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DEPARTMENT OF AGRICULTURE AND APPLIED ECONOMICS
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UPPER GREAT PLAINS TRANSPORTATION INSTITUTE
NORTH DAKOTA STATE UNIVERSITY
FARGO, NORTH DAKOTA

in cooperation with

NORTH DAKOTA STATE WHEAT COMMISSION
BISMARCK, NORTH DAKOTA

and

NORTH DAKOTA PUBLIC SERVICE COMMISSION
BISMARCK, NORTH DAKOTA

NORTH DAKOTA GRAIN TRANSPORTATION STATISTICS
1975-76

UGPTI Report No. 30
April, 1977

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Graduate Assistant

PREFACE

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

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NORTH DAKOTA GRAIN TRANSPORTATION
STATISTICS, 1975-76

Objective of Report

This report represents a continuation of analyses concerned with the patterns and methods of distributing grain from North Dakota. The collection and compilation of this type of data began in 1956-57. The objective of this report, like its predecessors, is to provide the necessary data base for identifying trends in the distribution of grains from North Dakota.

Scope of Report

The data were tabulated according to the major characteristics which typically describe commodity flows. The major characteristics considered were: destination of shipments, mode of shipment, origin of shipment, time of shipment and commodity shipped. These characteristics are defined as follows:

Destination of shipment: Minneapolis-St. Paul, Duluth-Superior, West (includes western states and North Pacific ports) and Miscellaneous Markets.

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

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

Time of shipment: By month, from July, 1975 to June, 1976.

Commodity shipped: Hard red spring wheat, durum, barley, oats, rye and flax.

Source of Data

The data used to analyze the North Dakota grain distribution pattern for the period July, 1975 through June, 1976, were obtained from all country elevators in North Dakota. The source of the data is the North Dakota Public Service Commission's "Grain Movement Reports." Every country elevator in North Dakota is required under state statute to assemble and submit to the Public Service Commission such information desired by the Commission on a monthly basis.

