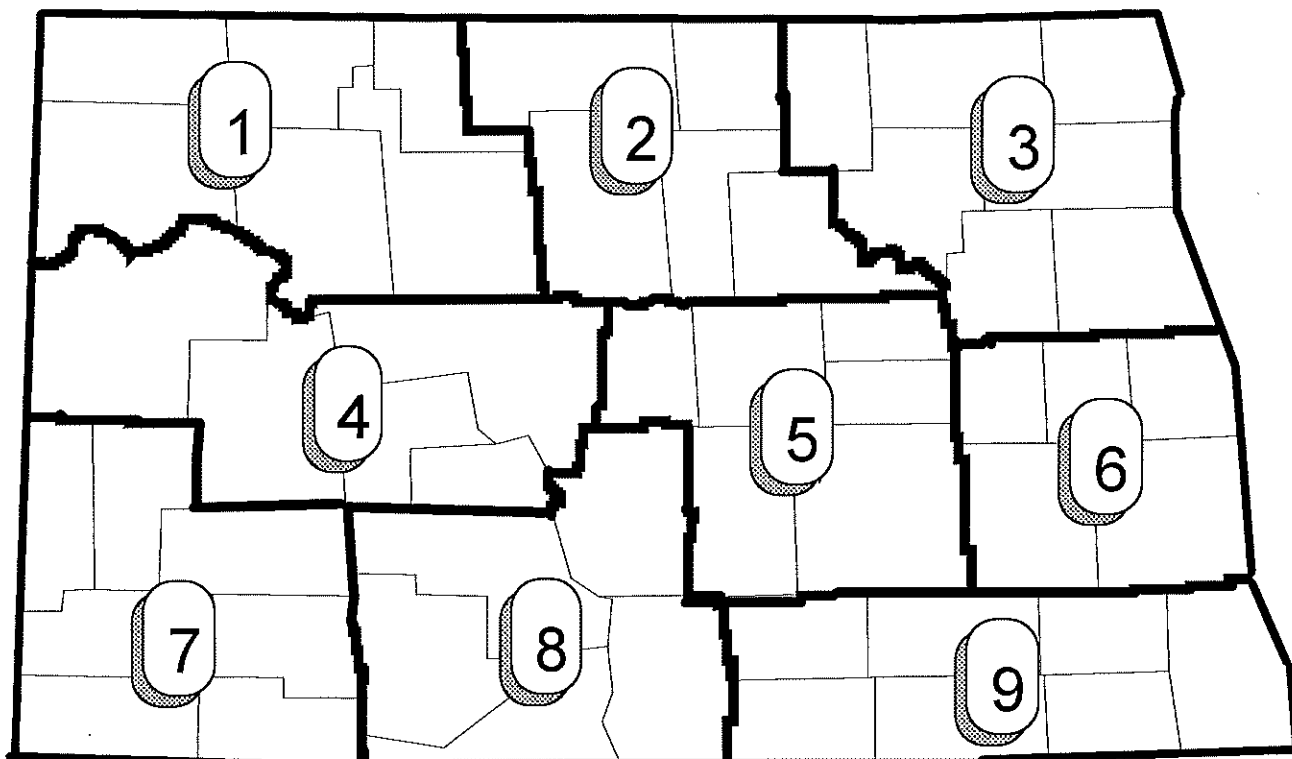
Destinations for Sunflower Shipments from ND CRDs





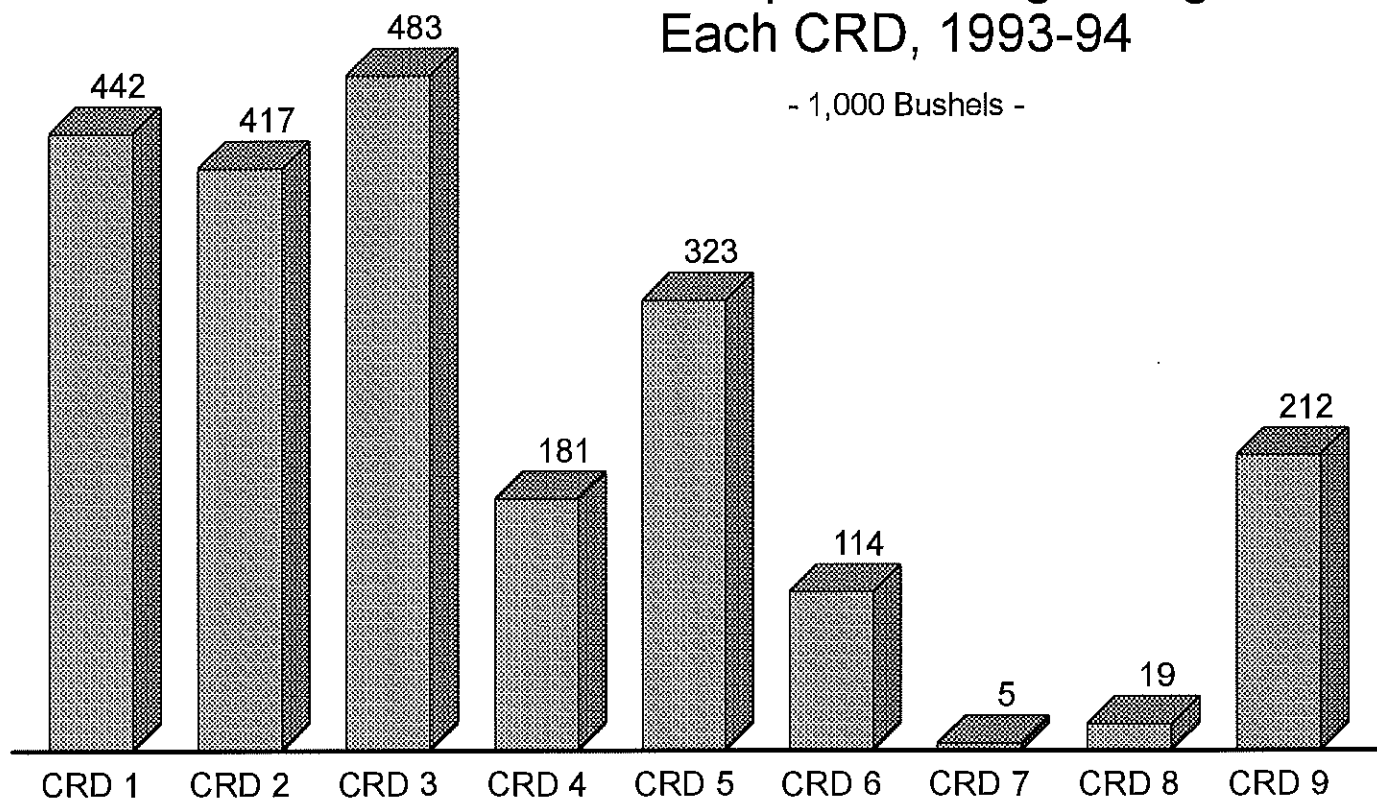
Flaxseed

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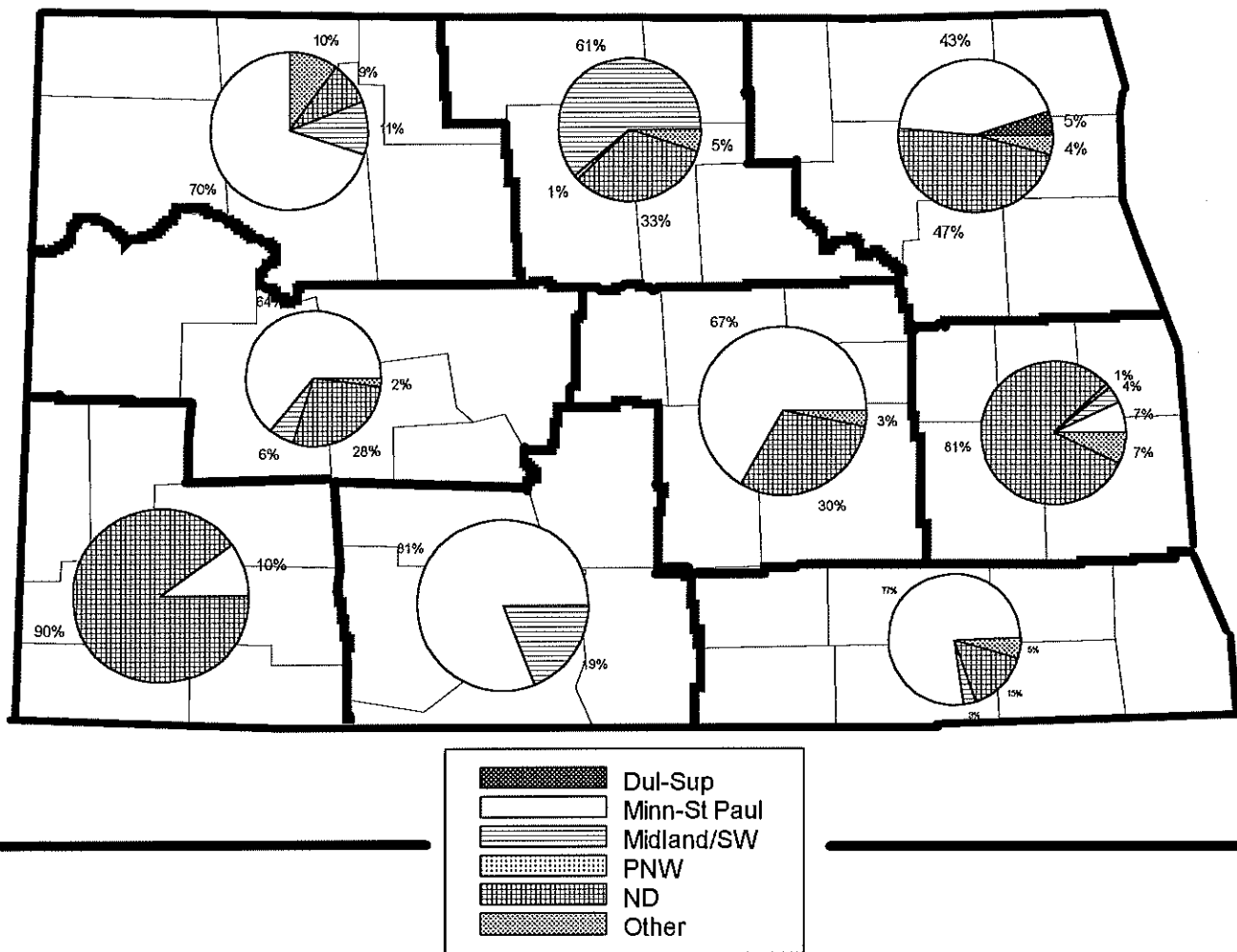


Flaxseed Shipments Originating from Each CRD, 1993-94

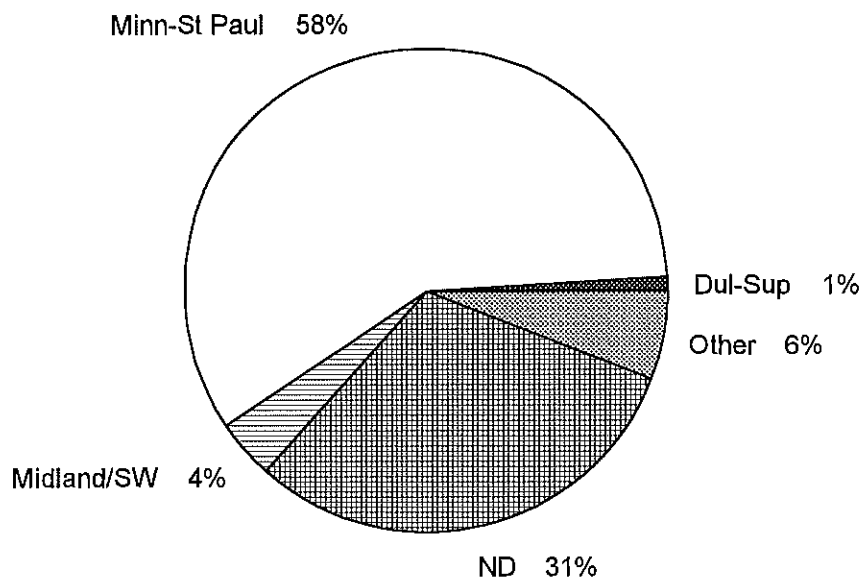
- 1,000 Bushels -



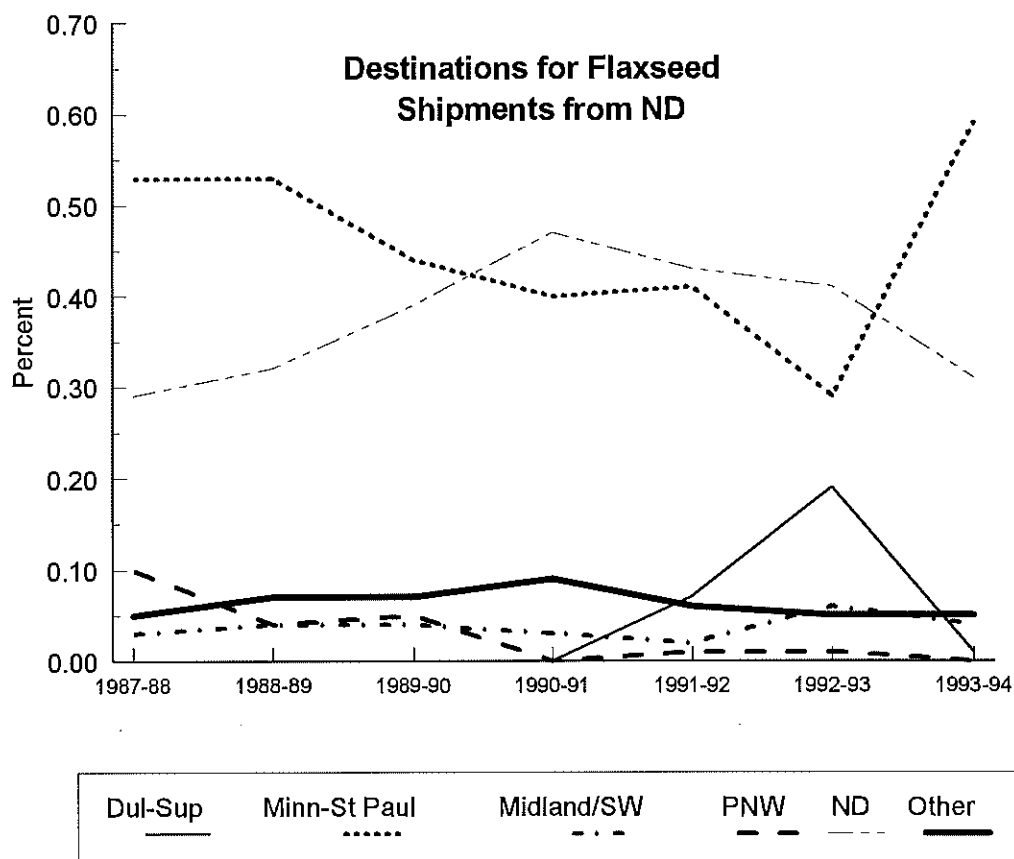
Destinations for Flaxseed Shipments from Each CRD, 1993-94



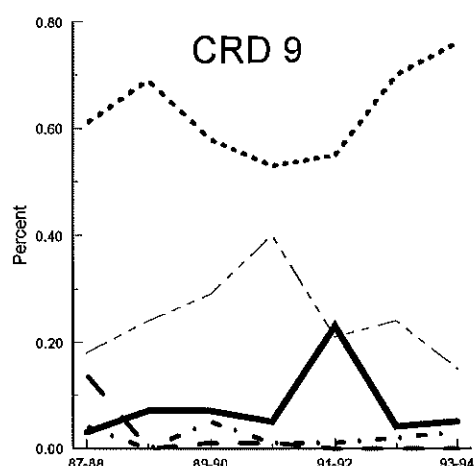
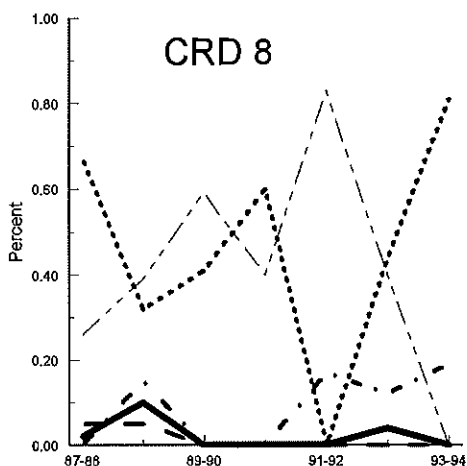
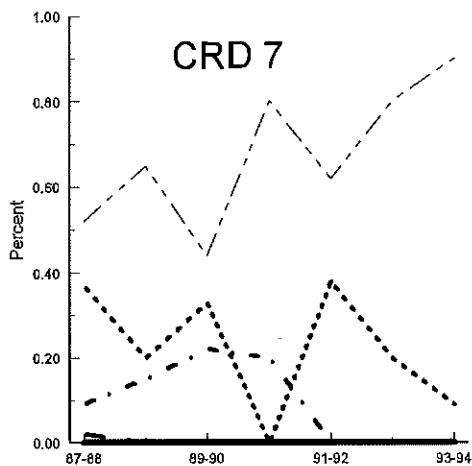
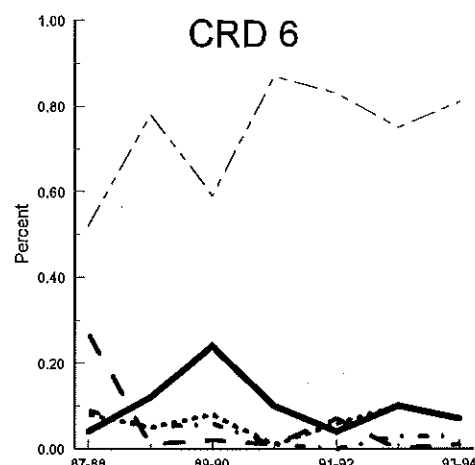
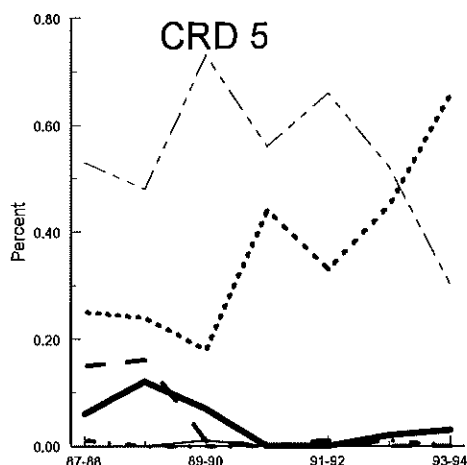
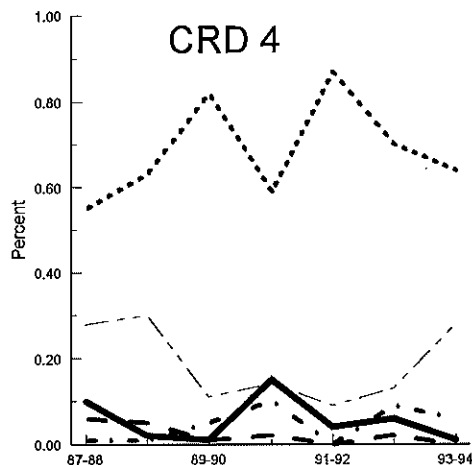
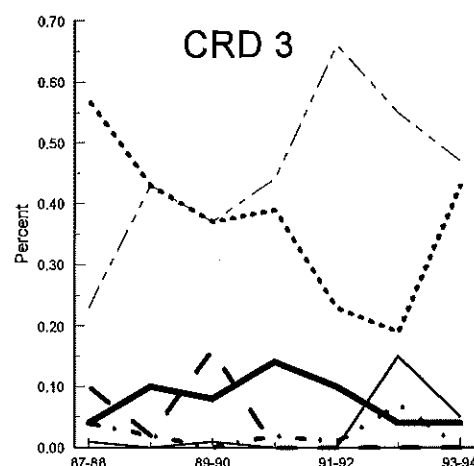
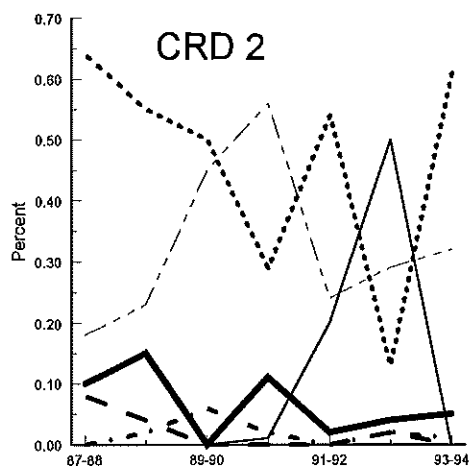
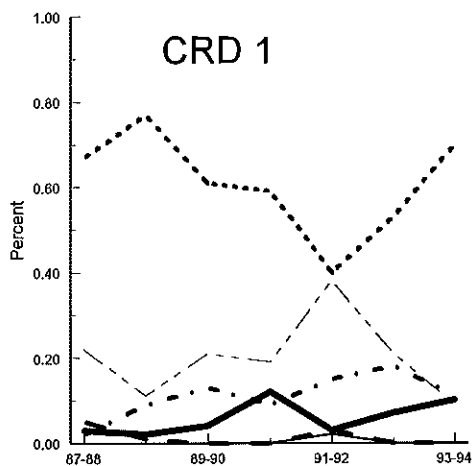
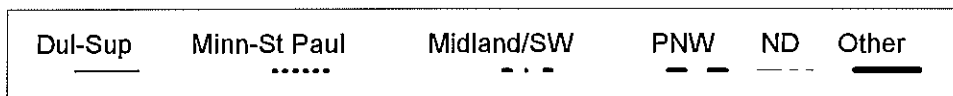
Destinations for Flaxseed Shipments from Elevators, 1993-94

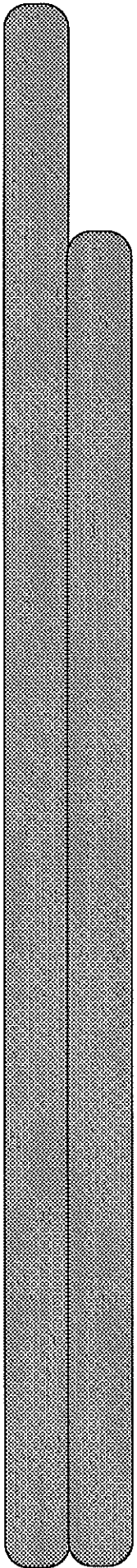


Destinations for Flaxseed Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1988-89	1	1,064	75	73	650	151	2,014
	0.00	0.53	0.04	0.04	0.32	0.07	
1989-90	4	478	48	51	425	71	1,077
	0.00	0.04	0.05	0.39	0.07	0.63	
1990-91	6	909	69	7	1,068	199	2,258
	0.00	0.03	0.00	0.09	0.63	0.63	
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	
1993-94	25	1,290	80	2	683	12	2,092
	0.01	0.62	0.04	0.00	0.33	0.01	



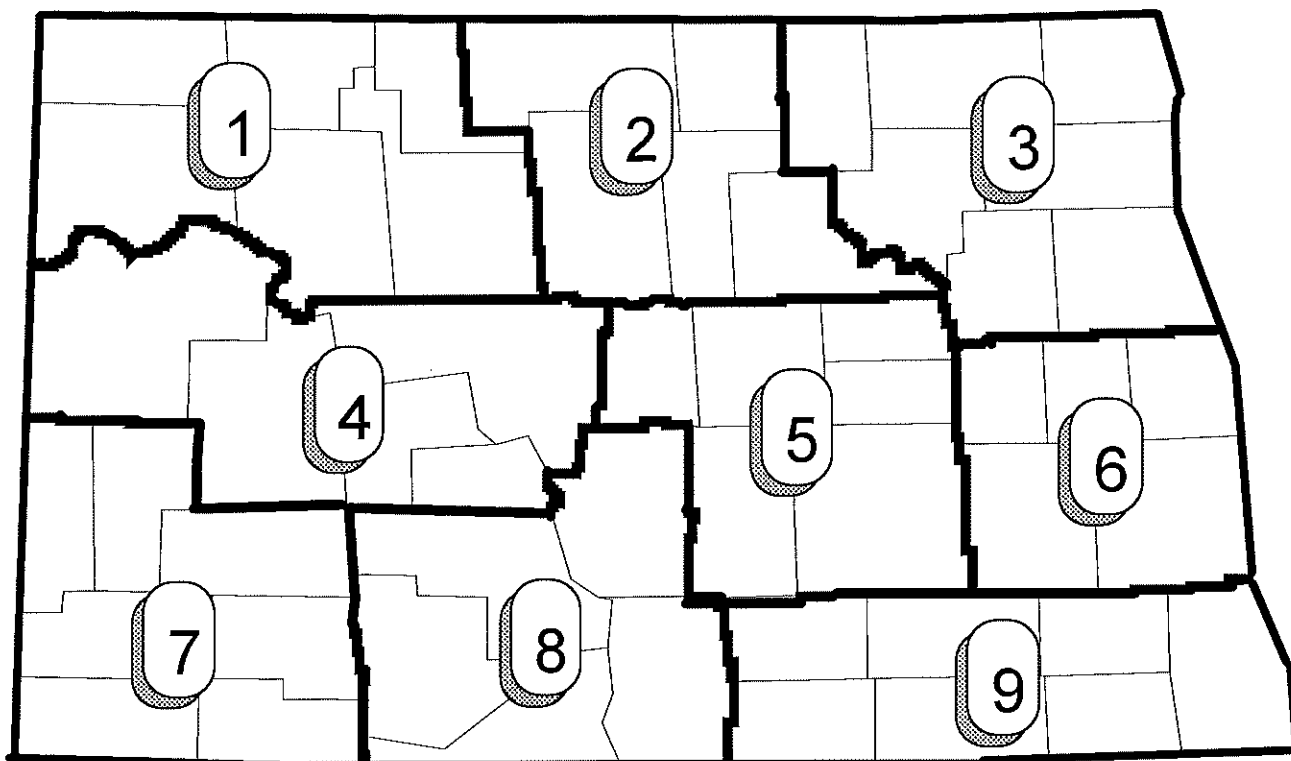
Destinations for Flaxseed Shipments from ND CRDs





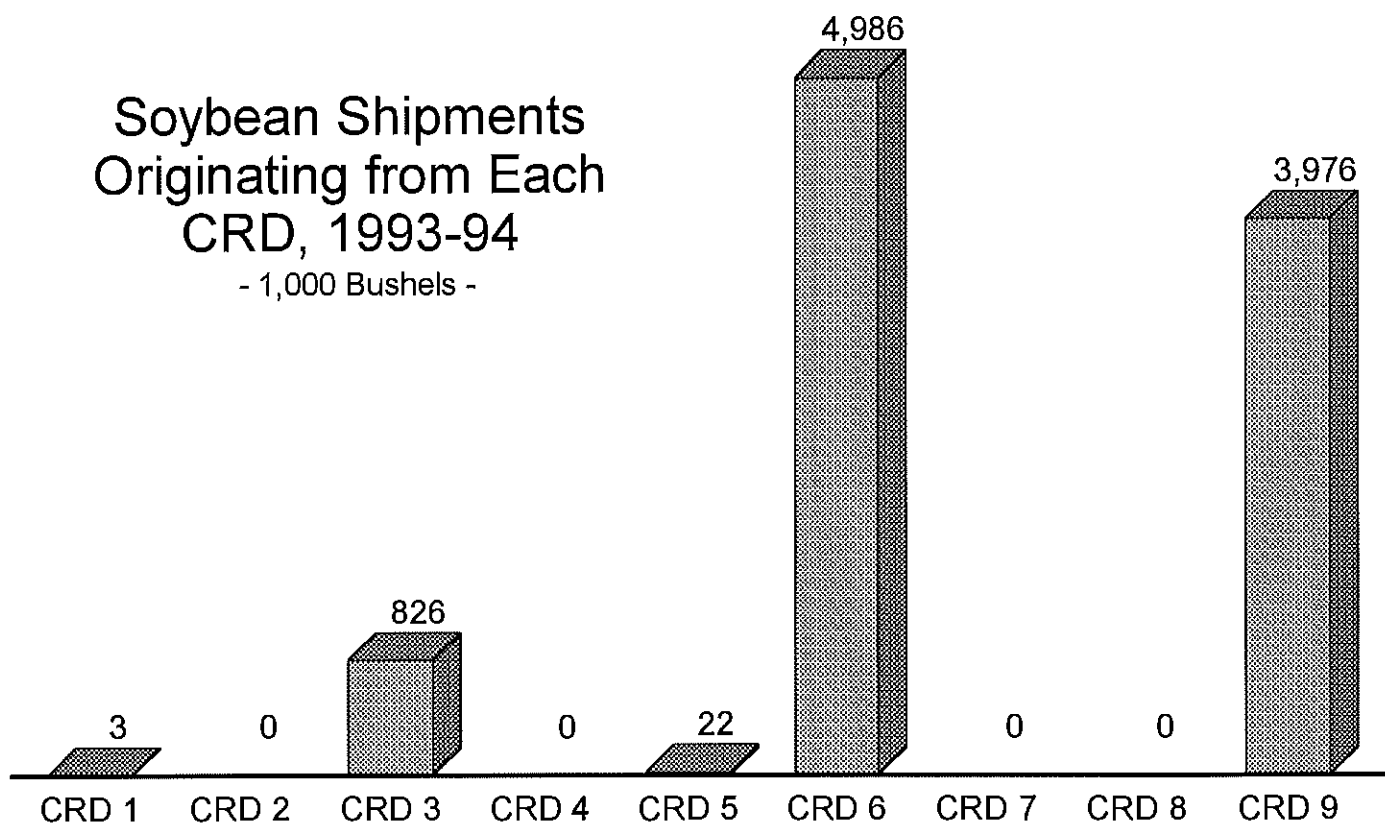
Soybeans

NORTH DAKOTA CROP REPORTING DISTRICTS

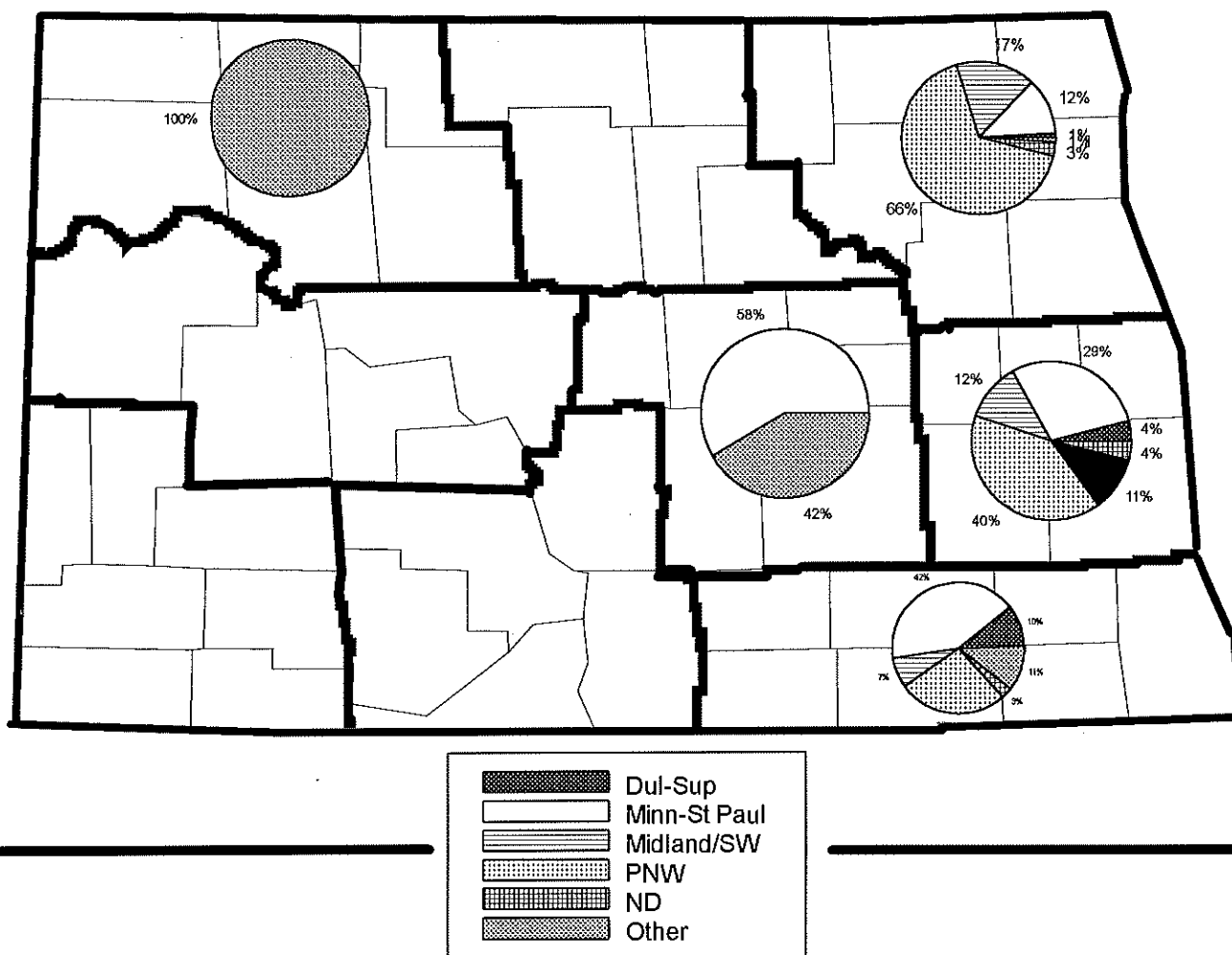


Soybean Shipments Originating from Each CRD, 1993-94

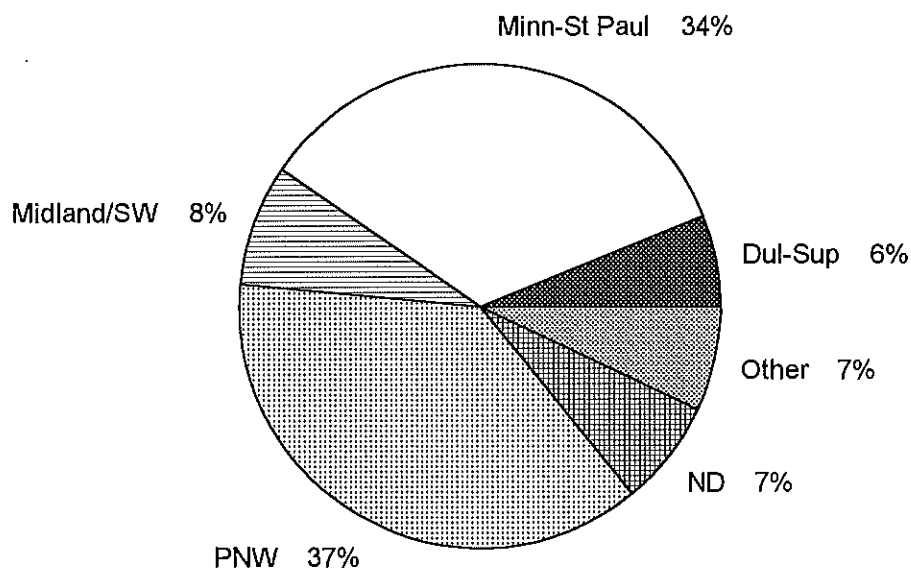
- 1,000 Bushels -



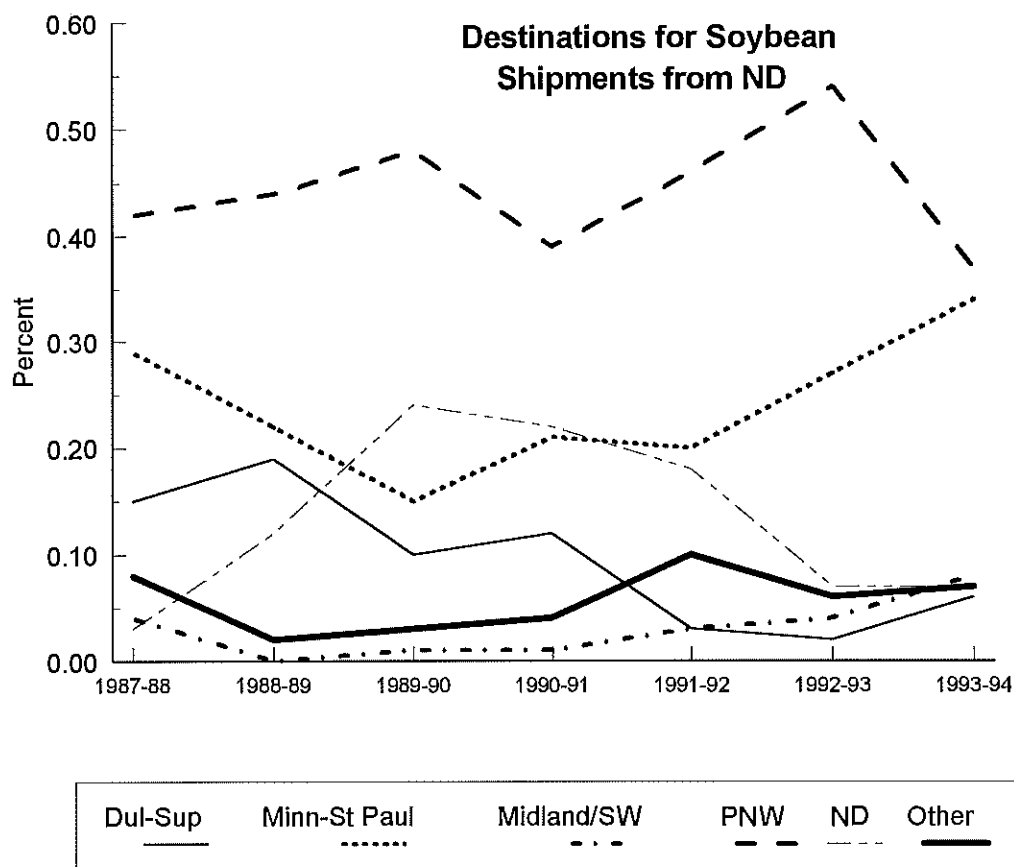
Destinations for Soybean Shipments from Each CRD, 1993-94



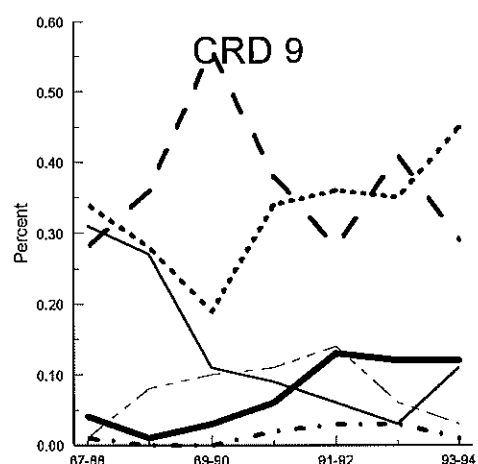
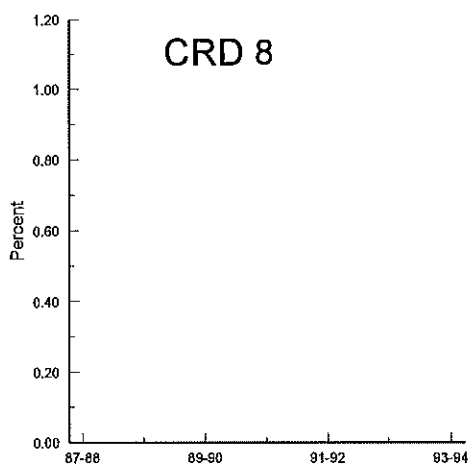
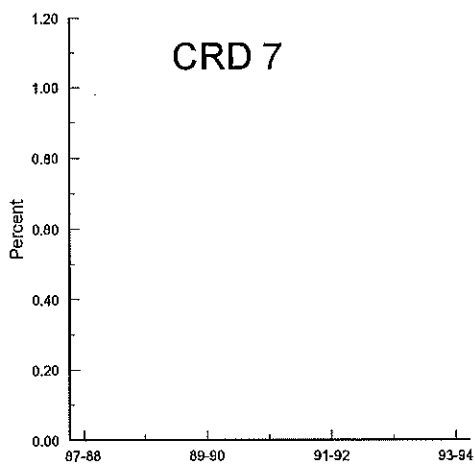
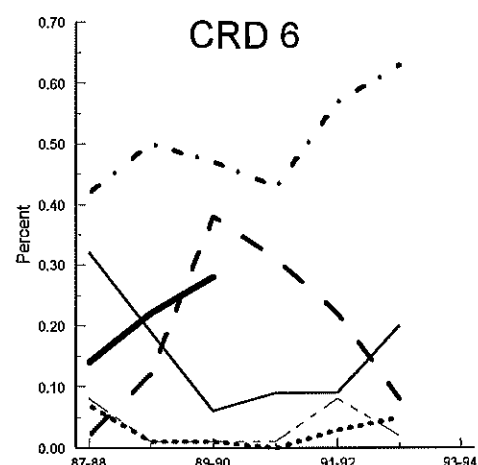
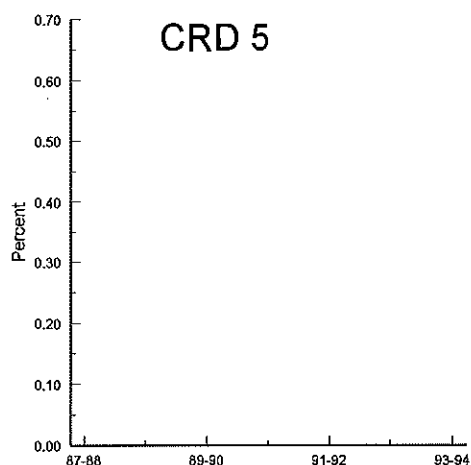
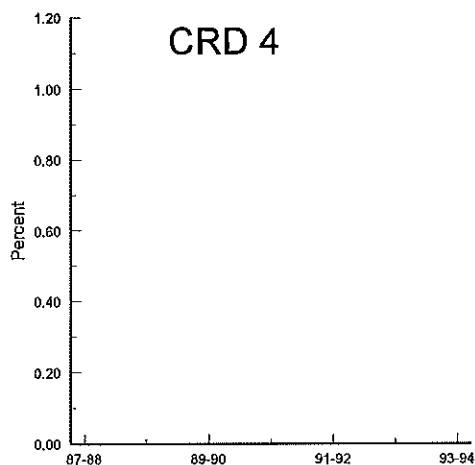
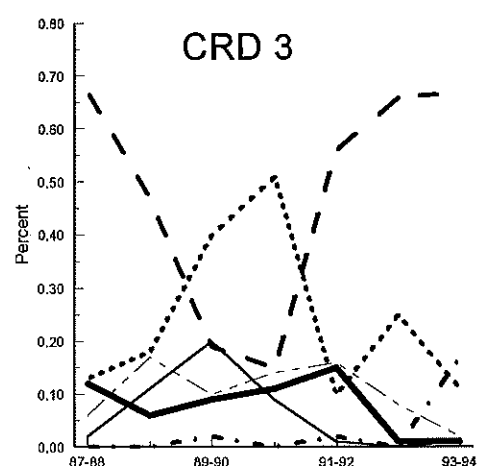
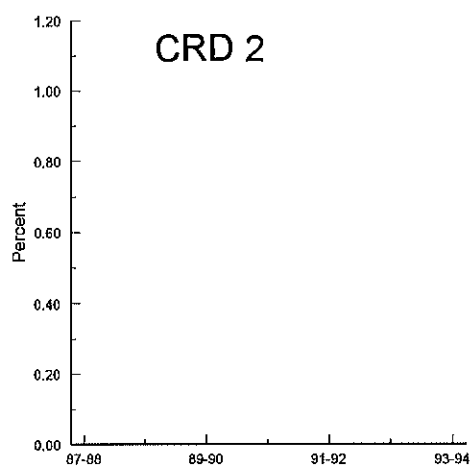
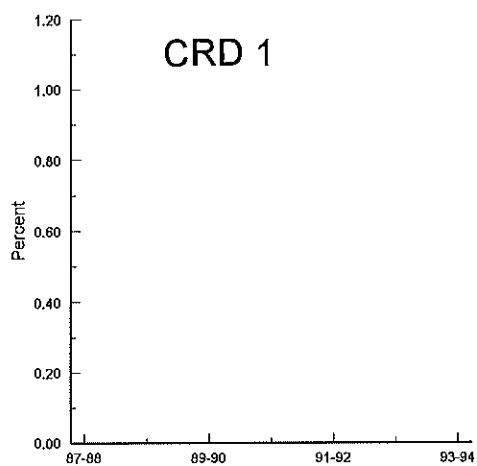
Destinations for Soybean Shipments from Elevators, 1993-94

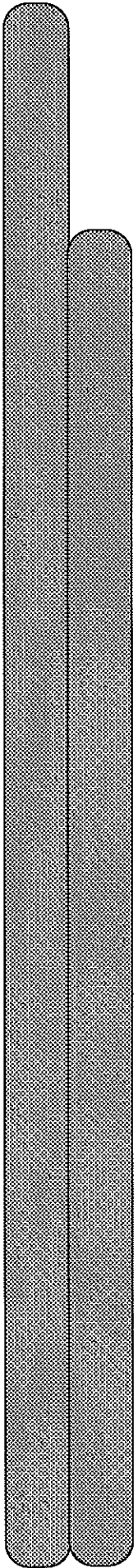


Destinations for Soybean Shipments from ND (1,000 Cwt)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1988-89	2,347	2,694	52	5,376	1,445	246	12,160
	0.19	0.22	0.00	0.44	0.12	0.02	
1989-90	1,379	2,131	111	6,712	3,304	379	14,016
	0.10	0.15	0.01	0.48	0.24	0.03	
1990-91	1,268	2,189	81	4,001	2,285	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	
1993-94	182	1,057	5,718	305	268	5,508	13,038
	0.01	0.08	0.44	0.02	0.02	0.42	