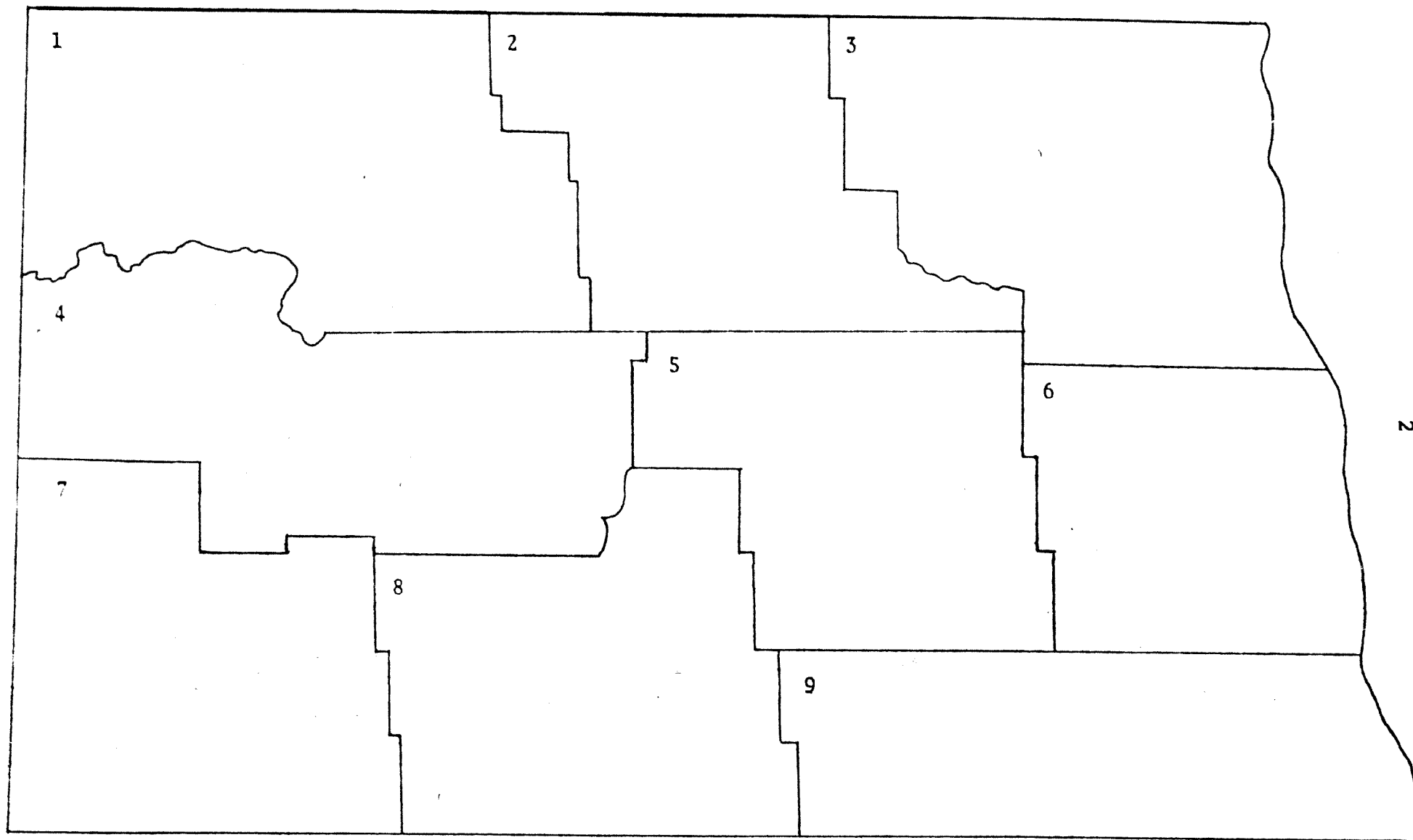


Figure 1. North Dakota Crop Reporting Districts

Organization of the Remainder of the Report

While the same general commodity flow characteristics are considered in this report as in previous reports of this nature, there is a difference in the organization and presentation of the material. The commodity flow characteristic "commodity shipped" is used to delineate major sections of the report. That is, each type of grain, hard red spring wheat, durum, barley, oats, rye and flax, has its own major section. The sections are presented in the order just indicated.

In addition, the number, type and volume of data has been condensed considerably relative to earlier reports with greater reliance placed on the graphical presentation of basic data. It is the intention of this report to get people to understand its content through "reading it for themselves."

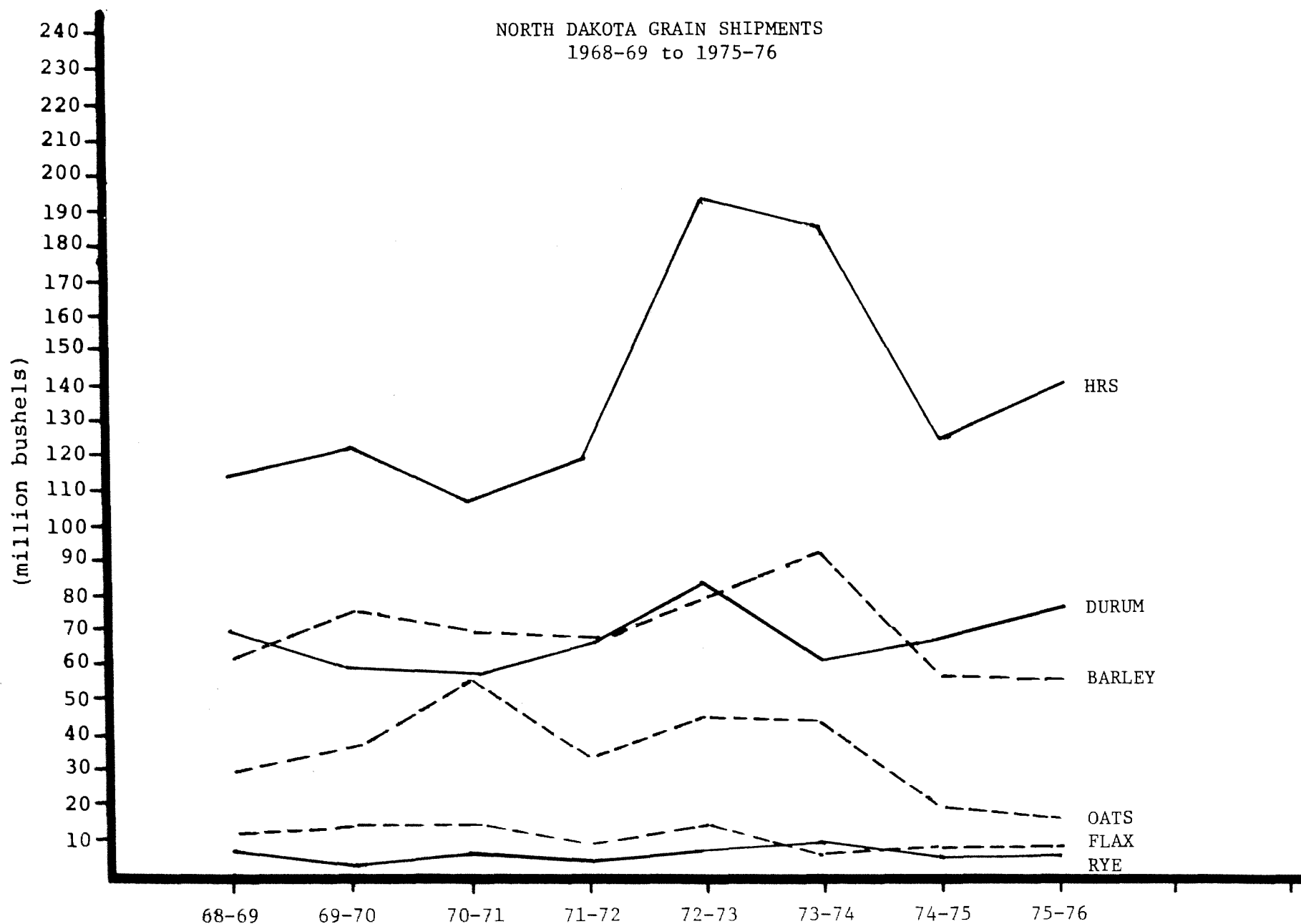
**NORTH DAKOTA GRAIN SHIPMENTS
1968-69 to 1975-76**