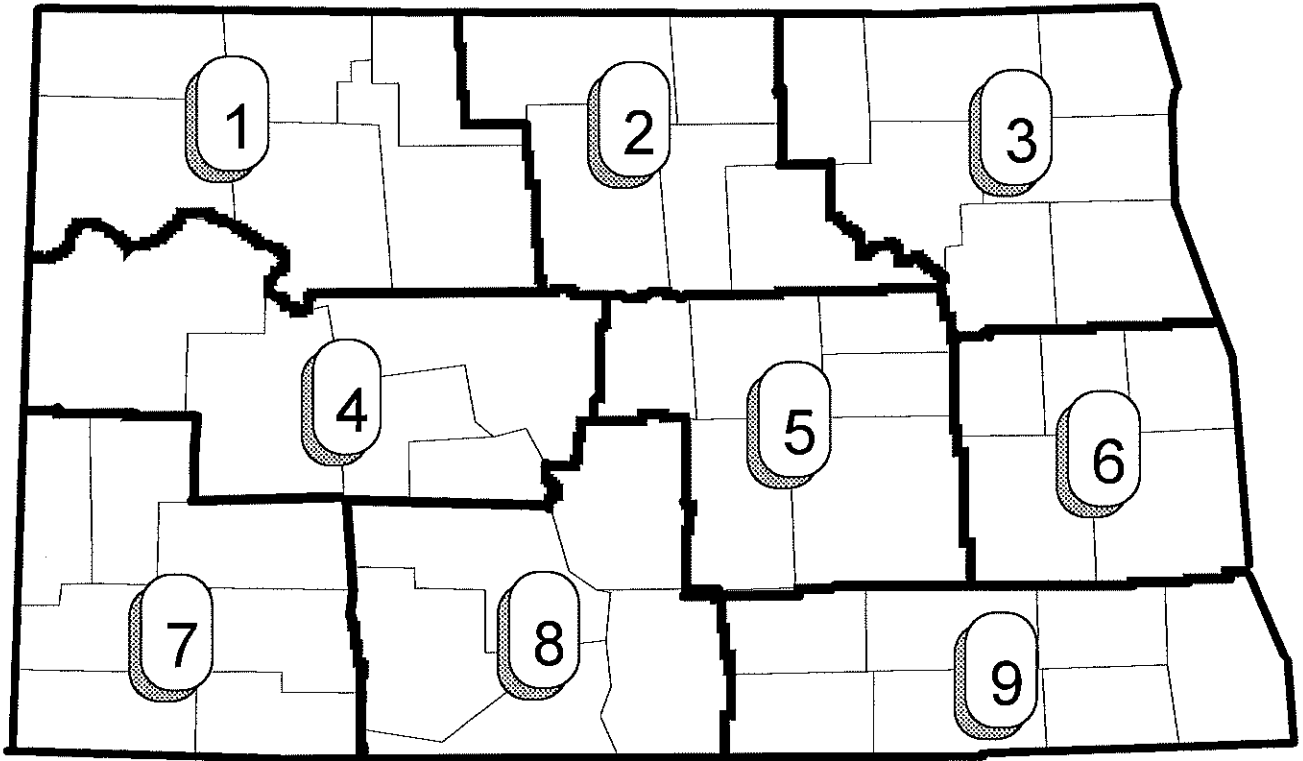
Destinations for Soybean Shipments from ND CRDs



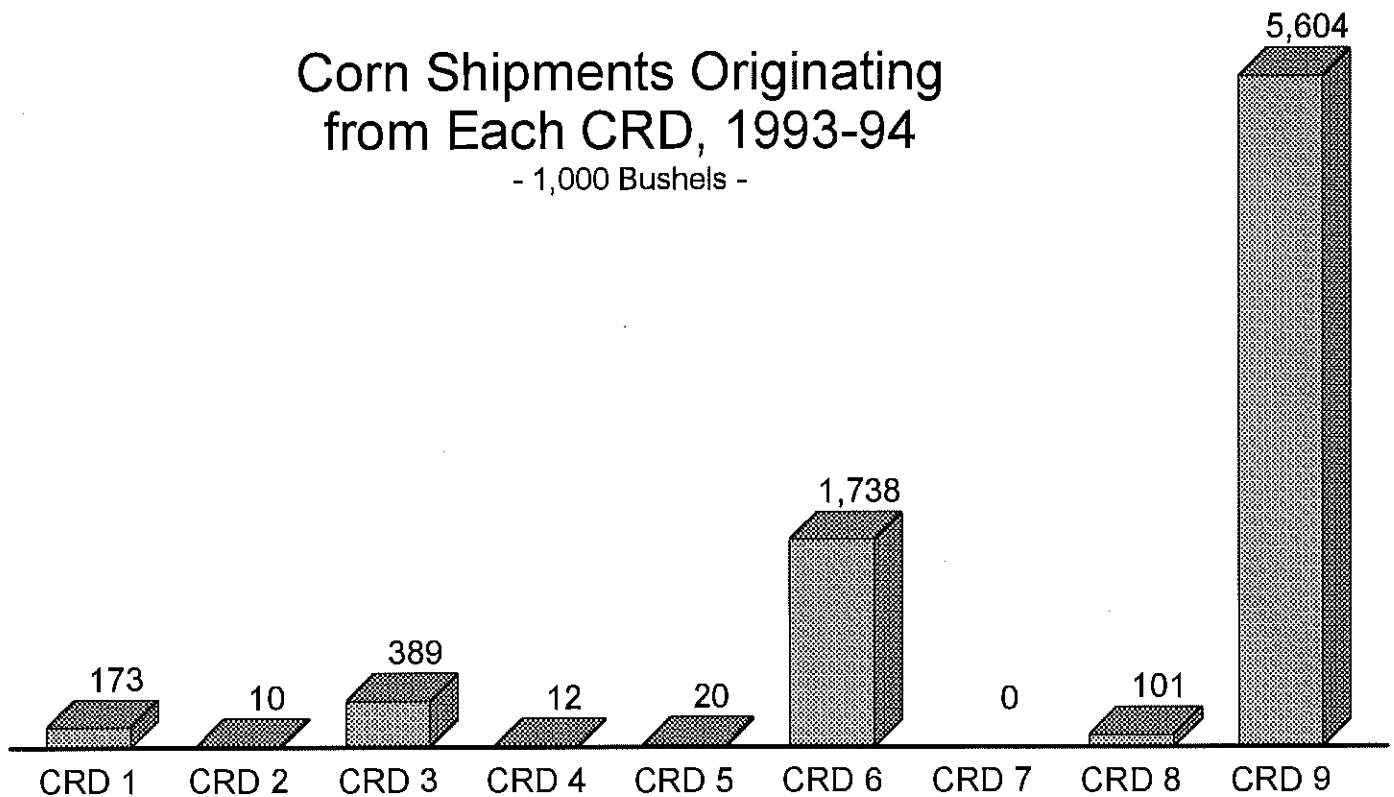


Corn

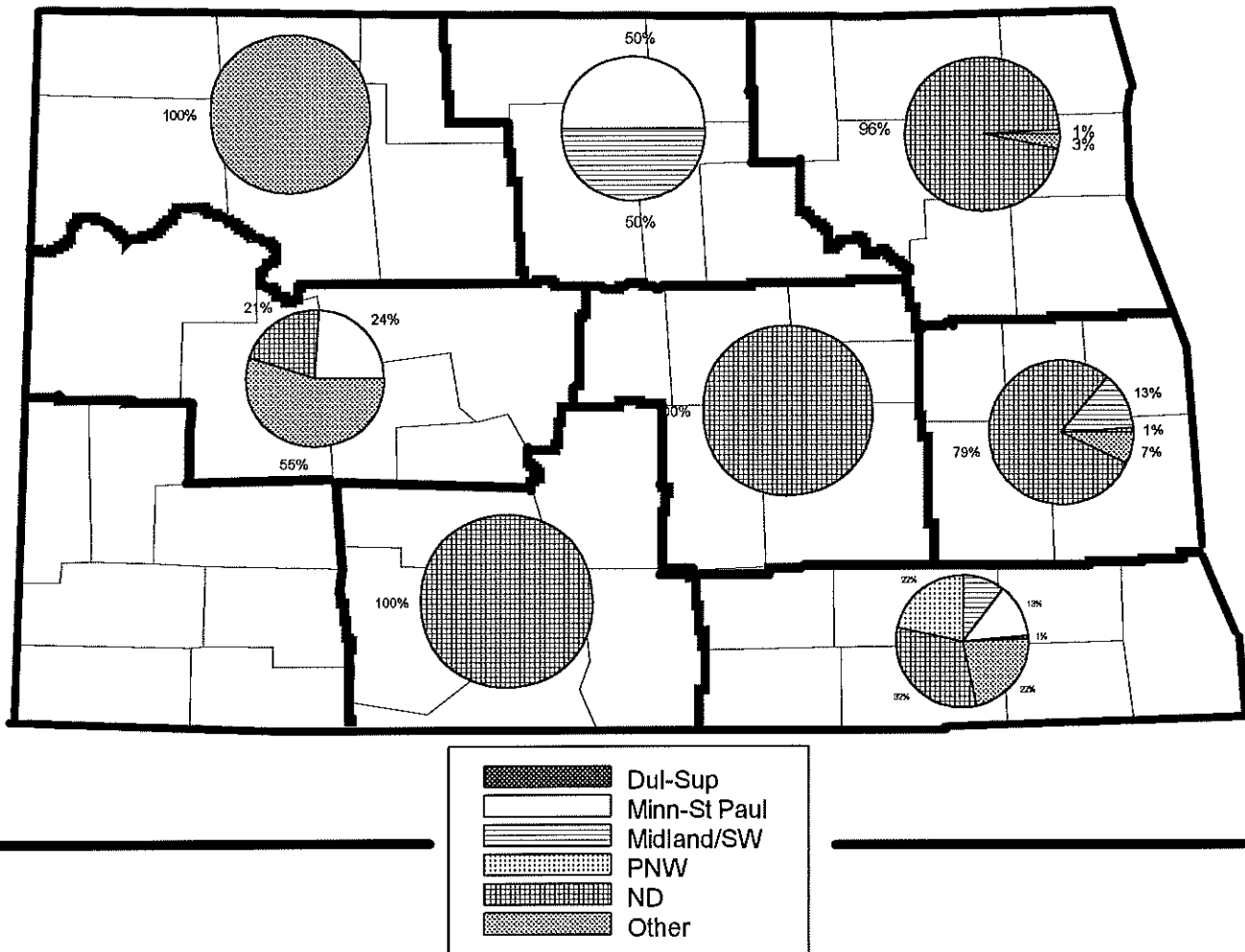
NORTH DAKOTA CROP REPORTING DISTRICTS



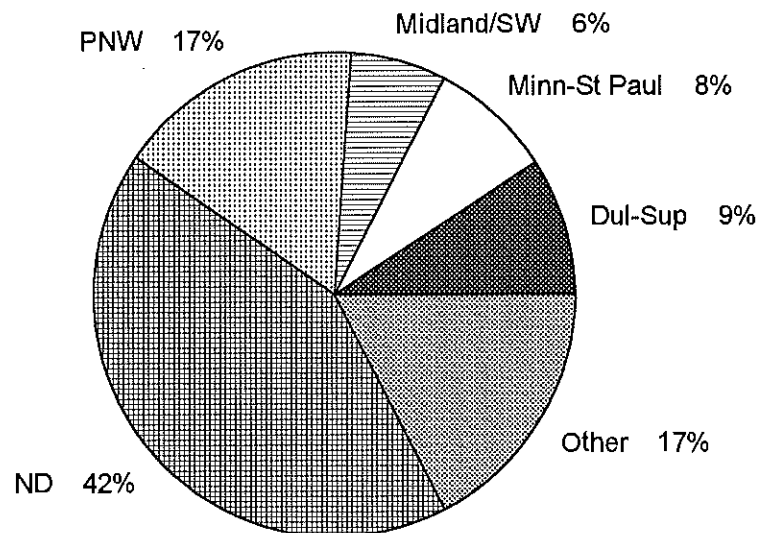
Corn Shipments Originating
from Each CRD, 1993-94
- 1,000 Bushels -



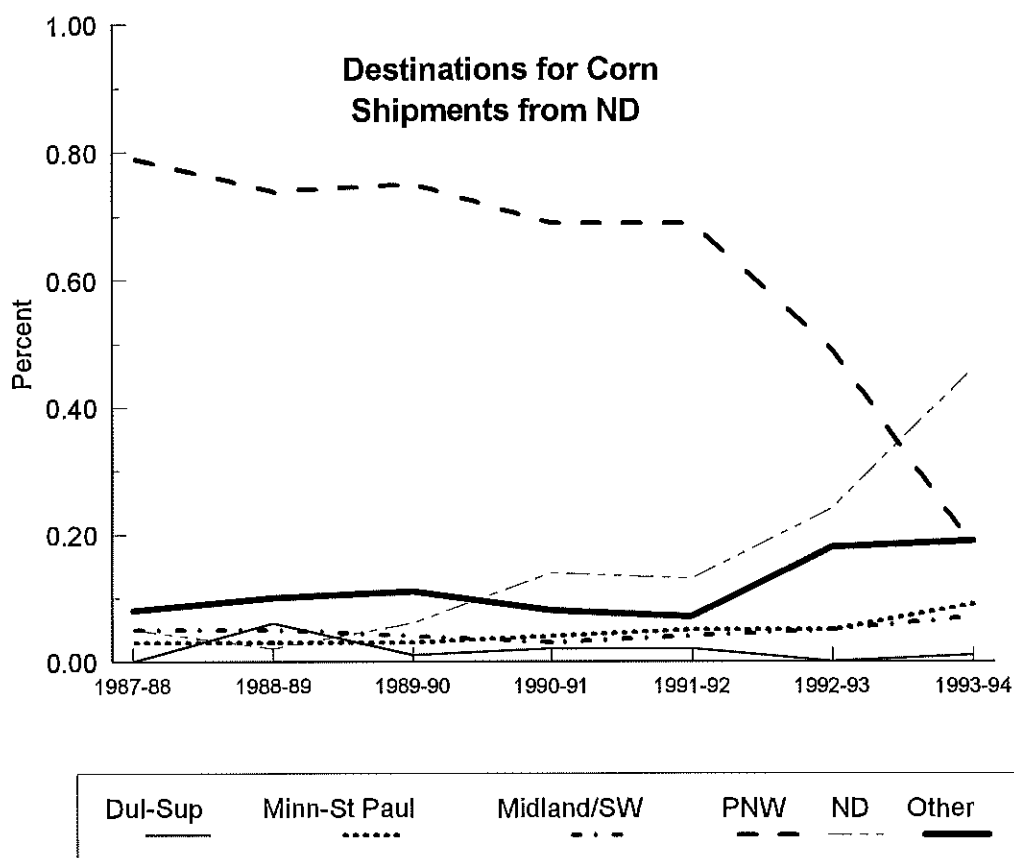
Destinations for Corn Shipments from Each CRD, 1993-94



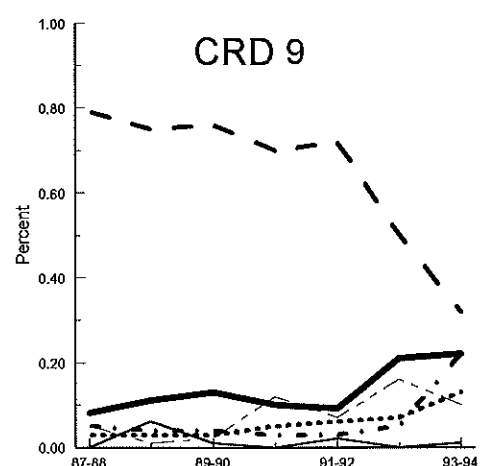
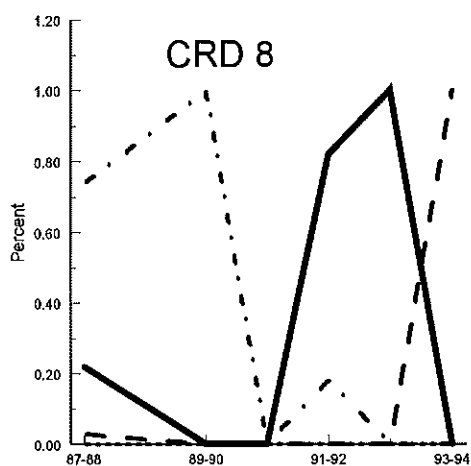
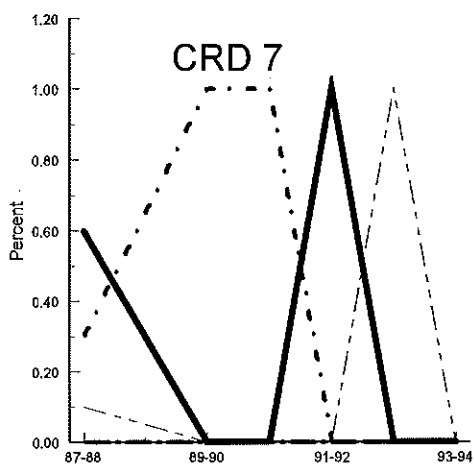
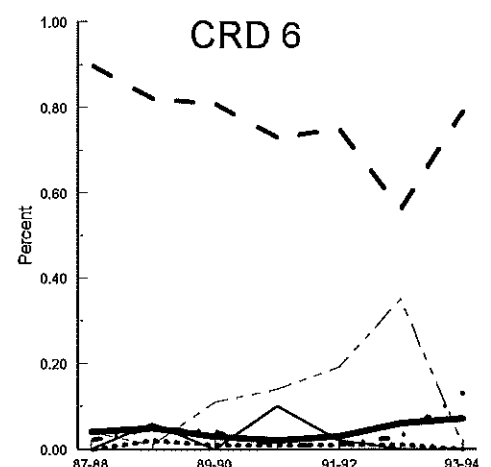
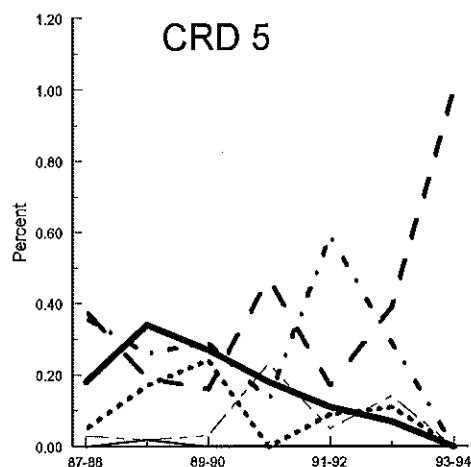
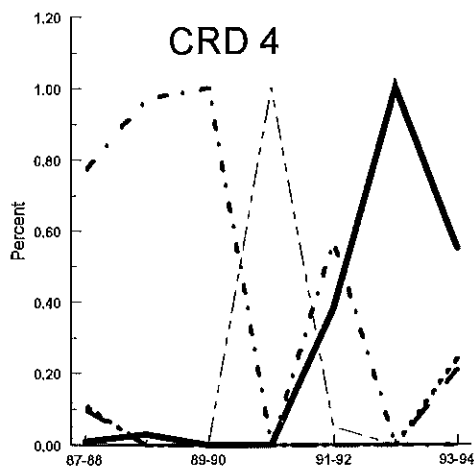
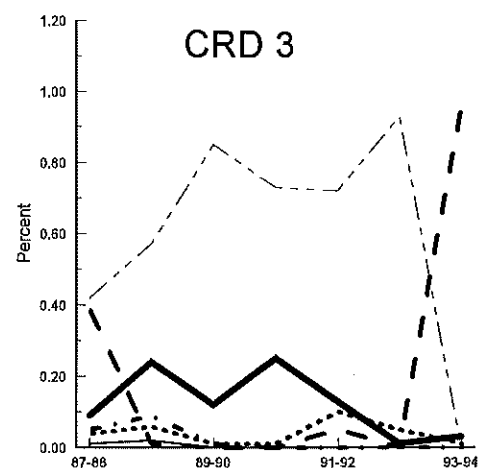
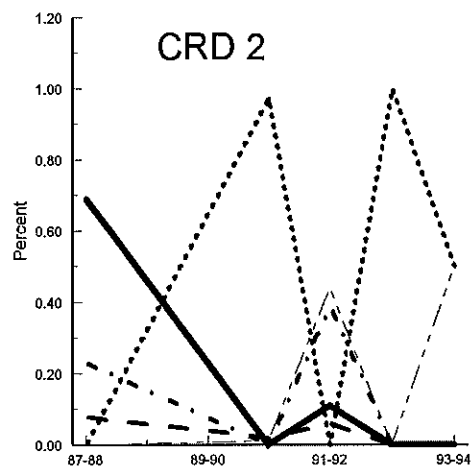
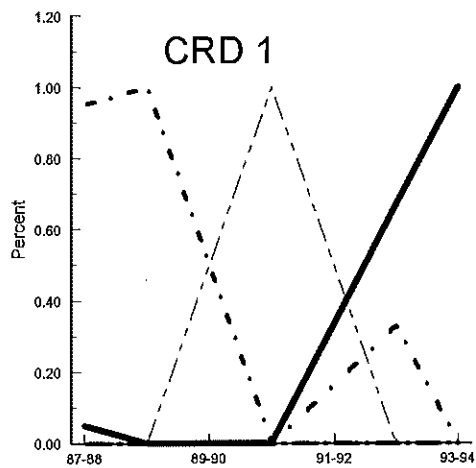
Destinations for Corn Shipments from Elevators, 1993-94

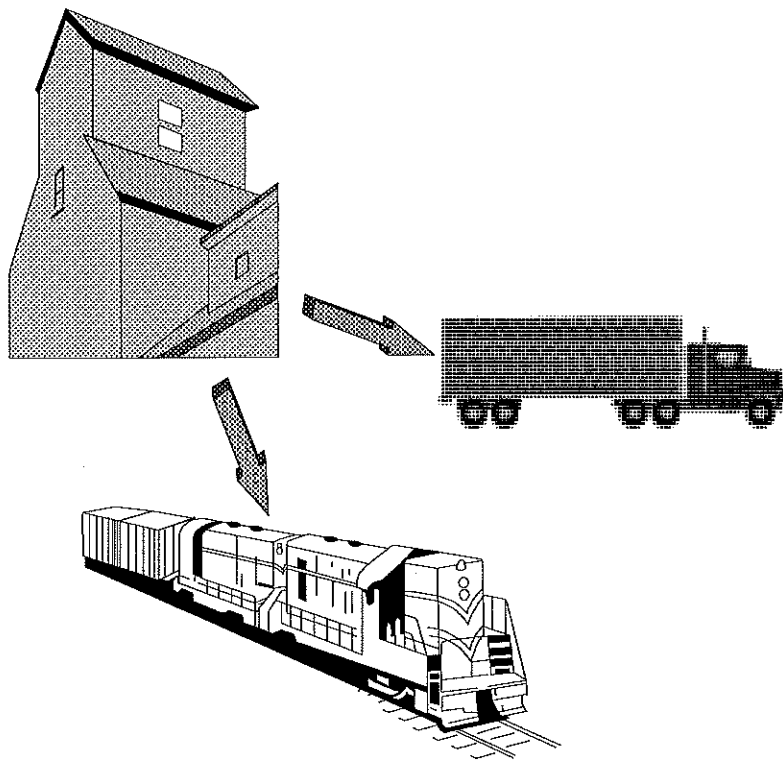


Destinations for Corn Shipments from ND (1,000 Bushels)							
	Dul-Sup	Minn-St Paul	Midland/SW	PNW	ND	Other	Total
1988-89	1,741	878	1,348	21,861	595	2,921	29,344
	0.06	0.03	0.05	0.74	0.02	0.10	
1989-90	358	981	1,481	26,133	1,967	3,844	34,764
	0.01	0.03	0.04	0.75	0.06	0.11	
1990-91	710	1,188	715	19,590	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	
1993-94	75	727	574	1,465	3,672	1,533	8,046
	0.01	0.09	0.07	0.18	0.46	0.19	