NORTH DAKOTA GRAIN SHIPMENTS*
1968-69 to 1975-76

| | 1968-69 | 1969-70 | 1970-71 | 1971-72 | 1972-73 | 1973-74 | 1974-75 | 1975-76 |
|-----------------|----------------|---------|---------|---------|---------|---------|---------|---------|
| | (thousand bu.) | | | | | | | |
| HARD RED SPRING | 113,164 | 120,330 | 105,800 | 119,944 | 191,696 | 183,567 | 122,934 | 139,361 |
| DURUM | 69,589 | 58,540 | 57,317 | 66,184 | 83,351 | 60,758 | 68,781 | 74,817 |
| BARLEY | 60,869 | 74,528 | 68,996 | 68,436 | 78,384 | 91,739 | 56,671 | 56,355 |
| OATS | 29,296 | 37,008 | 55,049 | 32,009 | 44,222 | 41,338 | 19,322 | 15,104 |
| RYE | 4,580 | 1,672 | 4,675 | 3,701 | 5,009 | 7,721 | 2,513 | 3,293 |
| FLAX | 11,788 | 13,133 | 13,540 | 8,796 | 11,411 | 6,871 | 5,300 | 6,590 |
| TOTAL | 289,286 | 305,211 | 305,377 | 299,071 | 414,073 | 391,994 | 275,527 | 295,520 |

*Includes CCC shipments.