Destinations for Corn Shipments from ND CRDs

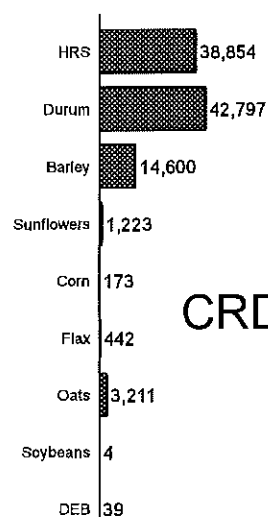




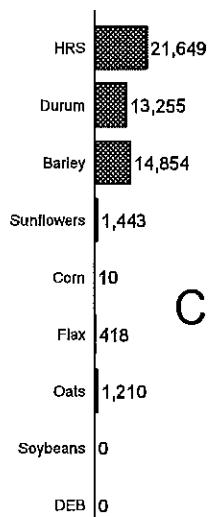
MODE FOR GRAIN AND OILSEED SHIPMENTS ORIGINATING FROM NORTH DAKOTA ELEVATORS

Grain and Oilseed Shipments from Each CRD, 1993-94

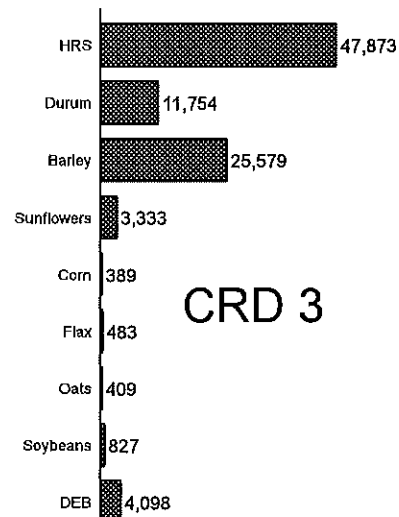
- 1,000 Bushels -



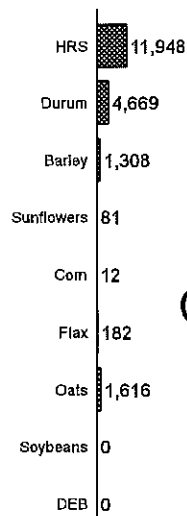
CRD 1



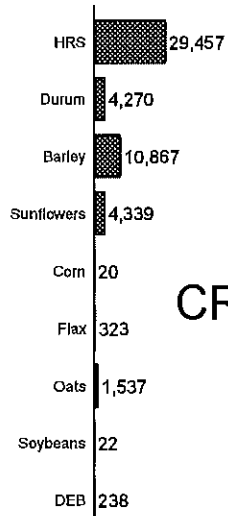
CRD 2



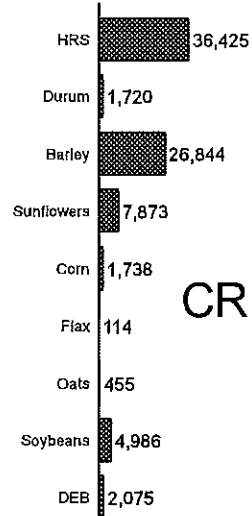
CRD 3



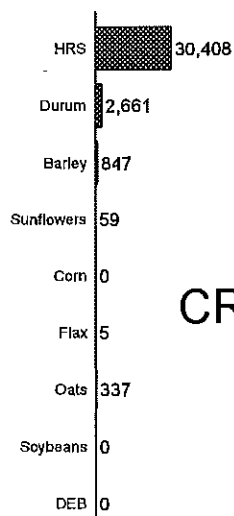
CRD 4



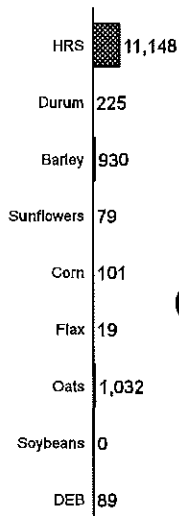
CRD 5



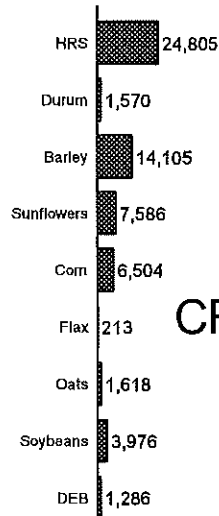
CRD 6



CRD 7



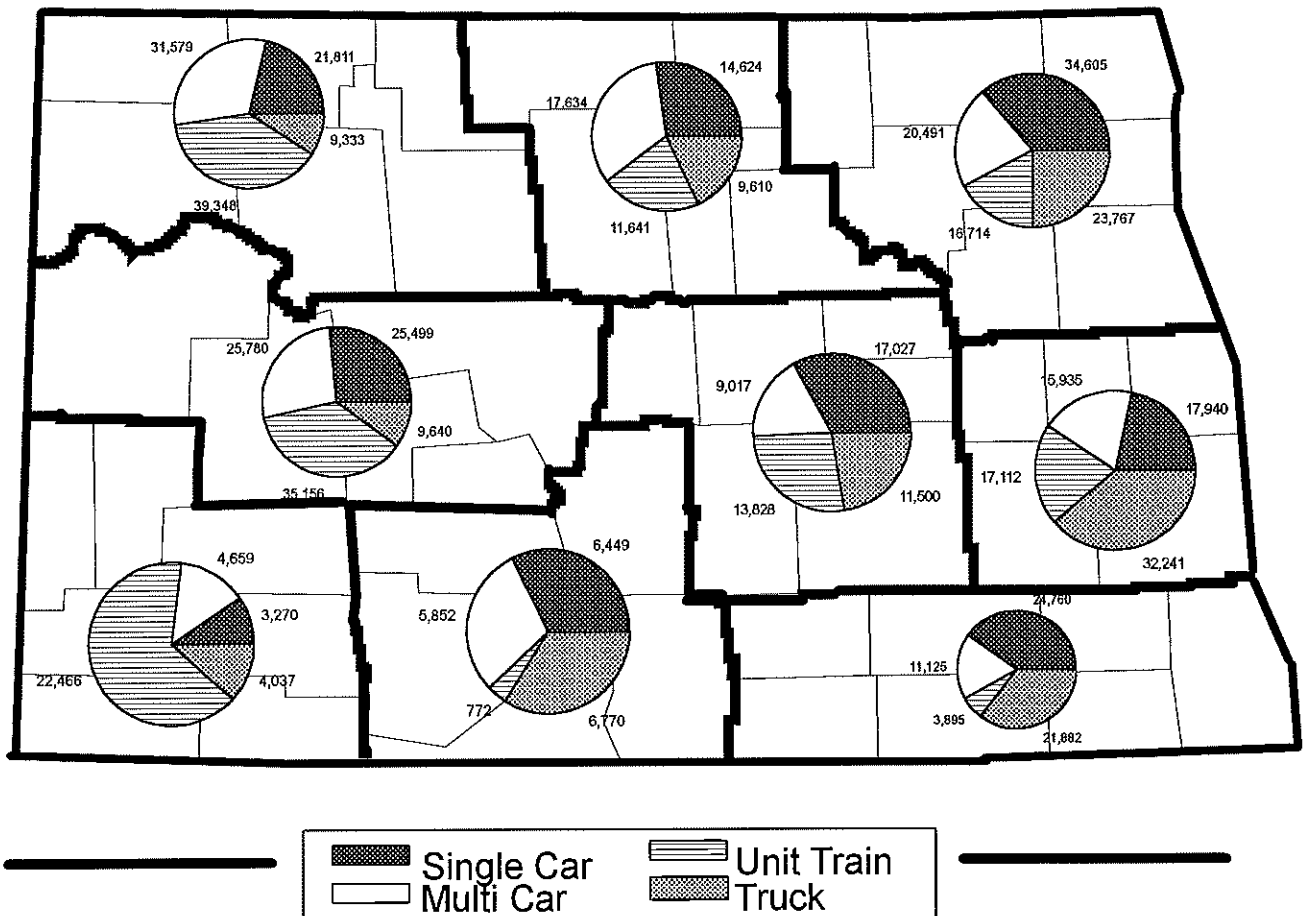
CRD 8



CRD 9

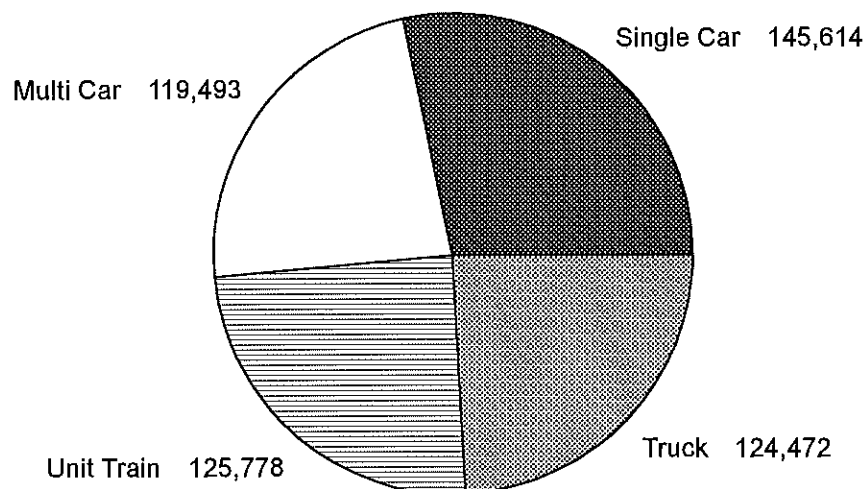
Mode for Shipments of Grain and Oilseeds from Each CRD, 1993-94

- 1,000 Bushels -

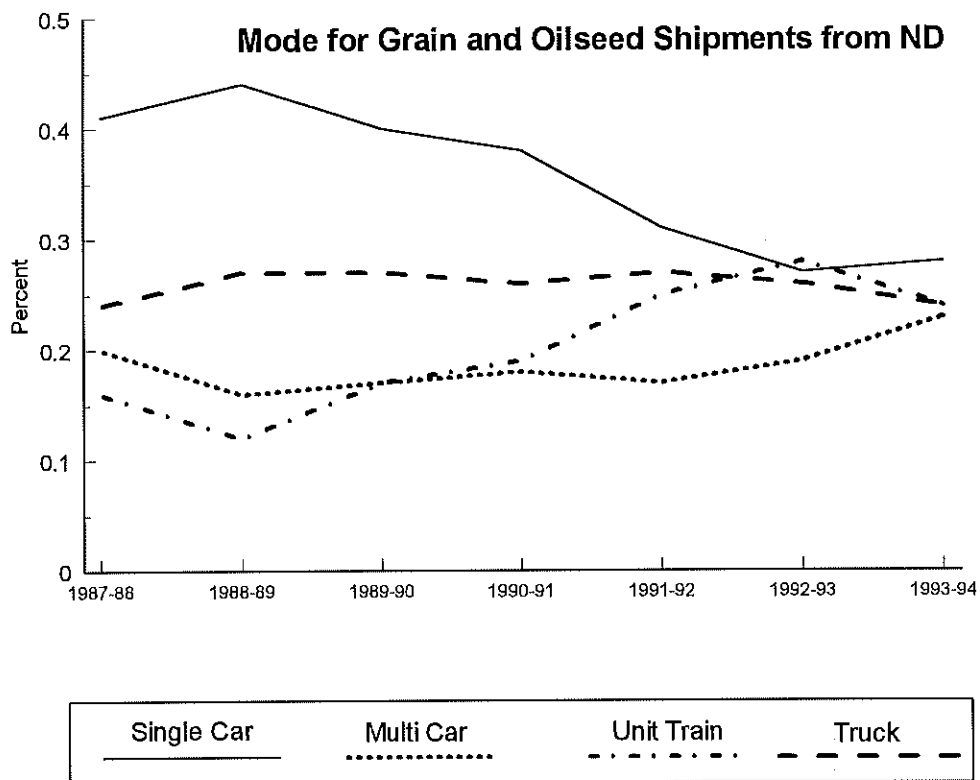


Shipments from All ND Elevators by Each Mode

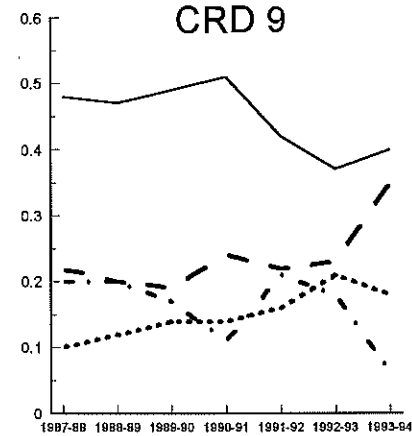
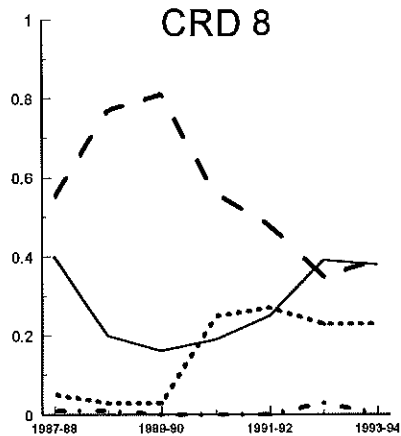
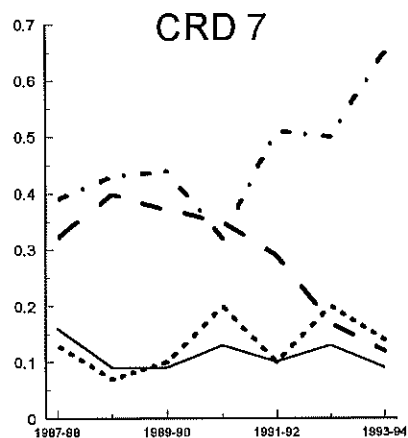
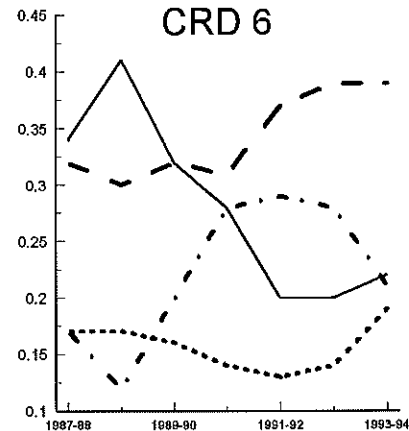
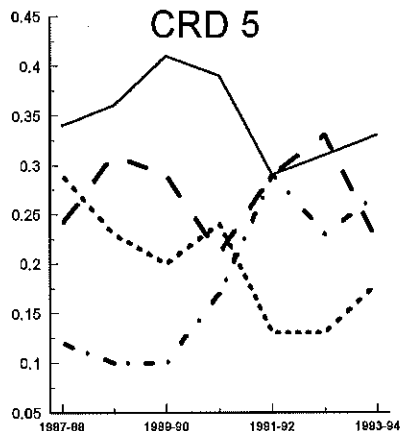
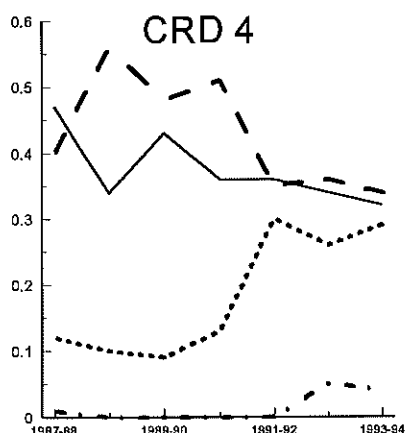
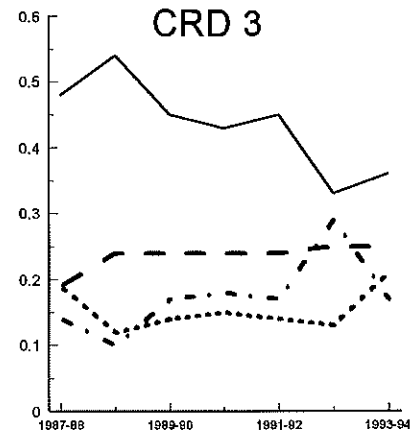
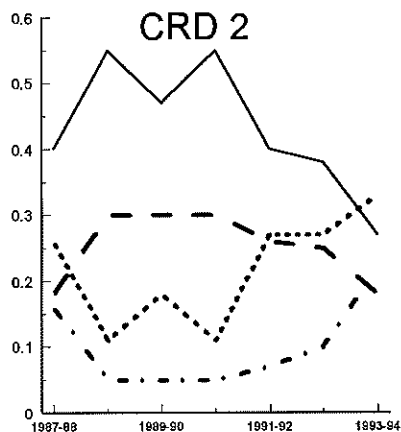
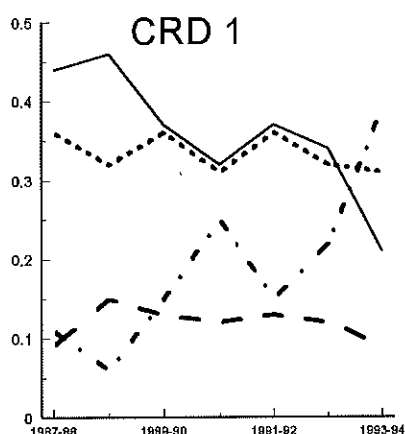
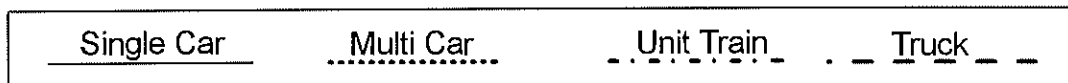
- 1,000 Bushels -



Mode for Grain and Oilseed Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1988-89	164,205	60,221	46,540	101,411	372,377
	0.44	0.16	0.13	0.27	
1989-90	189,686	81,491	80,157	127,088	478,422
	0.40	0.17	0.17	0.27	
1990-91	191,164	91,534	94,089	129,435	506,222
	0.38	0.18	0.19	0.26	
1991-92	188,150	107,019	152,650	165,033	612,852
	0.31	0.17	0.25	0.27	
1992-93	190,645	133,087	200,211	180,140	704,083
	0.27	0.19	0.28	0.26	
1993-94	145,614	119,493	125,778	124,472	515,357
	0.28	0.23	0.24	0.24	

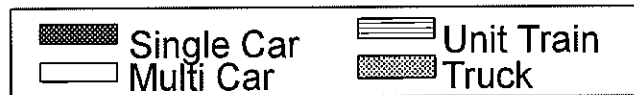
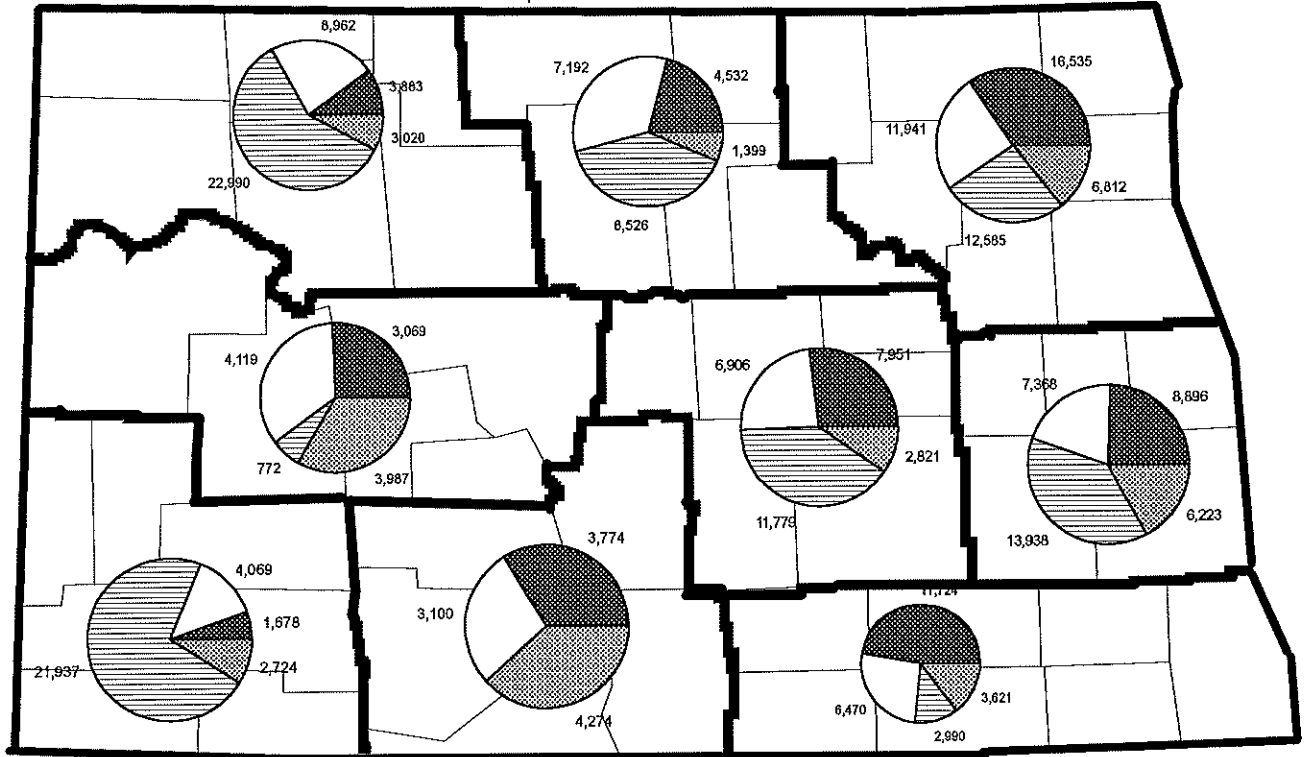


Mode for Grain and Oilseed Shipments from Each CRD - Percent -



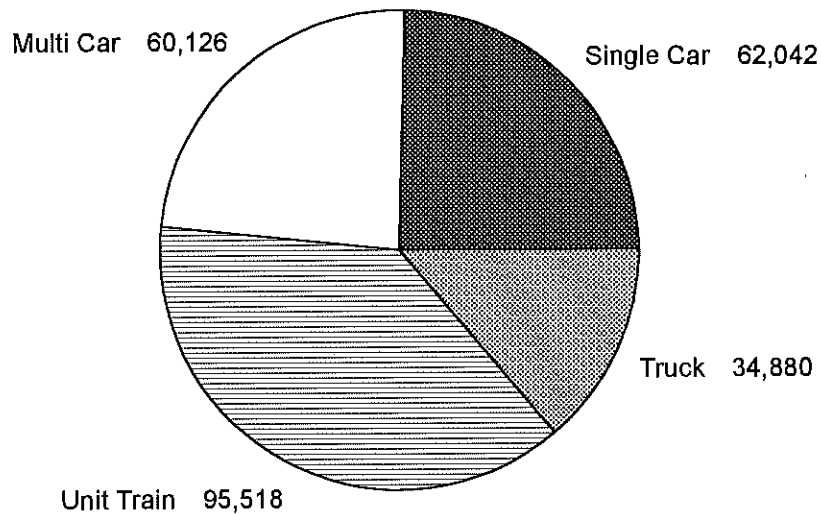
Mode for Shipments of HRS Wheat from Each CRD, 1993-94