NORTH DAKOTA GRAIN SHIPMENTS 1968-69 to 1975-76



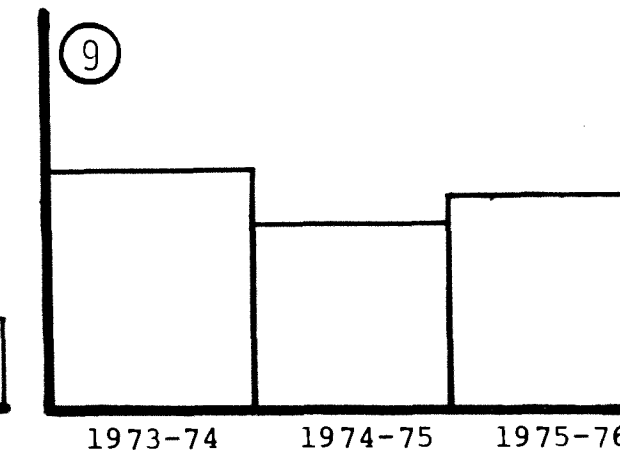
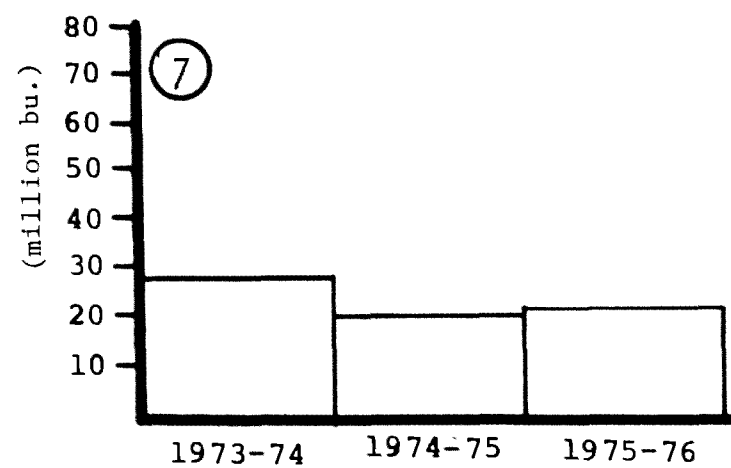
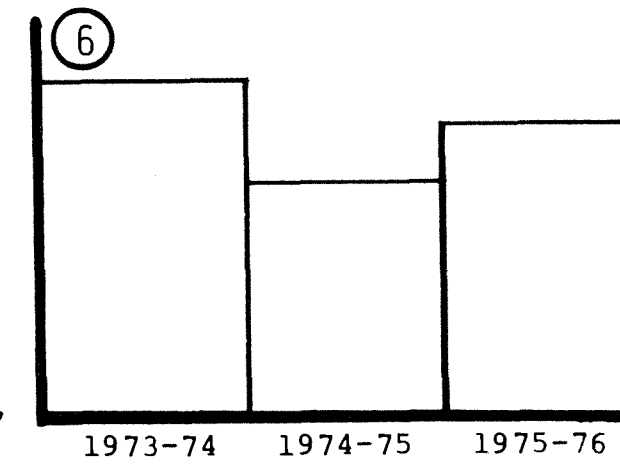
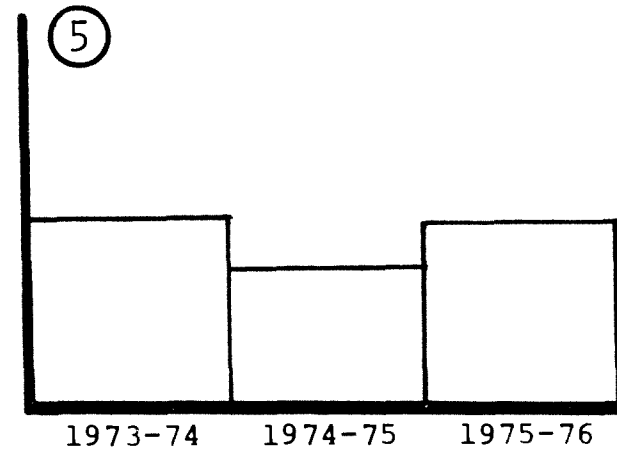
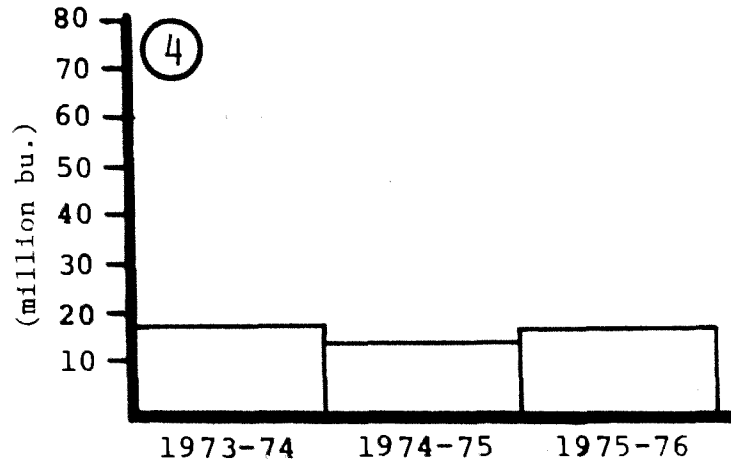
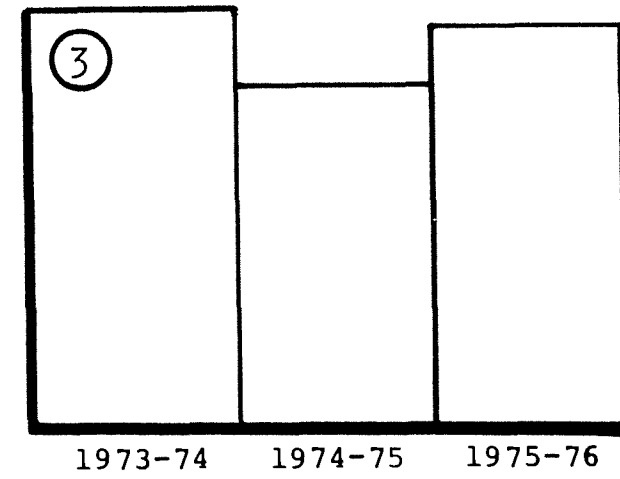
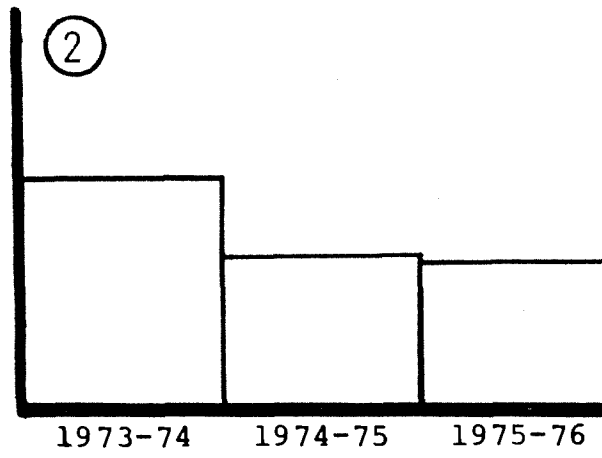
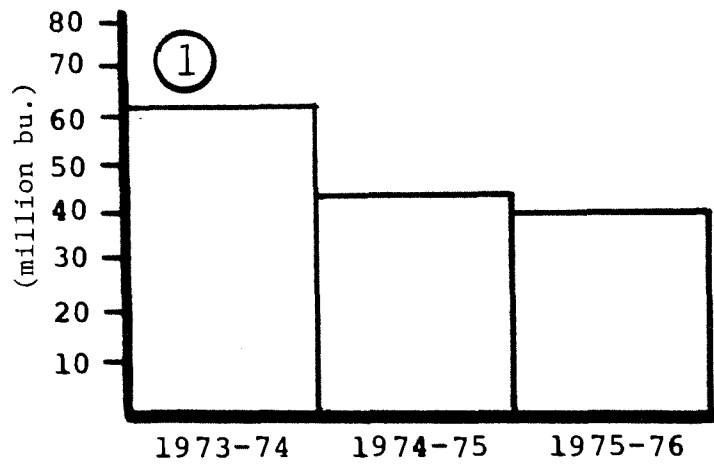
NORTH DAKOTA GRAIN SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

NORTH DAKOTA GRAIN SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)*

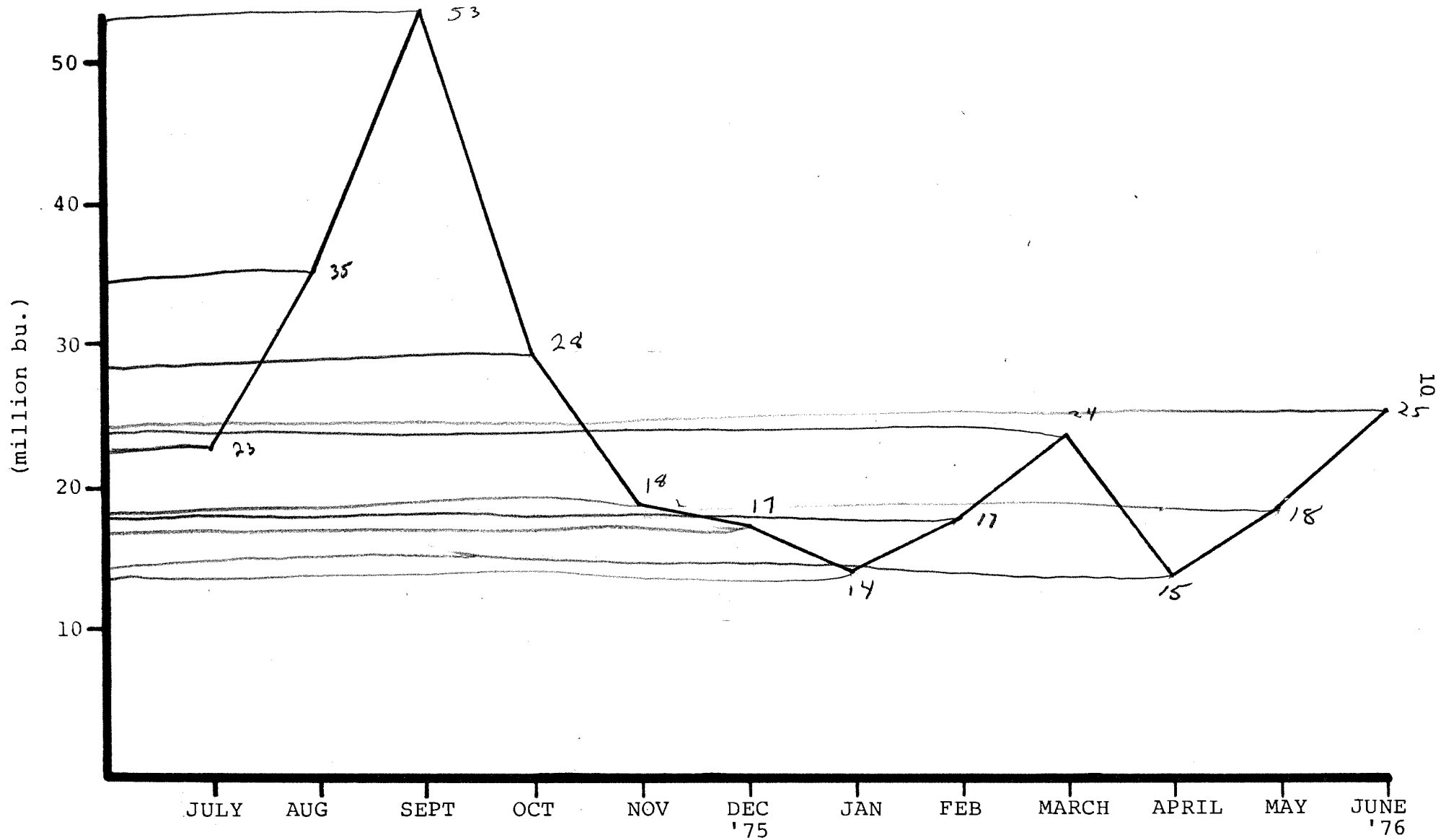
| CROP REPORTING DISTRICT | 1973-74 | 1974-75 | 1975-76 |
|----------------------------|---------|---------|---------|
| (thousand bu.) | | | |
| 1 | 60,727 | 41,743 | 39,254 |
| 2 | 42,948 | 28,136 | 27,362 |
| 3 | 83,943 | 64,109 | 78,193 |
| 4 | 18,446 | 10,822 | 13,941 |
| 5 | 36,720 | 25,508 | 33,031 |
| 6 | 62,986 | 43,074 | 55,875 |
| 7 | 28,718 | 19,499 | 20,044 |
| 8 | 11,741 | 7,692 | 12,834 |
| 9 | 44,866 | 31,690 | 39,748 |

*Includes hard red spring, durum, barley, oats, rye, flax and miscellaneous commodities.