- 1,000 Bushels -

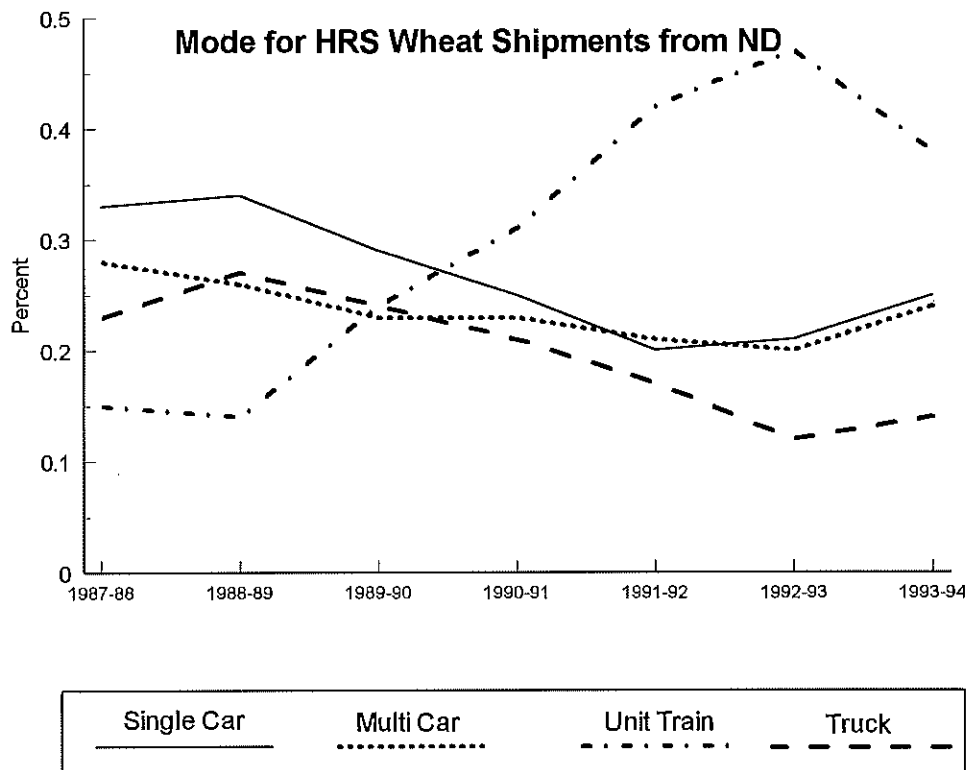


Shipments of HRS Wheat from All ND Elevators by Each Mode

- 1,000 Bushels -

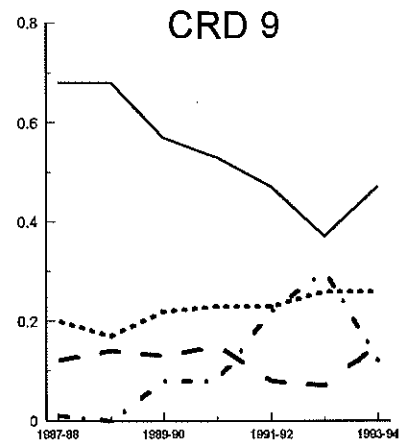
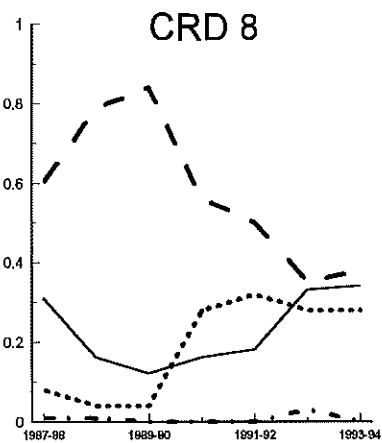
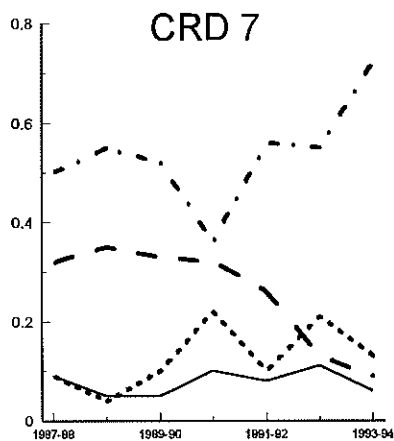
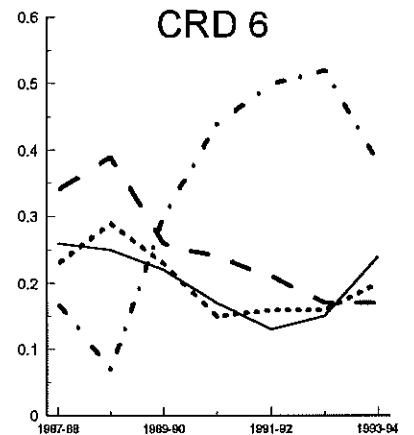
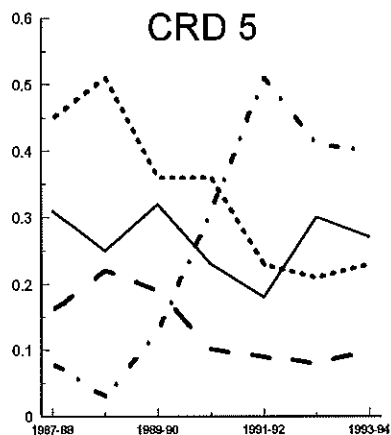
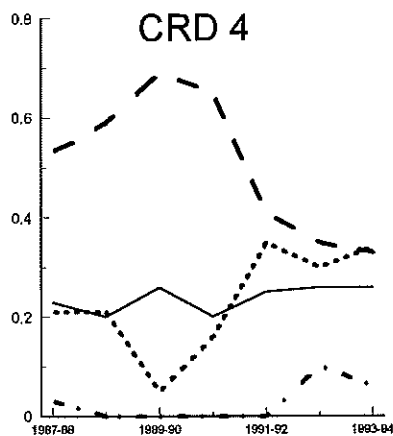
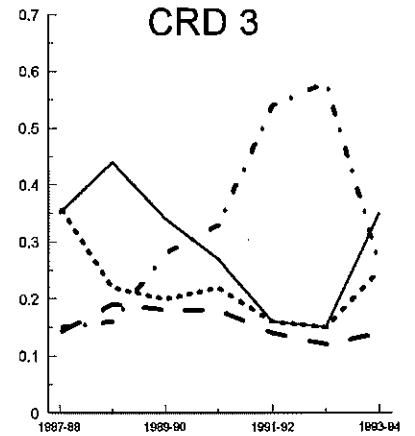
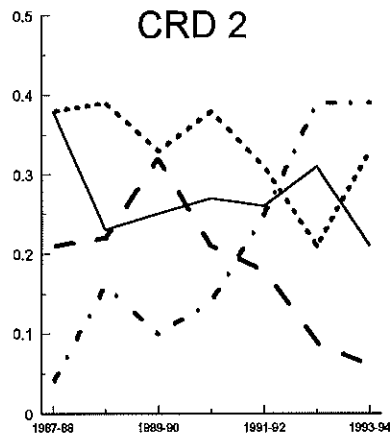
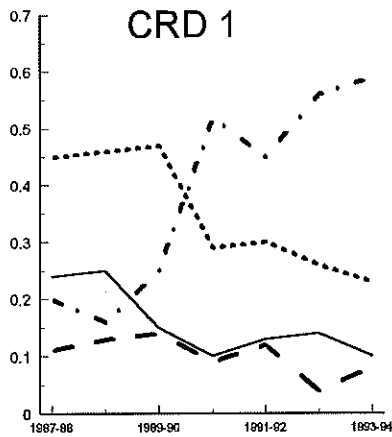


Mode for HRS Wheat Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1988-89	45,550	35,312	18,704	36,275	135,841
	0.34	0.26	0.14	0.27	
1989-90	55,933	44,517	46,736	45,299	192,485
	0.29	0.23	0.24	0.24	
1990-91	46,978	44,463	59,497	40,134	191,072
	0.25	0.23	0.31	0.21	
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	
1993-94	62,042	60,126	95,518	34,880	252,566
	0.25	0.24	0.38	0.14	



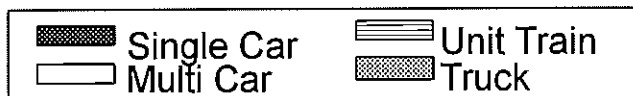
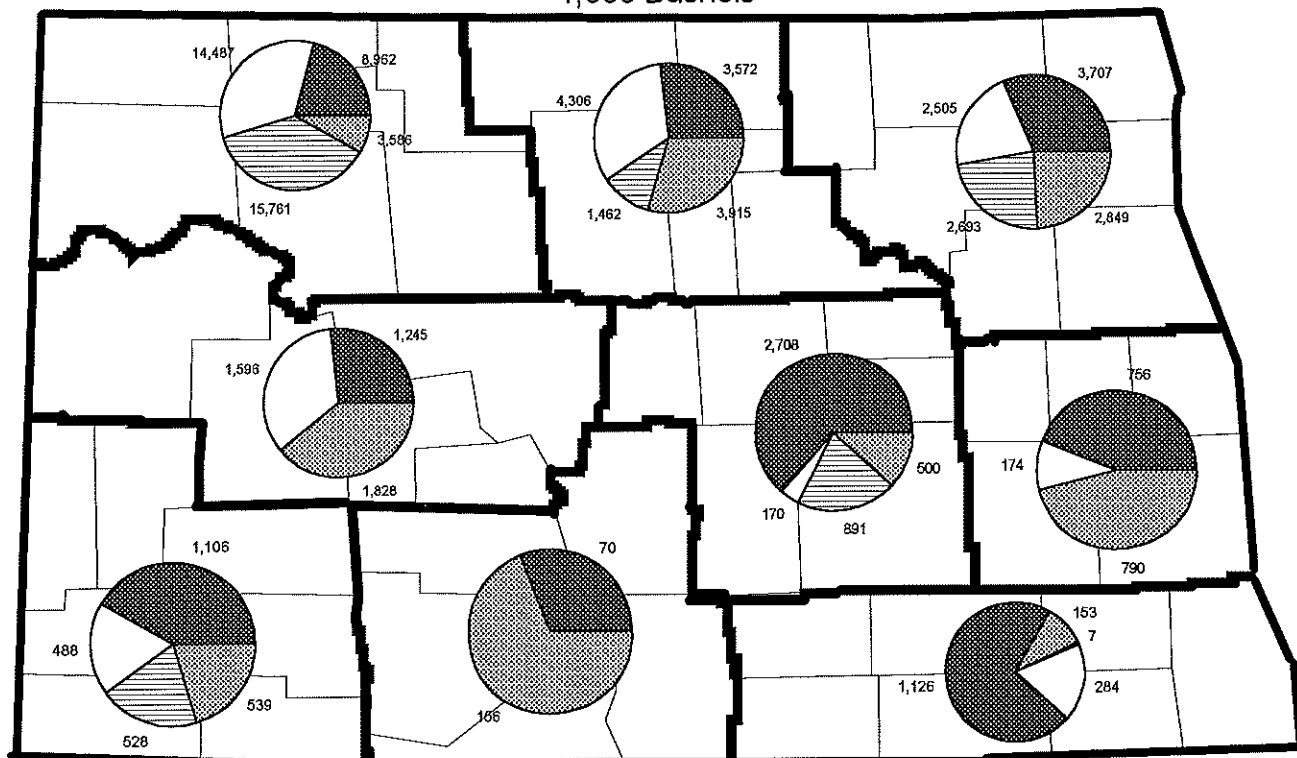
Mode for HRS Wheat Shipments from Each CRD

- Percent -



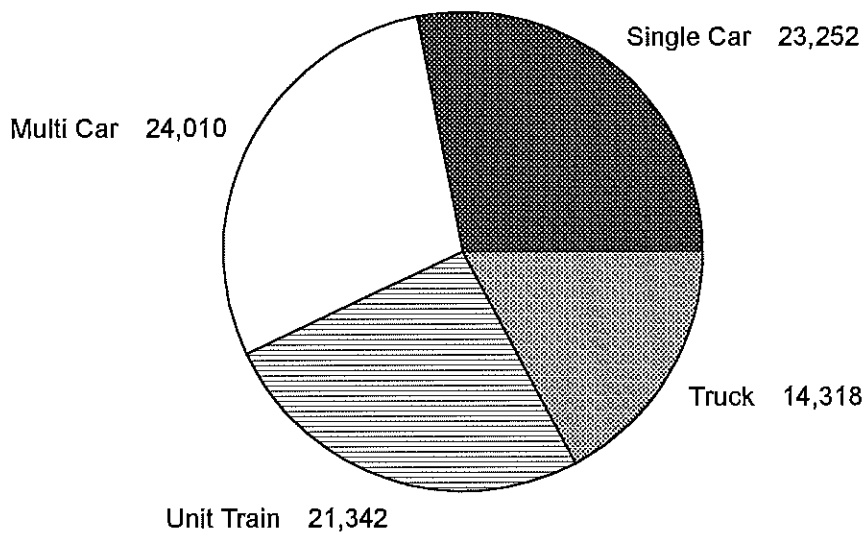
Mode for Shipments of Durum from Each CRD, 1993-94

- 1,000 Bushels -

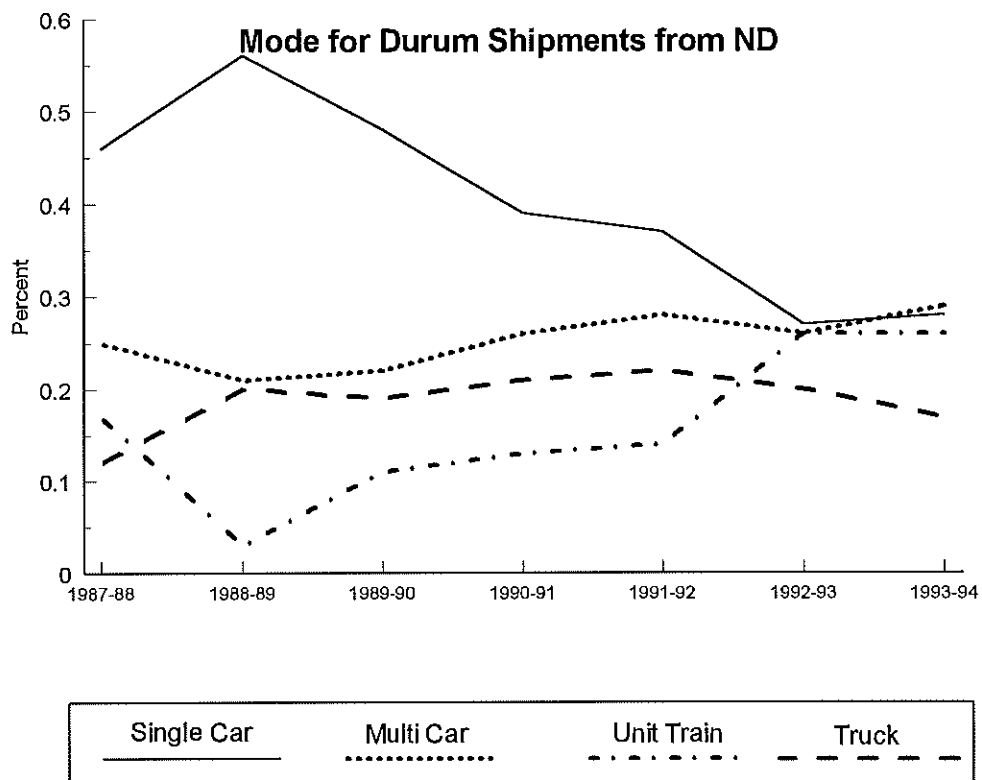


Shipments of Durum from All ND Elevators by Each Mode

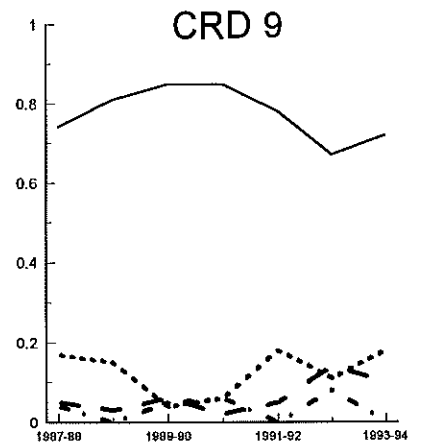
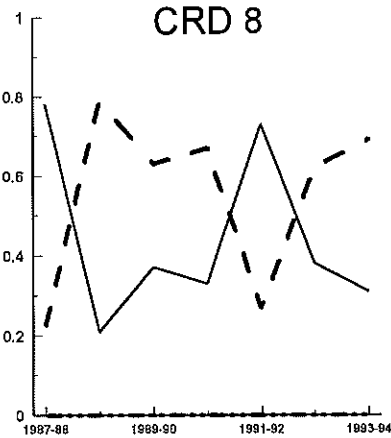
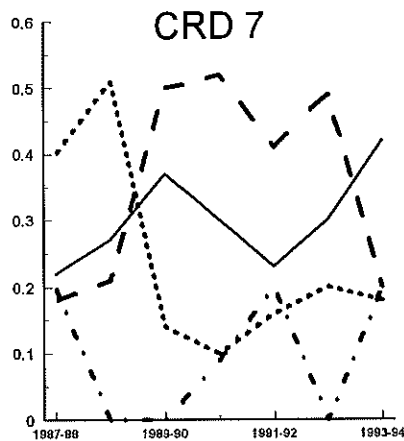
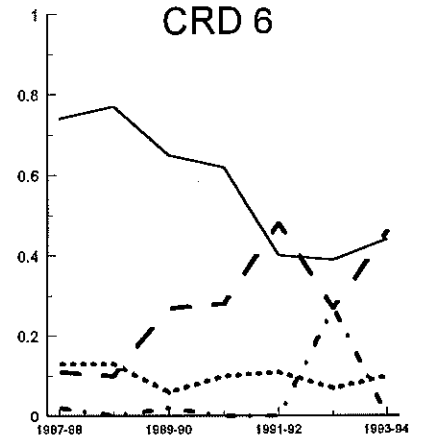
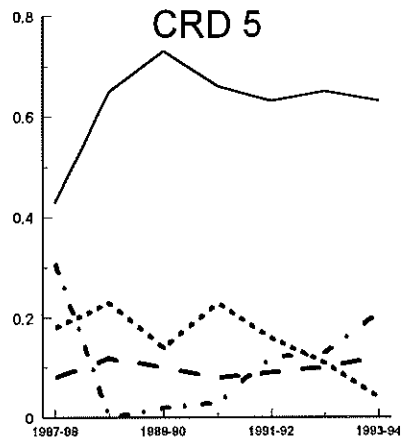
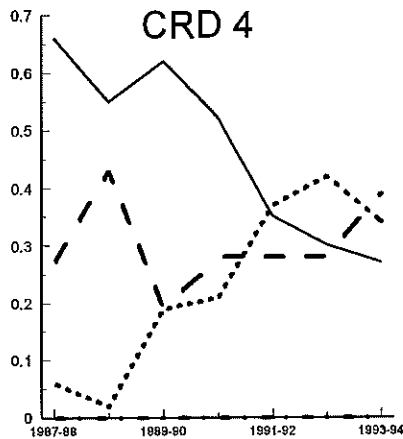
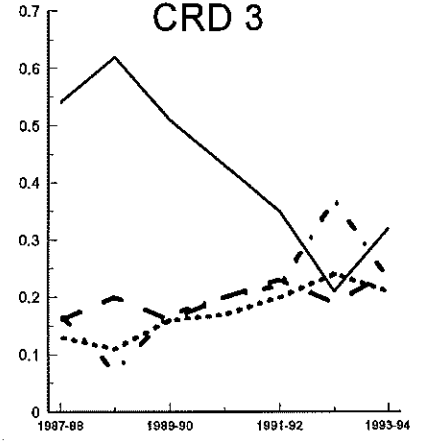
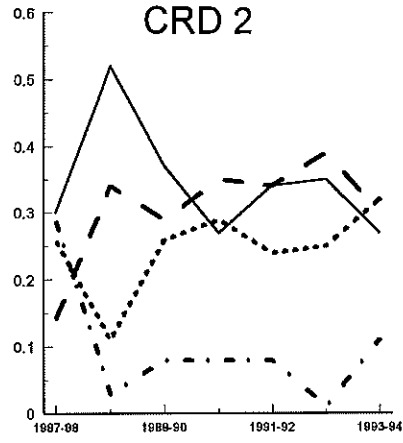
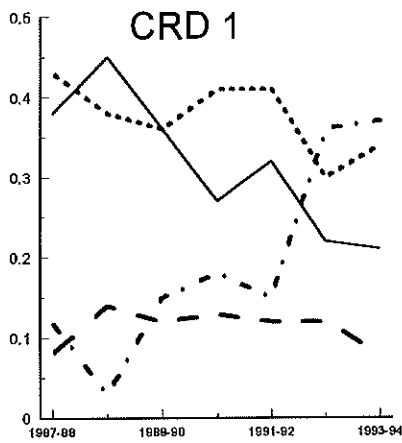
- 1,000 Bushels -



Mode for Durum Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
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	
1993-94	23,252	24,010	21,342	14,317	82,921
	0.28	0.29	0.26	0.17	

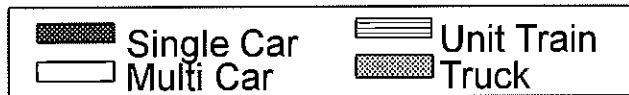
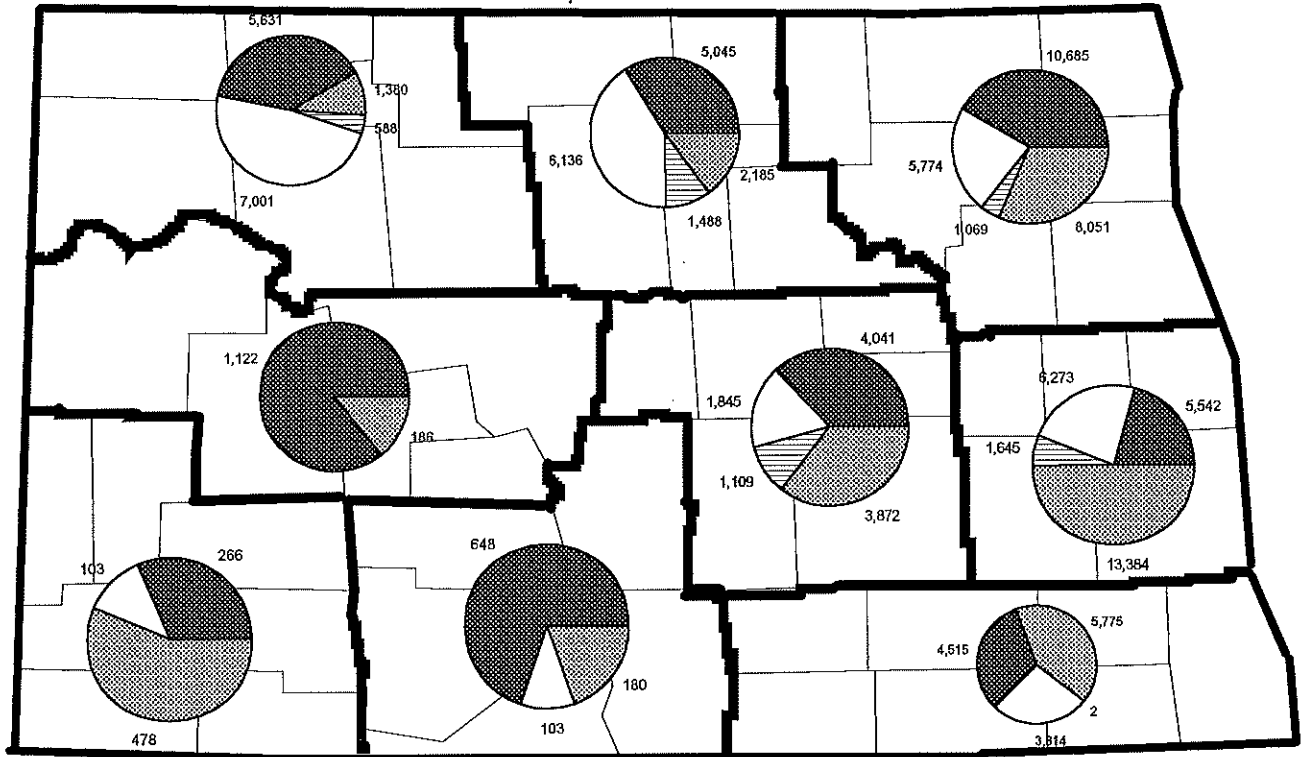


Mode for Durum Shipments from Each CRD - Percent -



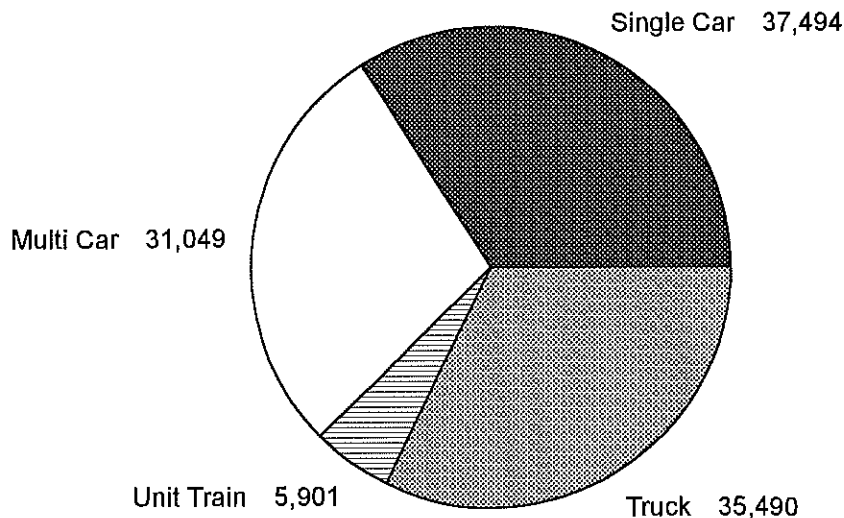
Mode for Shipments of Barley from Each CRD, 1993-94