NORTH DAKOTA GRAIN SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)



NORTH DAKOTA GRAIN SHIPMENTS BY MONTH
July, 1975 - June, 1976

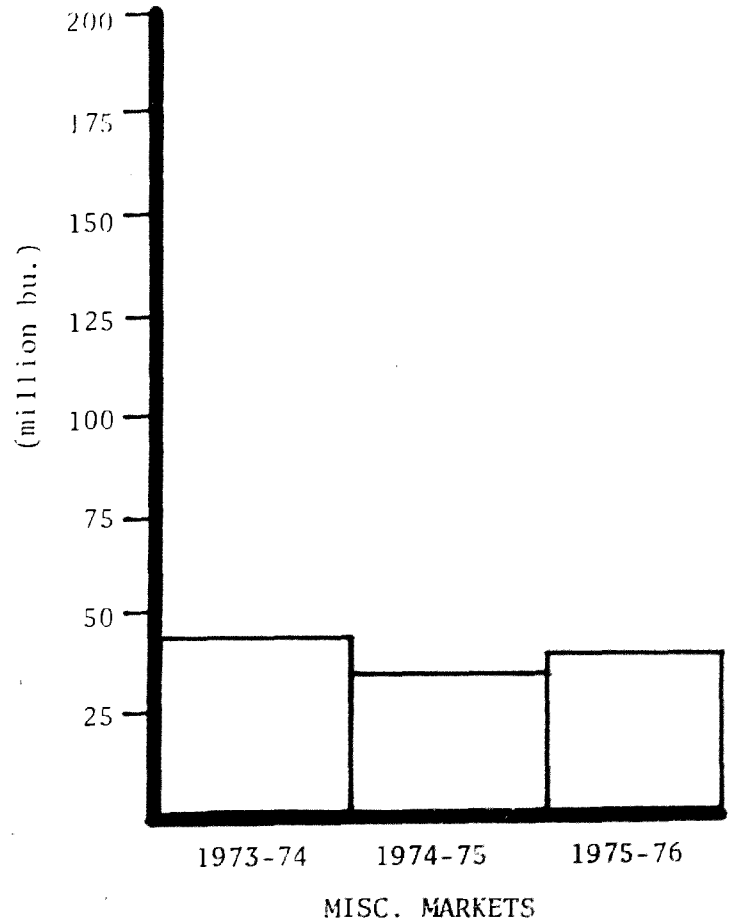
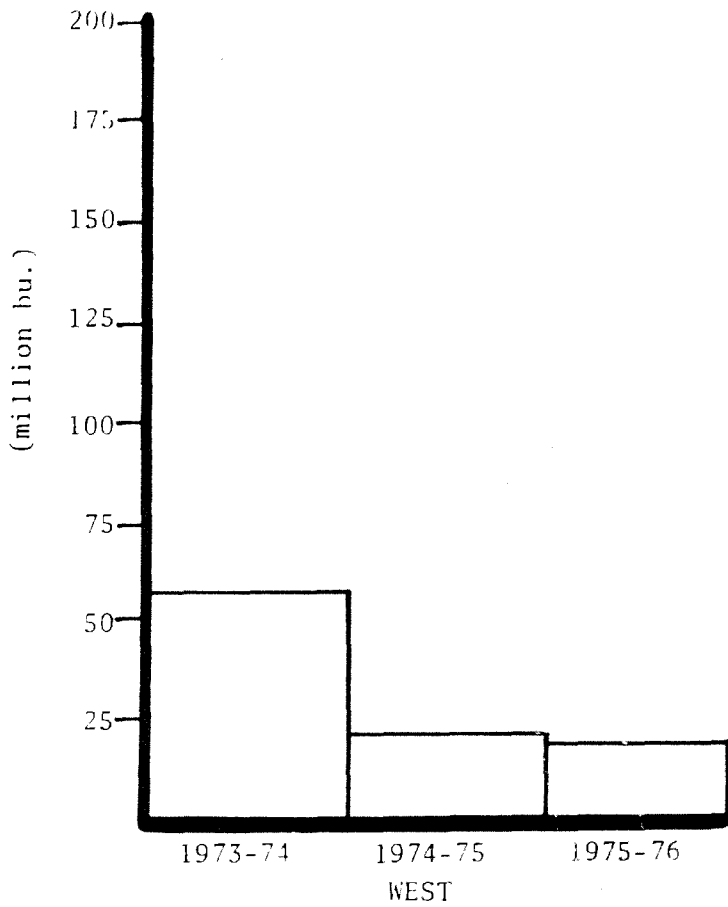
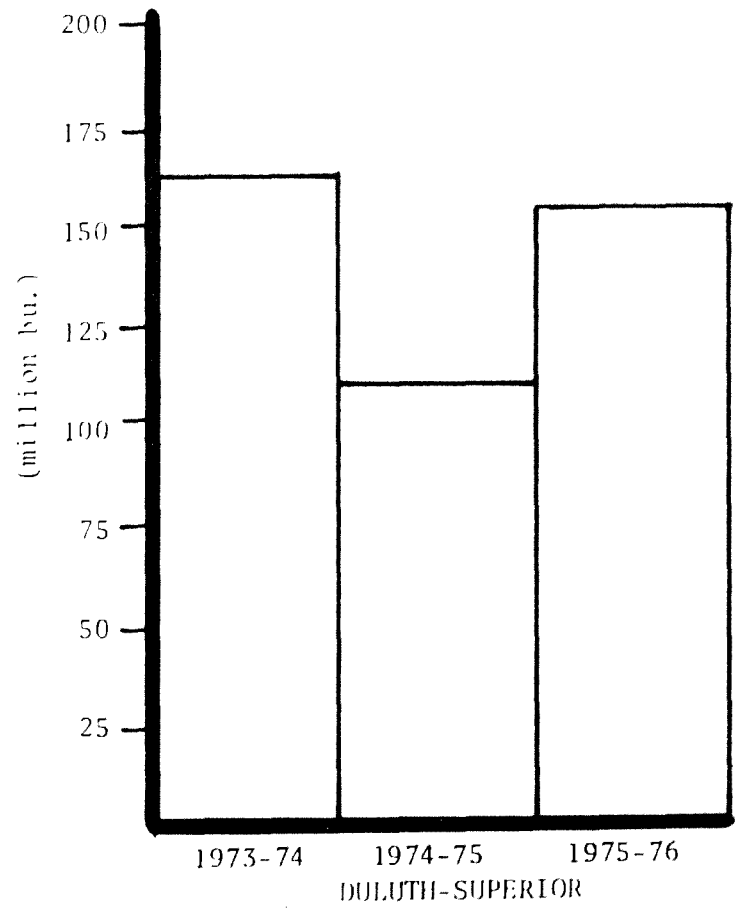
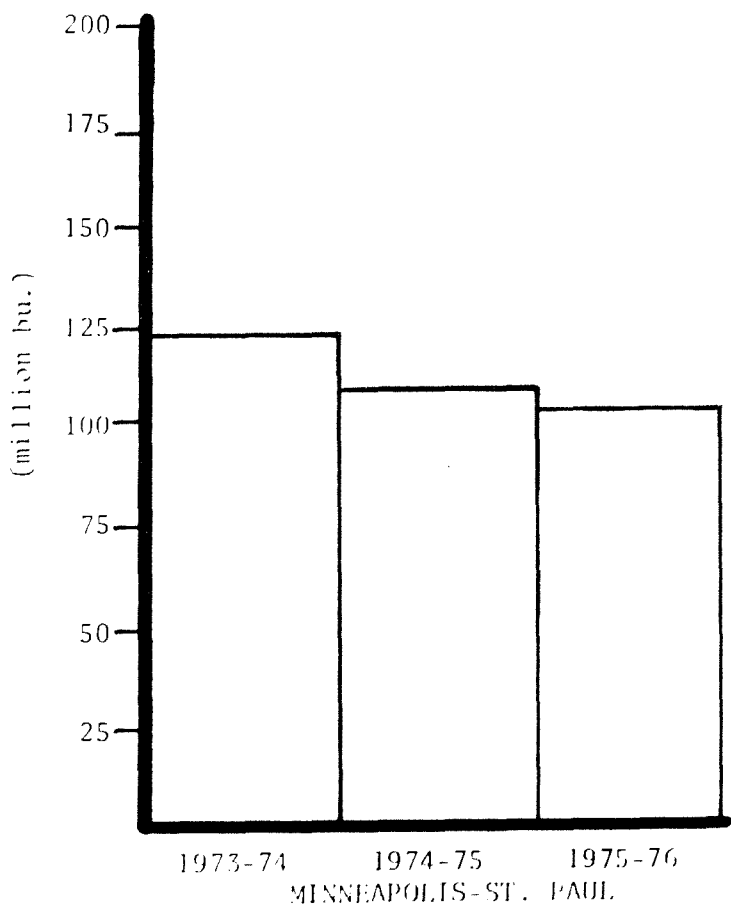


NORTH DAKOTA GRAIN SHIPMENTS
BY DESTINATION

NORTH DAKOTA GRAIN SHIPMENTS
BY DESTINATION

| DESTINATION | 1973-74 | 1974-75 | 1975-76 |
|-----------------------|---------------|---------------|---------------|
| MINNEAPOLIS-ST. PAUL | 124,165 | 108,093 | 104,900 |
| DULUTH-SUPERIOR | 165,081 | 109,585 | 152,514 |
| WEST | 57,612 | 23,827 | 22,031 |
| MISCELLANEOUS MARKETS | <u>45,133</u> | <u>33,982</u> | <u>40,840</u> |
| TOTAL | 391,991 | 275,487 | 320,285 |