- 1,000 Bushels -

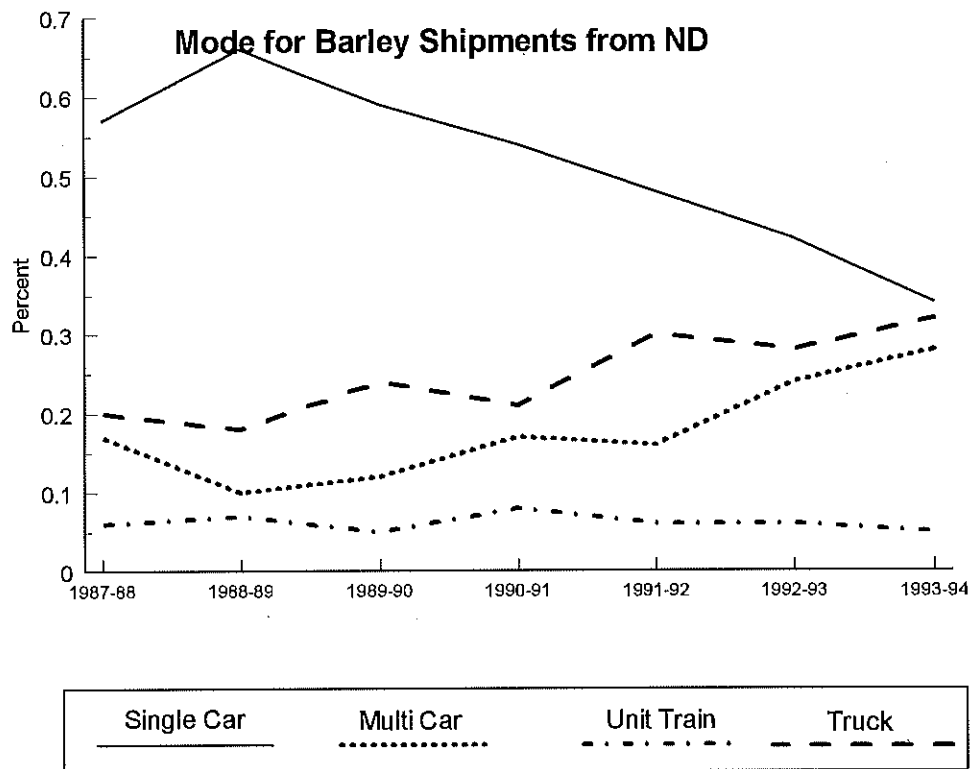


Shipments of Barley from All ND Elevators by Each Mode

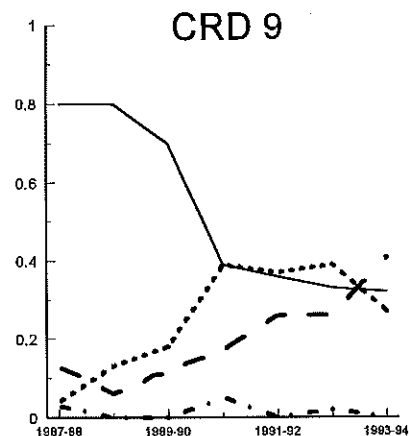
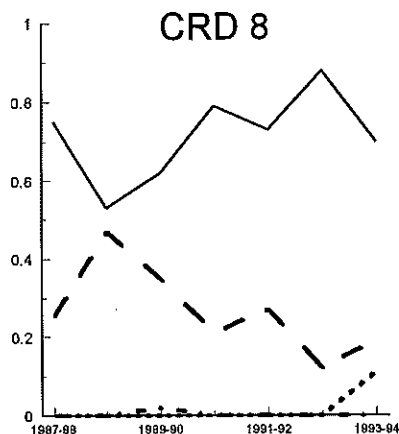
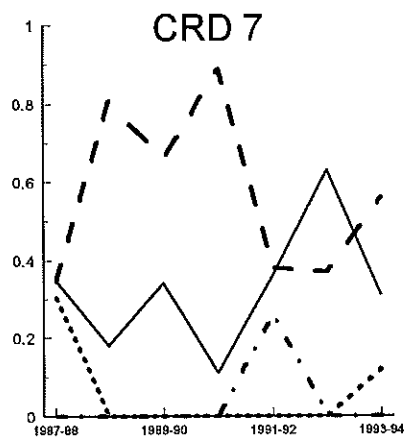
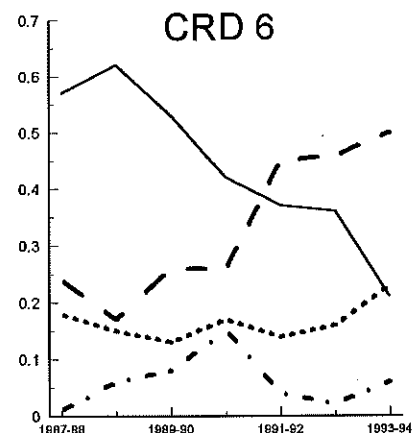
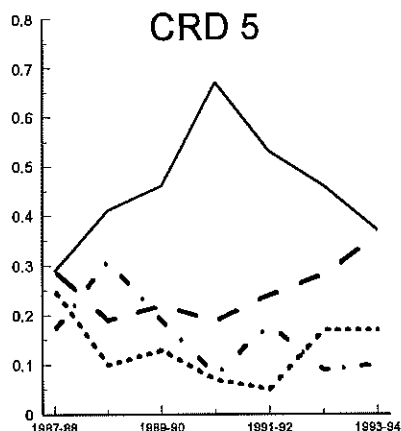
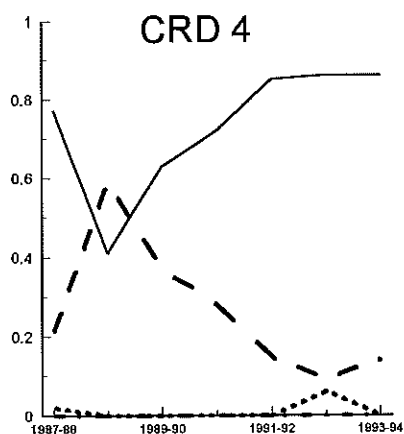
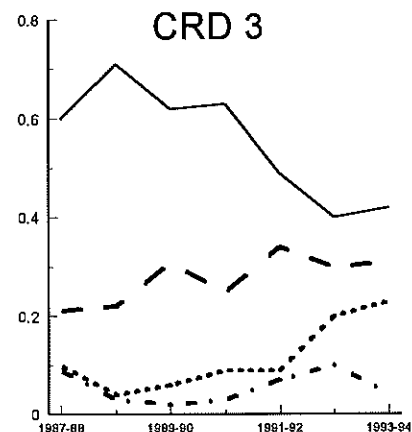
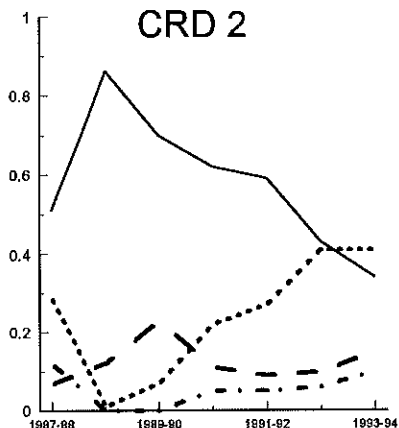
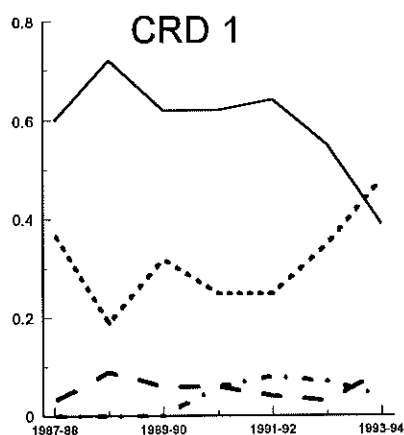
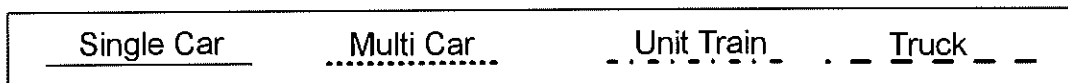
- 1,000 Bushels -



Mode for Barley Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1988-89	60,951	9,337	6,185	16,243	92,716
	0.66	0.10	0.07	0.18	
1989-90	65,876	13,674	5,234	27,472	112,256
	0.59	0.12	0.05	0.24	
1990-91	61,138	19,859	9,244	23,805	114,046
	0.54	0.17	0.08	0.21	
1991-92	59,573	19,900	7,833	37,478	124,784
	0.48	0.16	0.06	0.30	
1992-93	54,849	31,754	7,354	37,181	131,138
	0.42	0.24	0.06	0.28	
1993-94	37,494	31,049	5,901	35,490	109,934
	0.34	0.28	0.05	0.32	

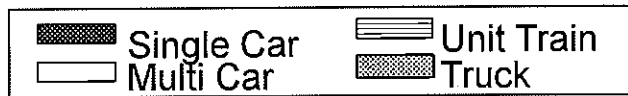
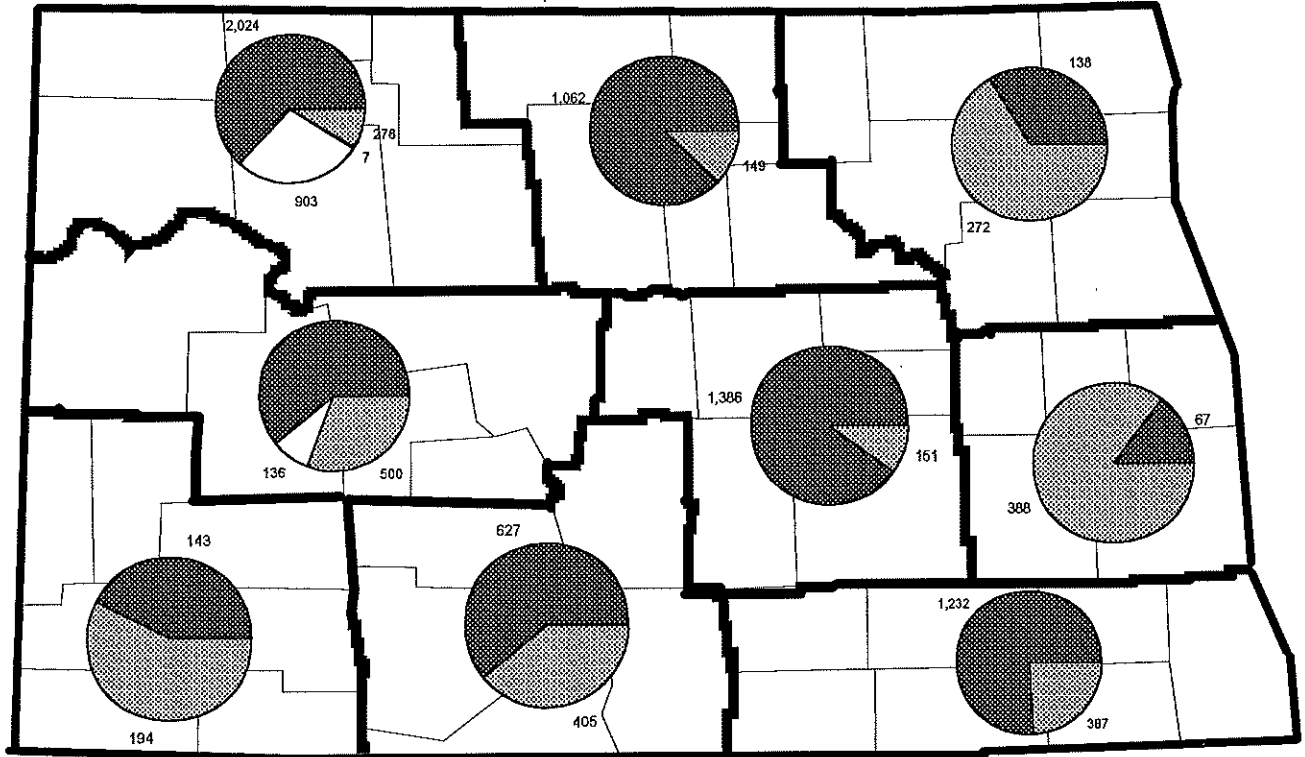


Mode for Barley Shipments from Each CRD - Percent -



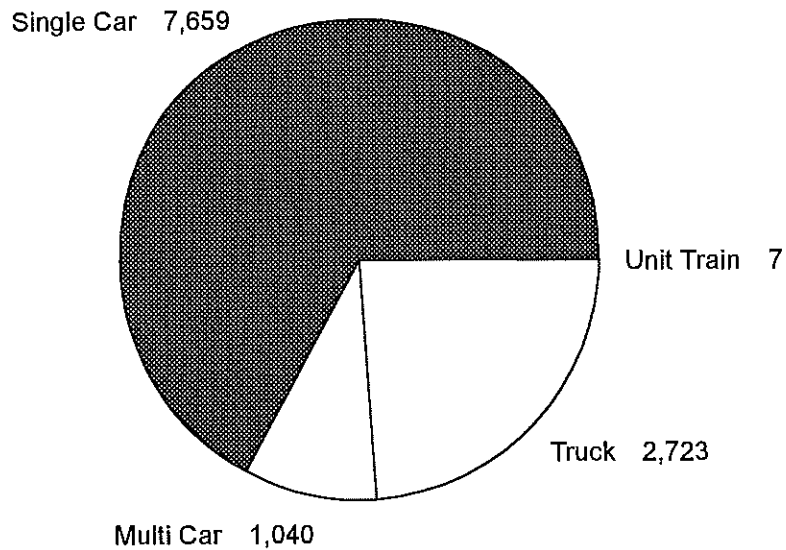
Mode for Shipments of Oats from Each CRD, 1993-94

- 1,000 Bushels -

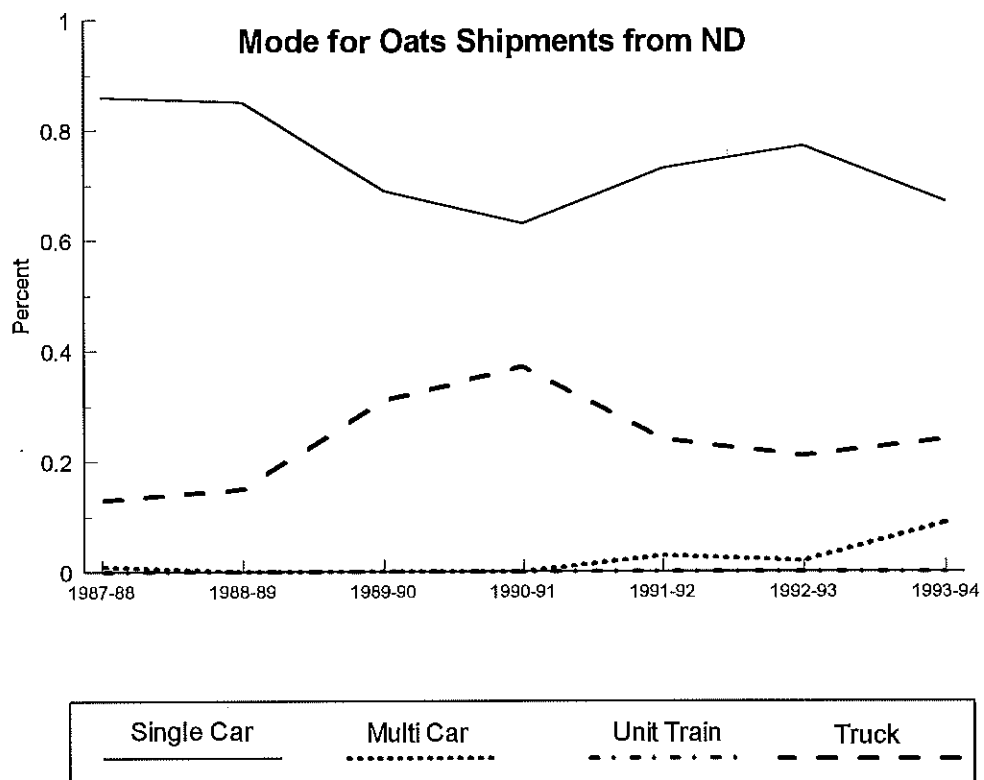


Shipments of Oats from All ND Elevators by Each Mode

- 1,000 Bushels -

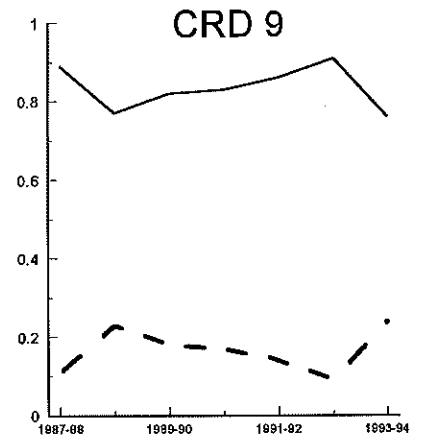
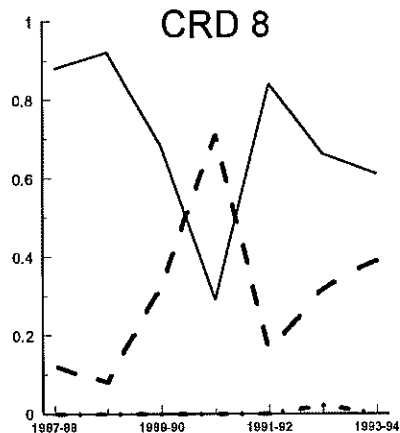
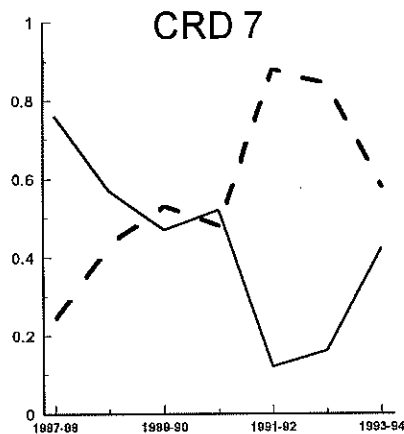
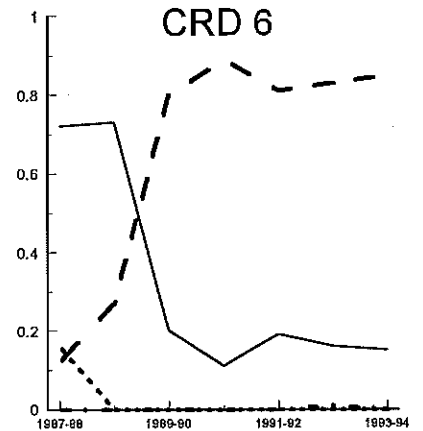
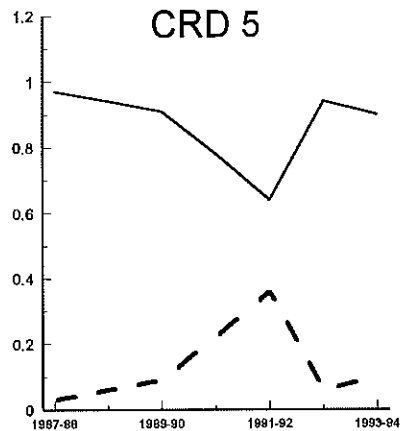
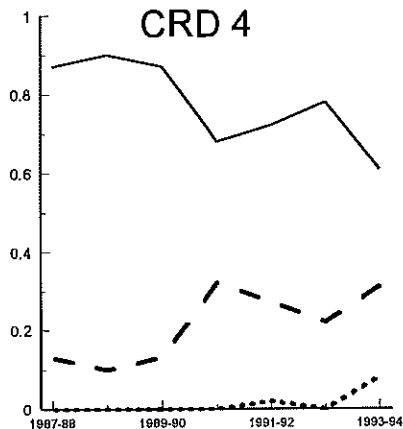
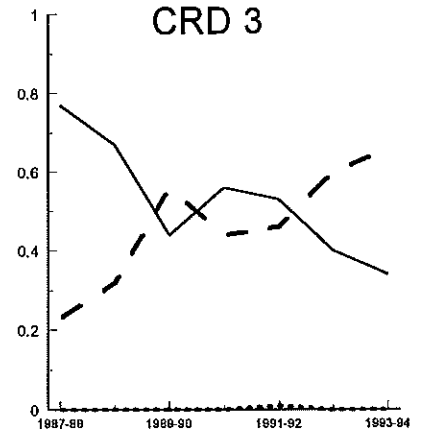
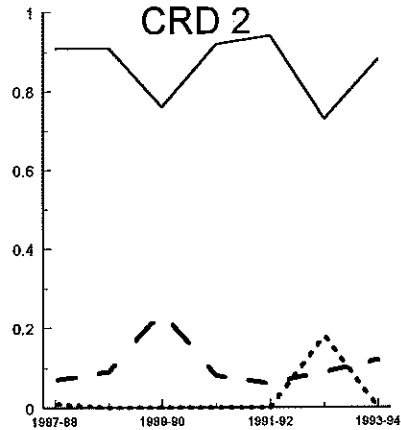
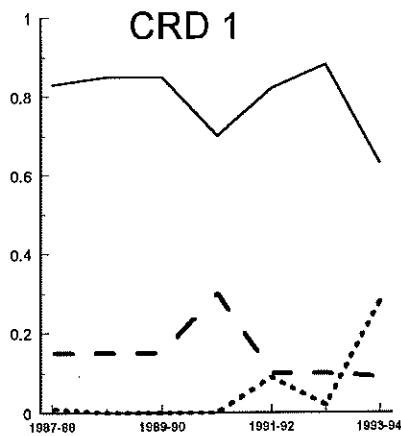
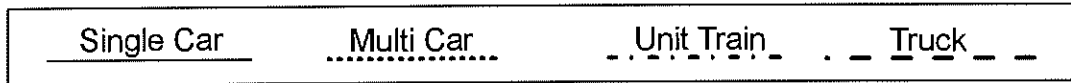


Mode for Oats Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1988-89	3,635	2	1	660	4,298
	0.85	0.00	0.00	0.15	
1989-90	3,481	3	0	1,531	5,015
	0.69	0.00	0.00	0.31	
1990-91	3,519	0	0	2,082	5,601
	0.63	0.00	0.00	0.37	
1991-92	5,530	237	0	1,843	7,610
	0.73	0.03	0.00	0.24	
1992-93	10,279	224	30	2,739	13,272
	0.77	0.02	0.00	0.21	
1993-94	7,659	1,040	6	2,722	11,427
	0.67	0.09	0.00	0.24	



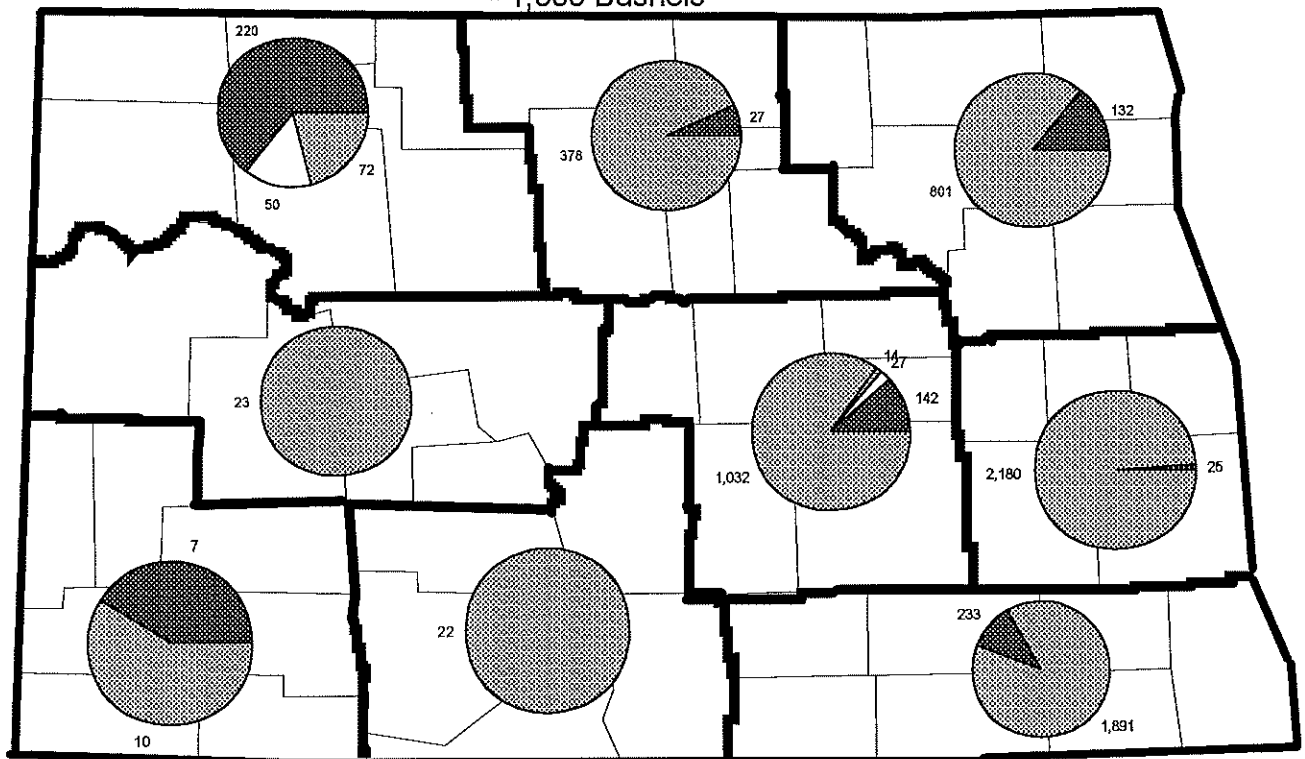
Mode for Oats Shipments from Each CRD

- Percent -



Mode for Shipments of Sunflowers from Each CRD, 1993-94

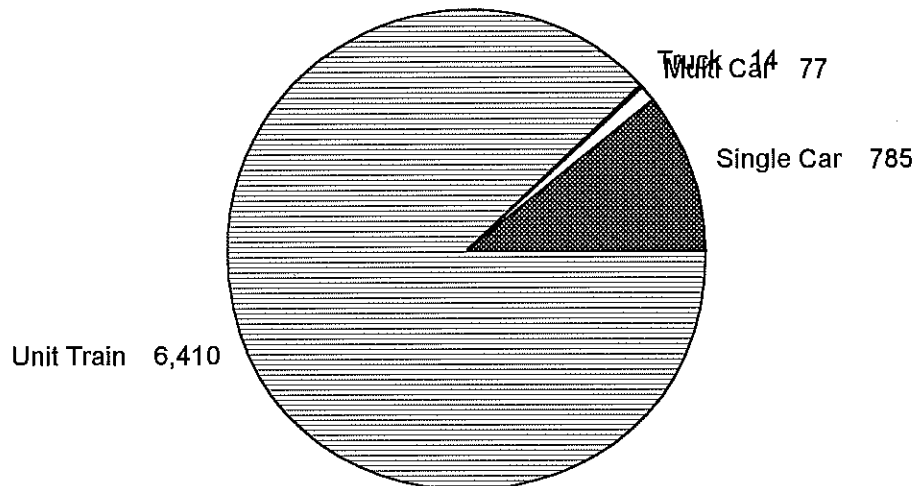
- 1,000 Bushels -



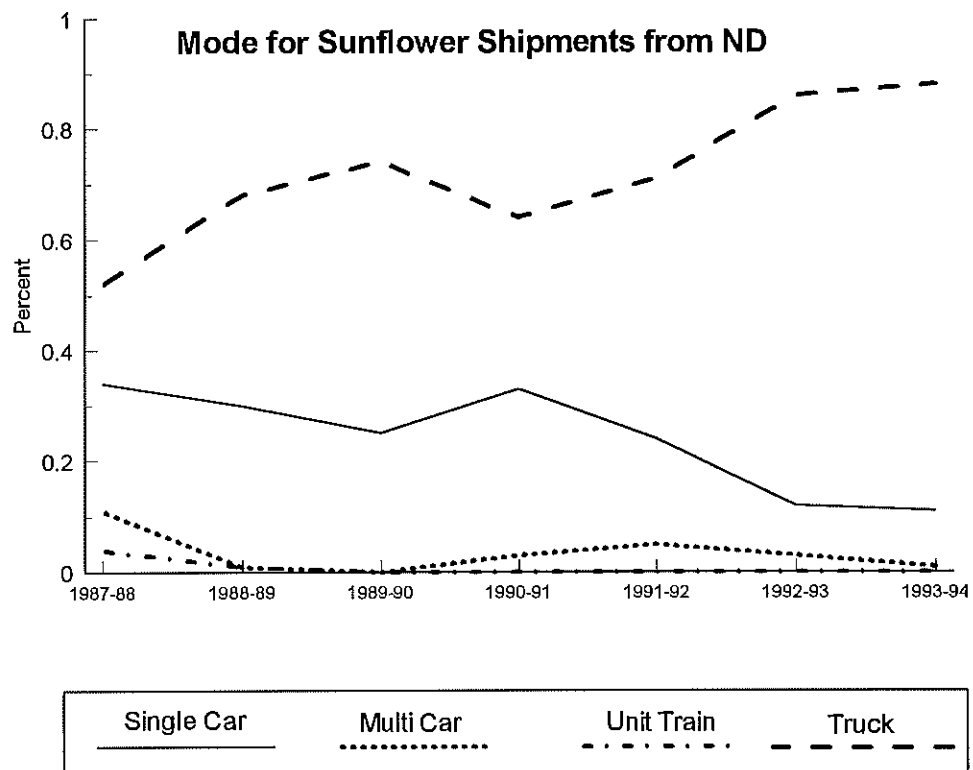
Single Car Unit Train
Multi Car Truck

Shipments of Sunflower from All ND Elevators by Each Mode

- 1,000 Bushel

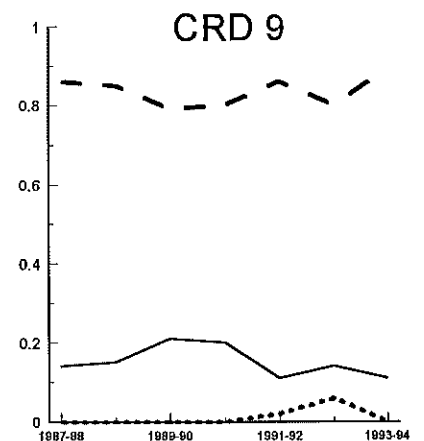
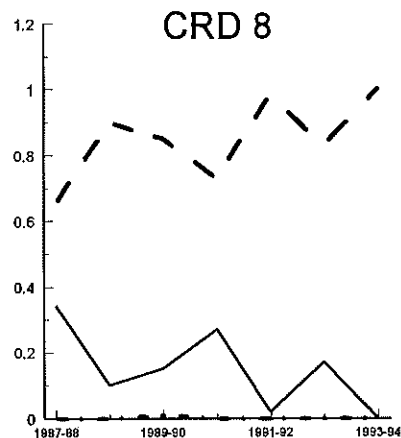
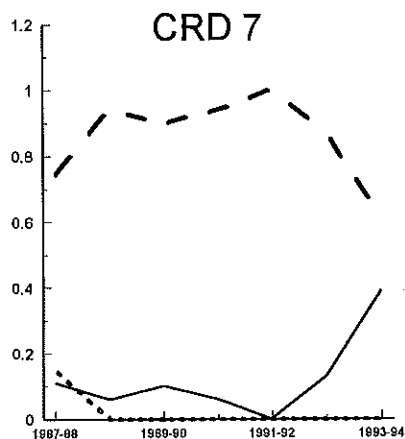
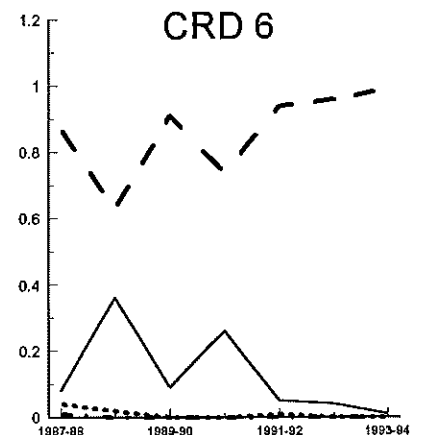
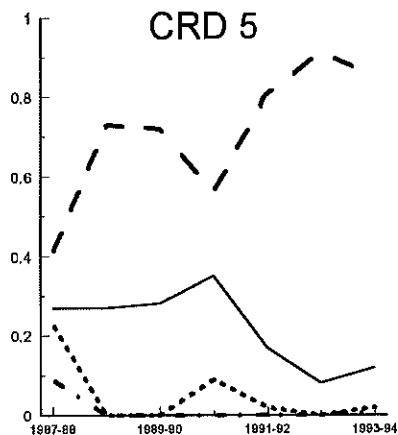
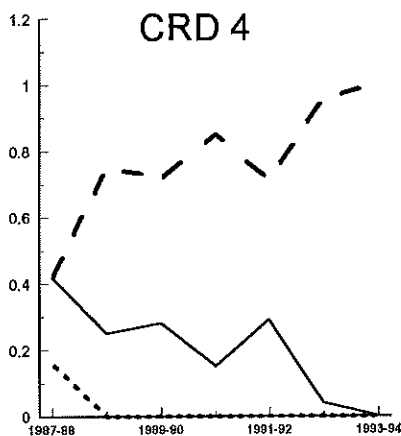
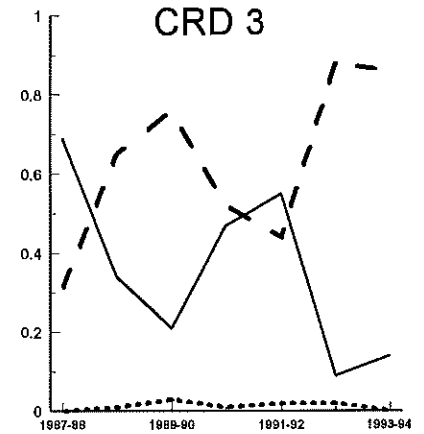
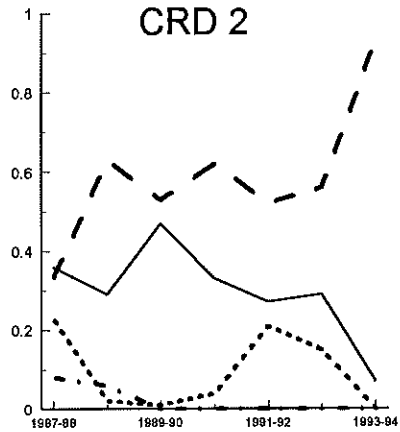
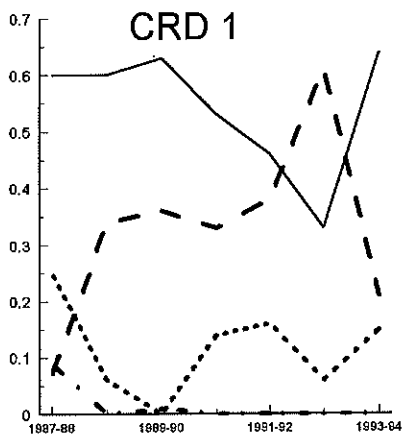
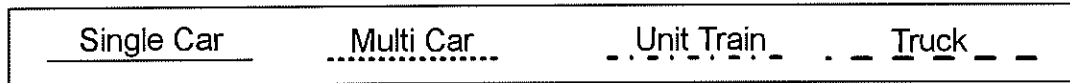


Mode for Sunflower Shipments from ND (1,000 Cwts)					
	Single Car	Multi Car	Unit Train	Truck	Total
1988-89	3,313	142	58	7,423	10,936
	0.30	0.01	0.01	0.68	
1989-90	2,295	43	5	6,665	9,008
	0.25	0.00	0.00	0.74	
1990-91	3,437	320	1	6,626	10,384
	0.33	0.03	0.00	0.64	
1991-92	3,910	727	0	11,429	16,066
	0.24	0.05	0.00	0.71	
1992-93	2,159	548	3	16,039	18,749
	0.12	0.03	0.00	0.86	
1993-94	785	77	14	6,409	7,284
	0.11	0.01	0.000	0.88	



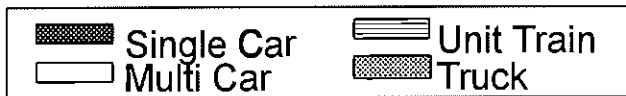
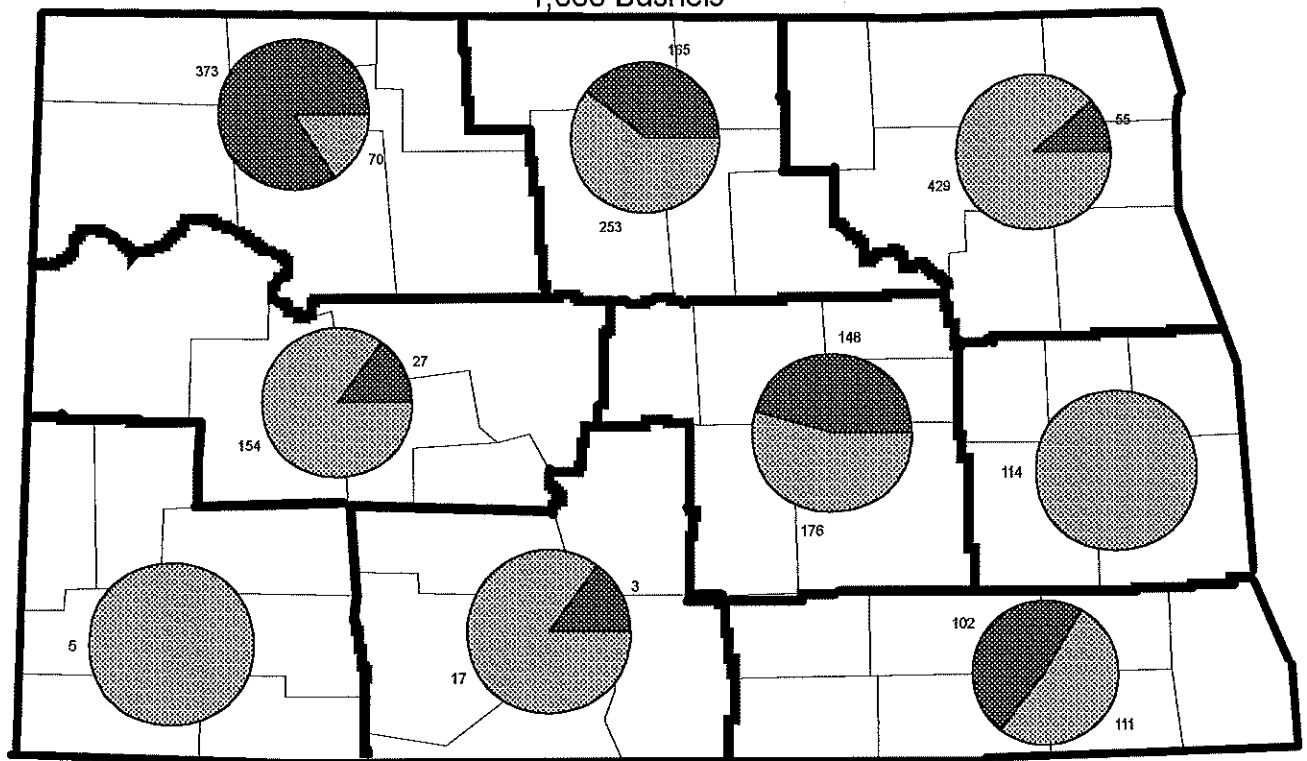
Mode for Sunflower Shipments from Each CRD

- Percent -



Mode for Shipments of Flaxseed from Each CRD, 1993-94

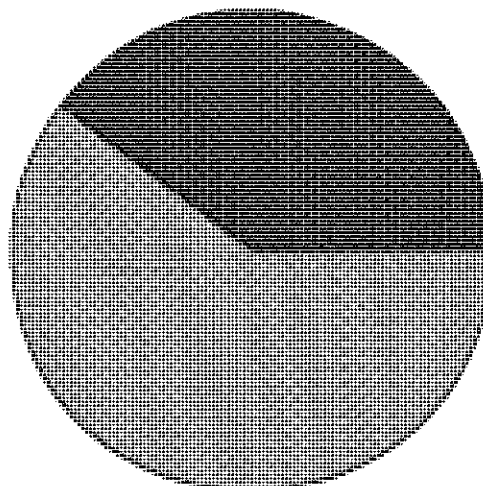
- 1,000 Bushels -



Shipments of Flaxseed from All ND Elevators by Each Mode

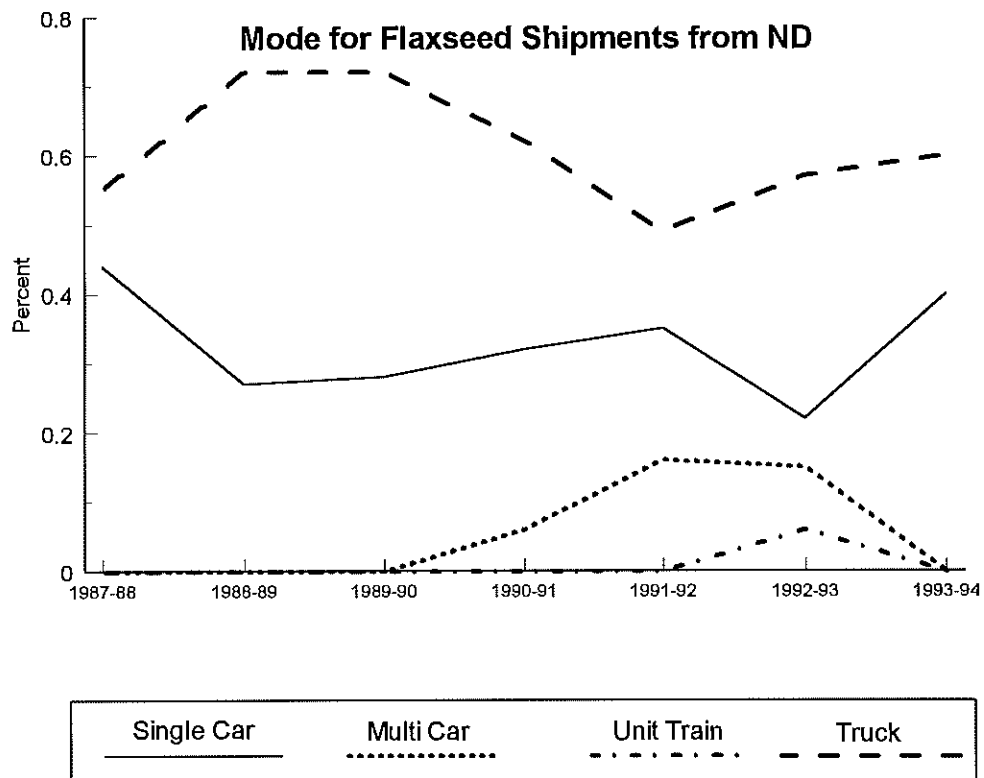
- 1,000 Bushels -

Single Car 872



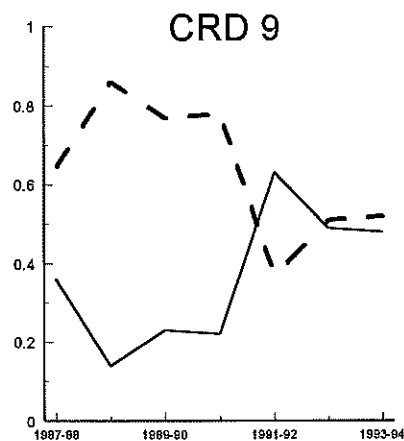
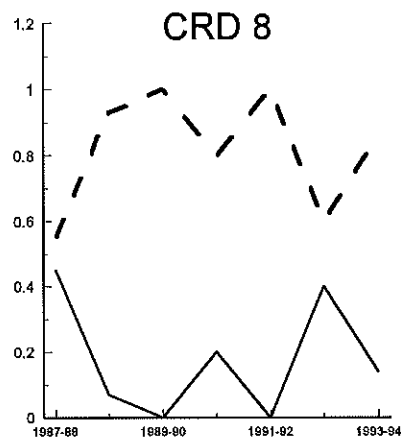
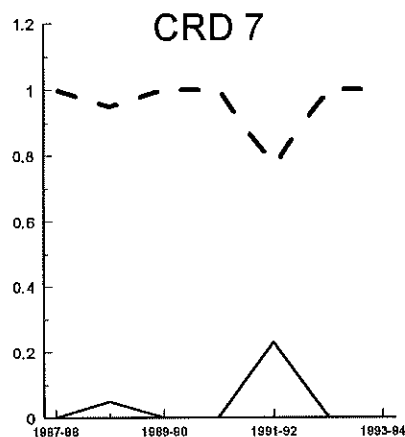
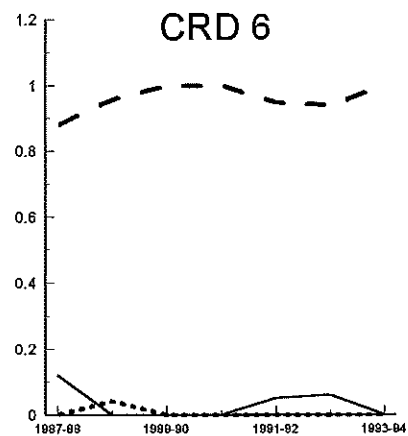
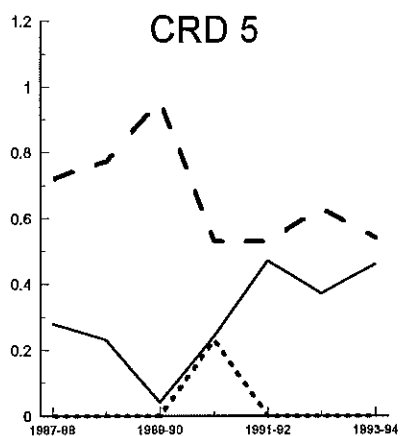
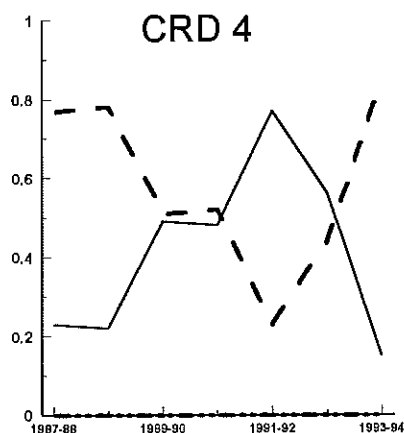
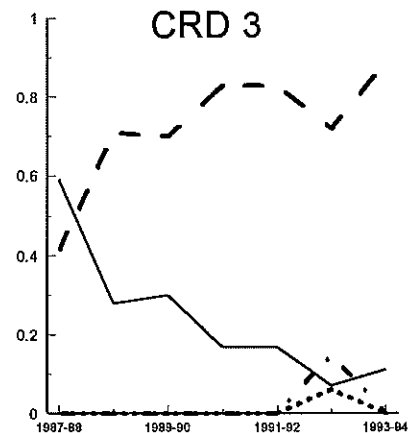
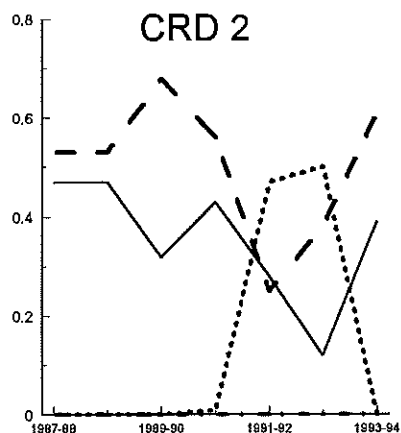
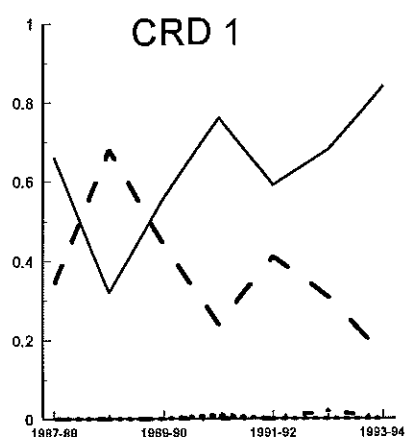
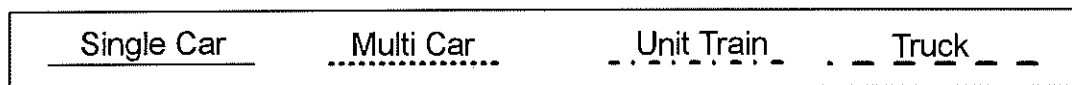
Truck 1,329

Mode for Flaxseed Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1988-89	550	5	2	1,455	2,012
	0.27	0.00	0.00	0.72	
1989-90	303	0	0	773	1,076
	0.28	0.00	0.00	0.72	
1990-91	732	127	0	1,400	2,259
	0.32	0.06	0.00	0.62	
1991-92	1,417	663	0	2,001	4,081
	0.35	0.16	0.00	0.49	
1992-93	810	560	201	2,050	3,621
	0.22	0.15	0.06	0.57	
1993-94	872	0	0	1,328	2,200
	0.40	0.00	0.00	0.60	



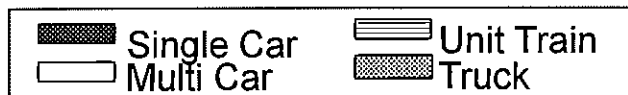
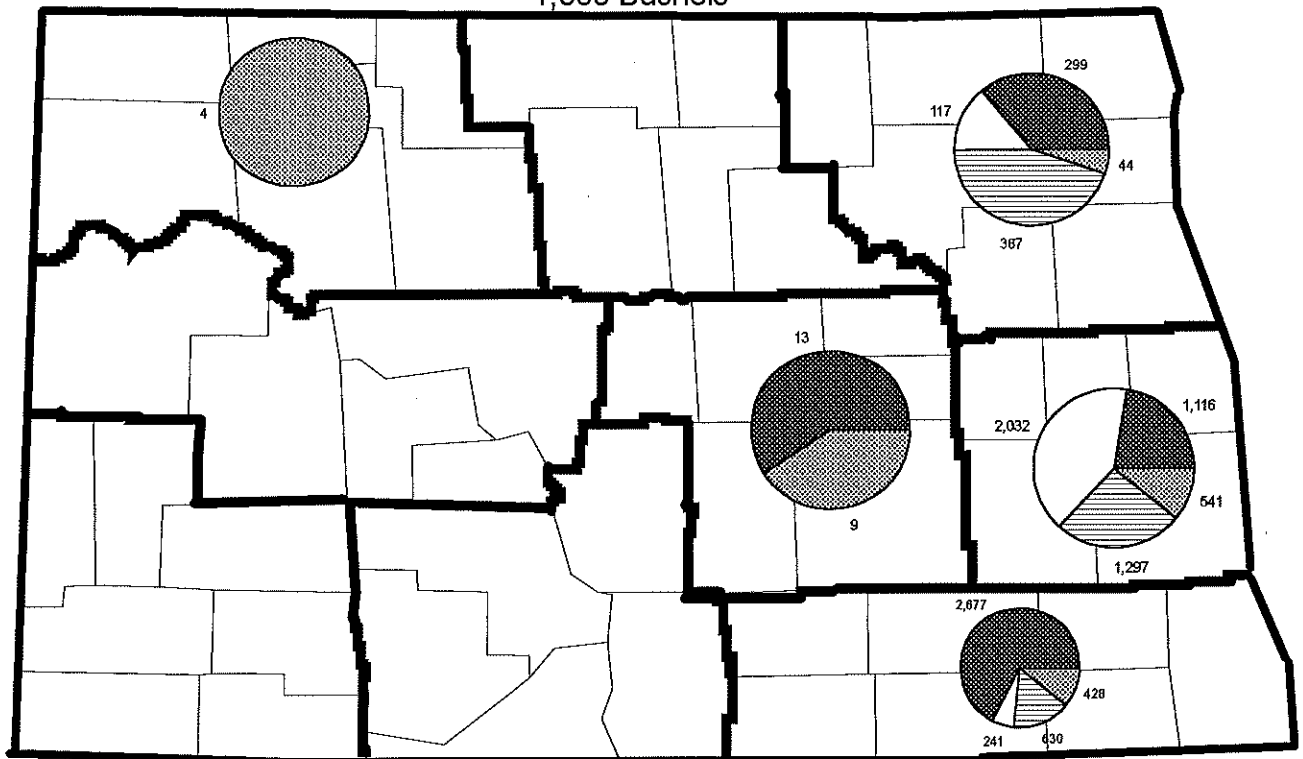
Mode for Flaxseed Shipments from Each CRD

- Percent -



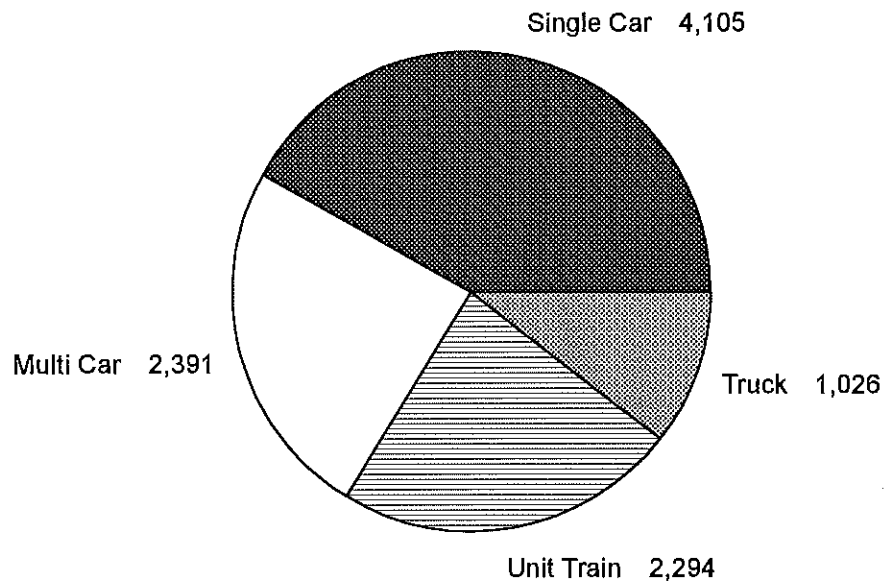
Mode for Shipments of Soybeans from Each CRD, 1993-94

- 1,000 Bushels -

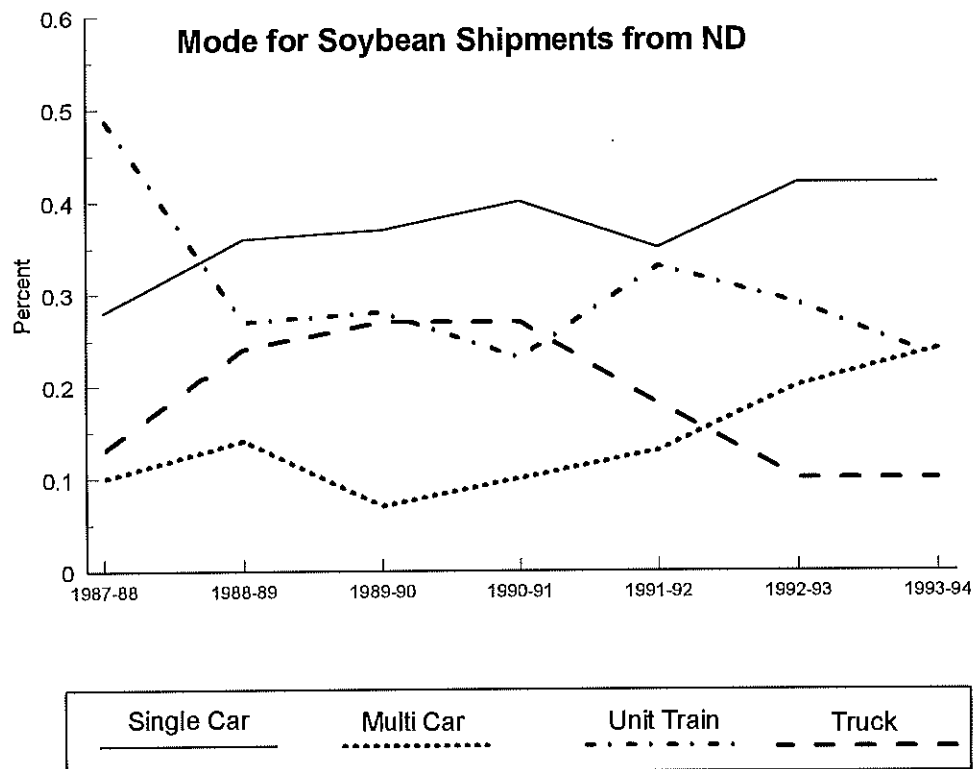


Shipments of Soybeans All ND Elevators by Each Mode

- 1,000 Bushels -

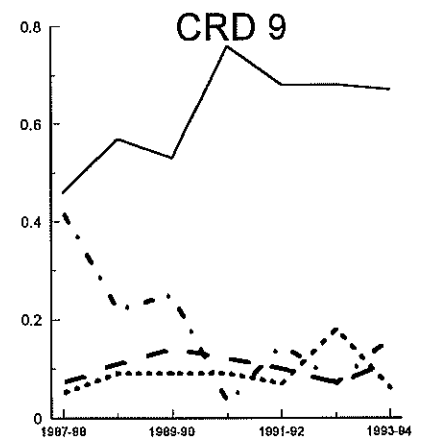
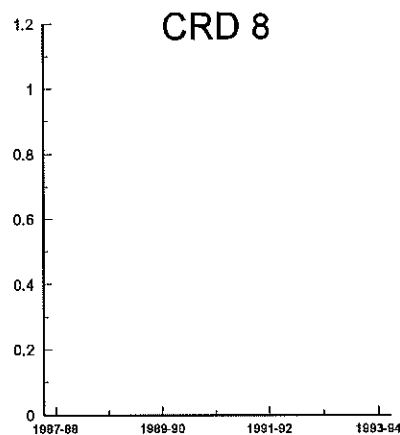
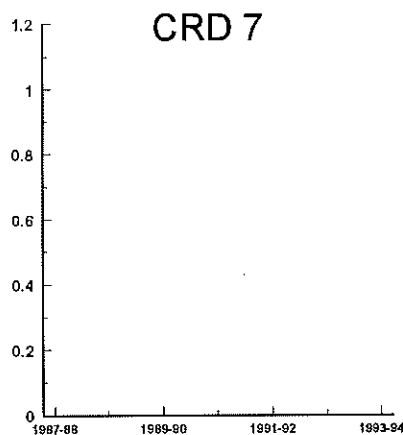
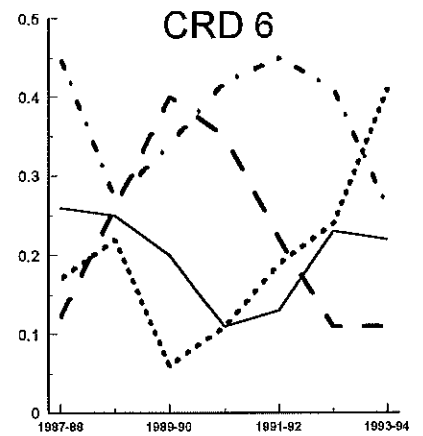
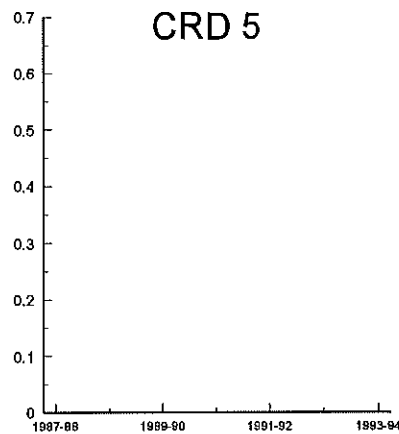
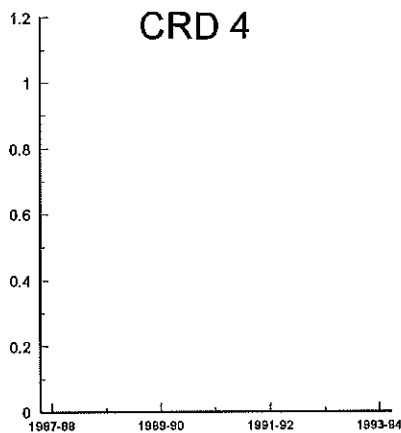
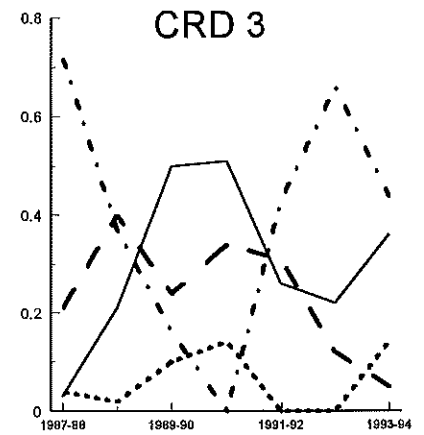
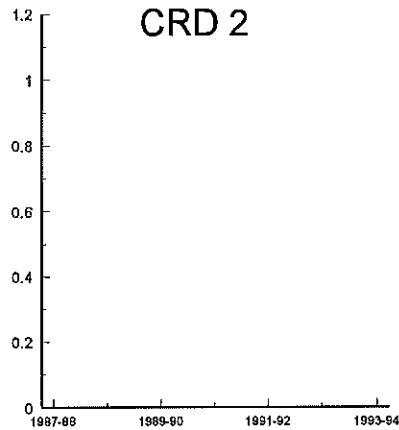
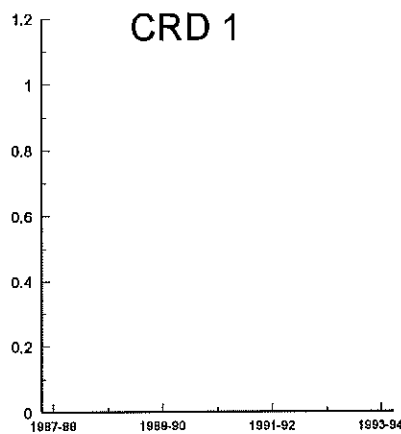
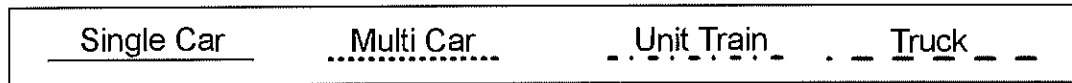


Mode for Soybean Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1988-89	4,346	1,664	3,286	2,866	12,162
	0.36	0.14	0.27	0.24	
1989-90	5,255	1,027	3,926	3,807	14,015
	0.38	0.07	0.28	0.27	
1990-91	4,024	1,068	2,393	2,700	10,185
	0.40	0.10	0.24	0.27	
1991-92	5,837	2,095	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	
1993-94	4,105	2,390	2,294	1,026	9,815
	0.42	0.24	0.23	0.10	



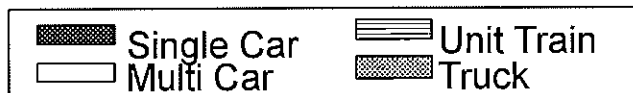
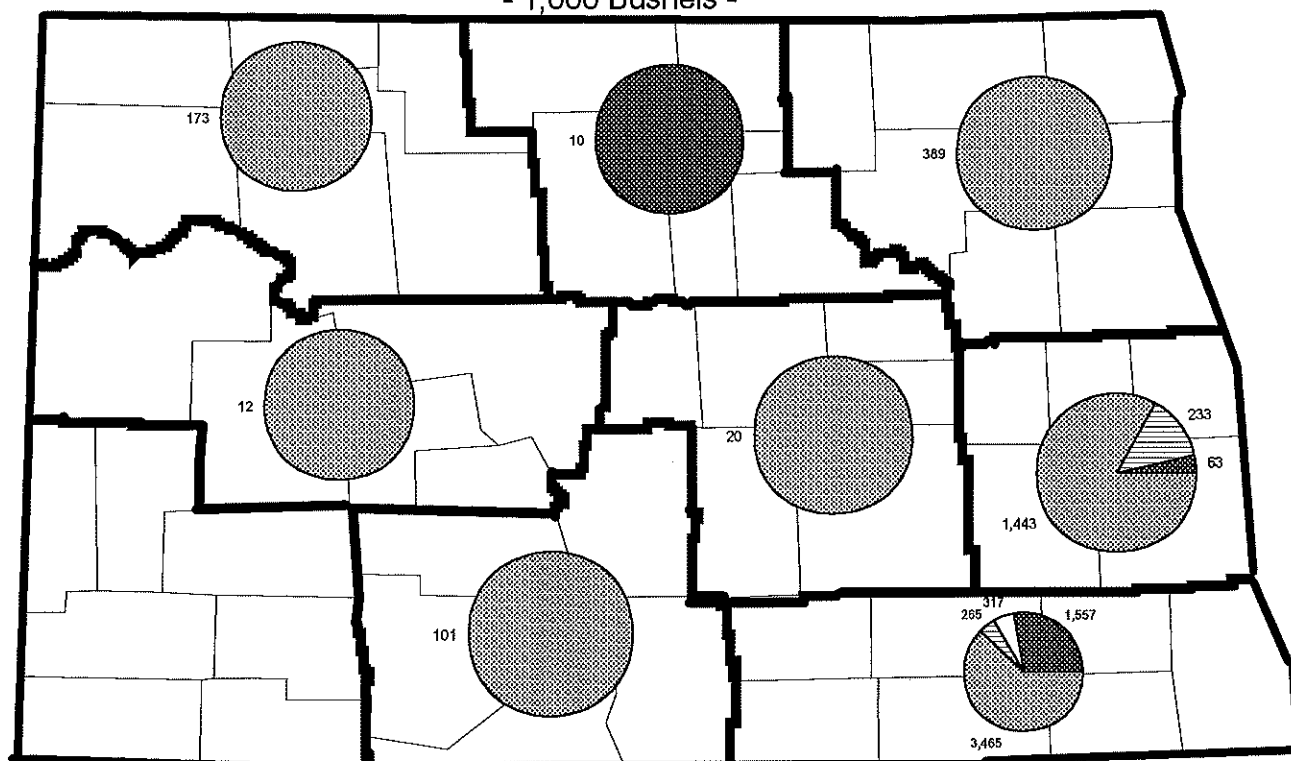
Mode for Soybean Shipments from Each CRD

- Percent -



Mode for Shipments of Corn from Each CRD, 1993-94

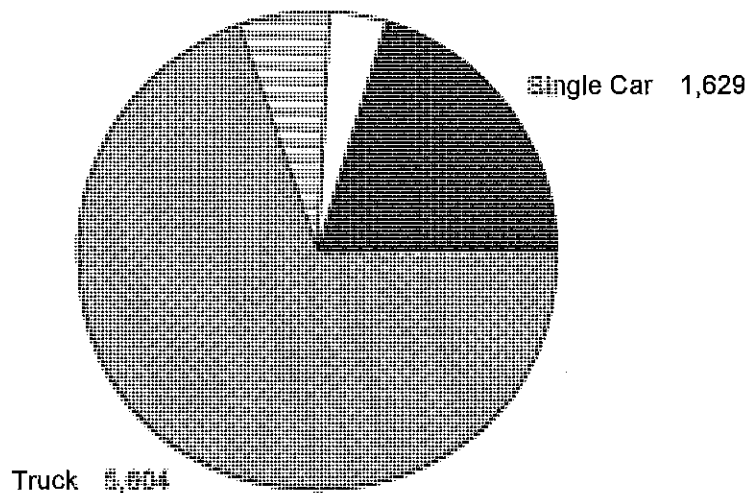
- 1,000 Bushels -



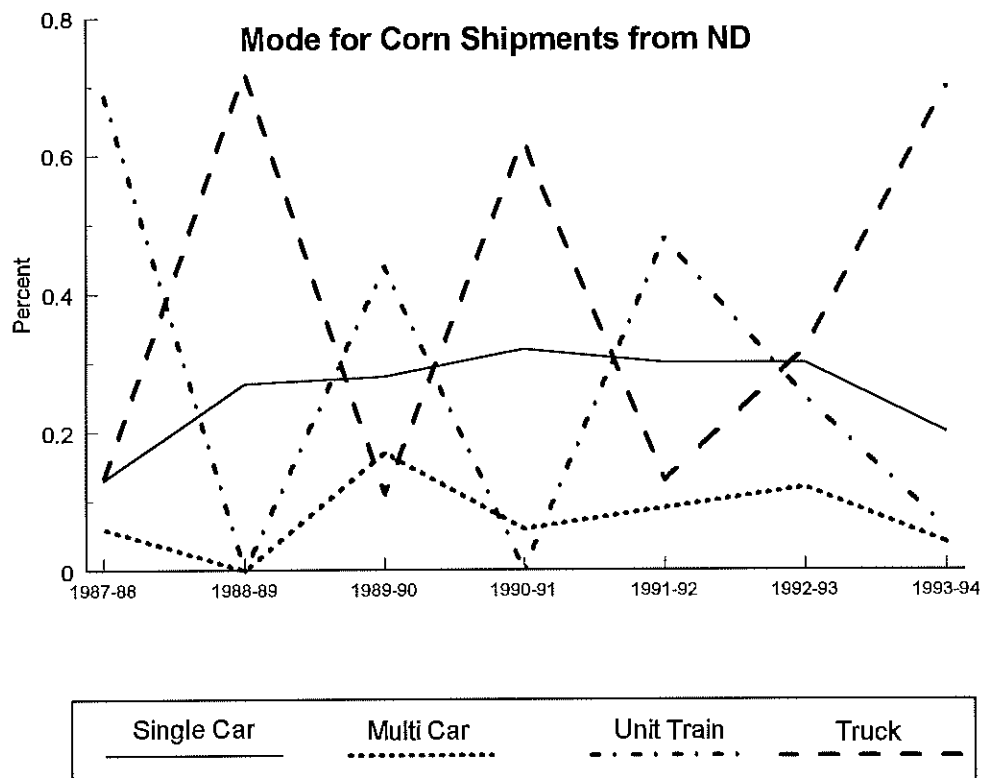
Shipments of Corn All ND Elevators by Each Mode

- 1,000 Bushels -

Unit Train 498 Multi Car 317



Mode for Corn Shipments from ND (1,000 Bushels)					
	Single Car	Multi Car	Unit Train	Truck	Total
1988-89	550	5	2	1,455	2,012
	0.27	0.00	0.00	0.72	
1989-90	9,671	5,764	15,431	3,897	34,763
	0.28	0.17	0.44	0.11	
1990-91	732	127	0	1,400	2,259
	0.32	0.06	0.00	0.62	
1991-92	10,976	3,137	17,388	4,583	36,084
	0.30	0.09	0.48	0.13	
1992-93	5,506	2,128	4,568	5,851	18,053
	0.31	0.12	0.25	0.32	
1993-94	1,629	317	498	5,604	8,048
	0.20	0.04	0.06	0.70	



Mode for Corn Shipments from Each CRD

- Percent -