NORTH DAKOTA GRAIN SHIPMENTS BY DESTINATION
1973-74 to 1975-76

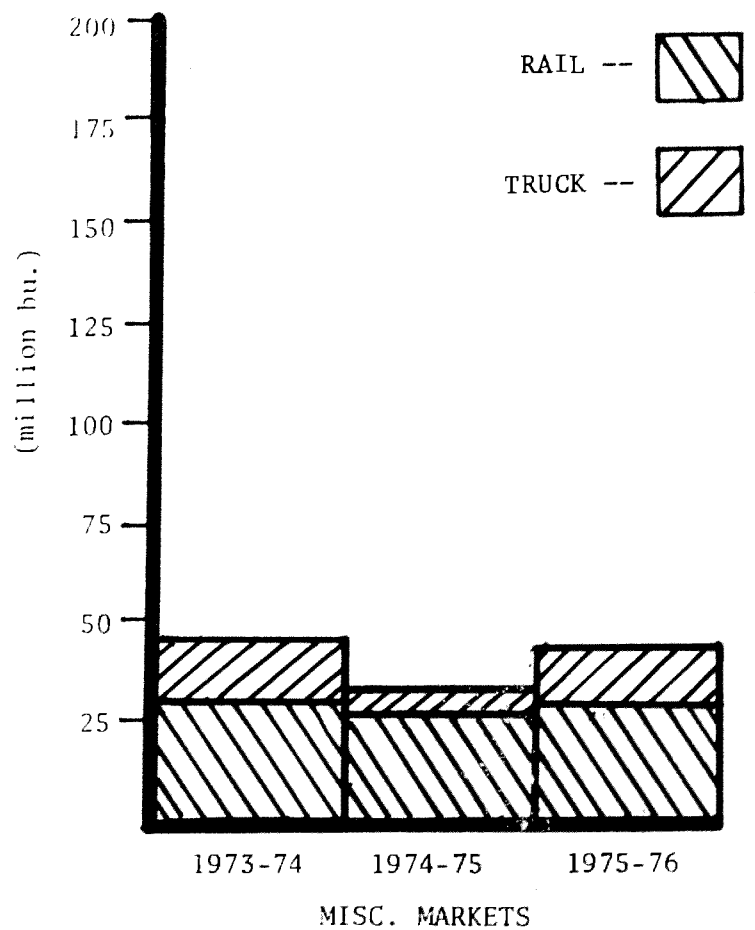
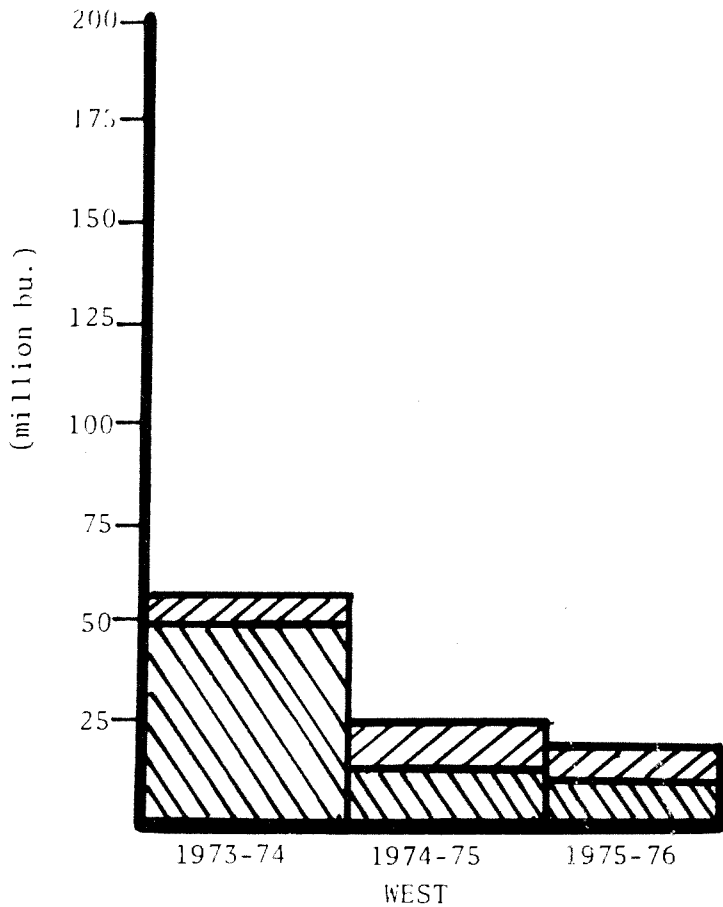
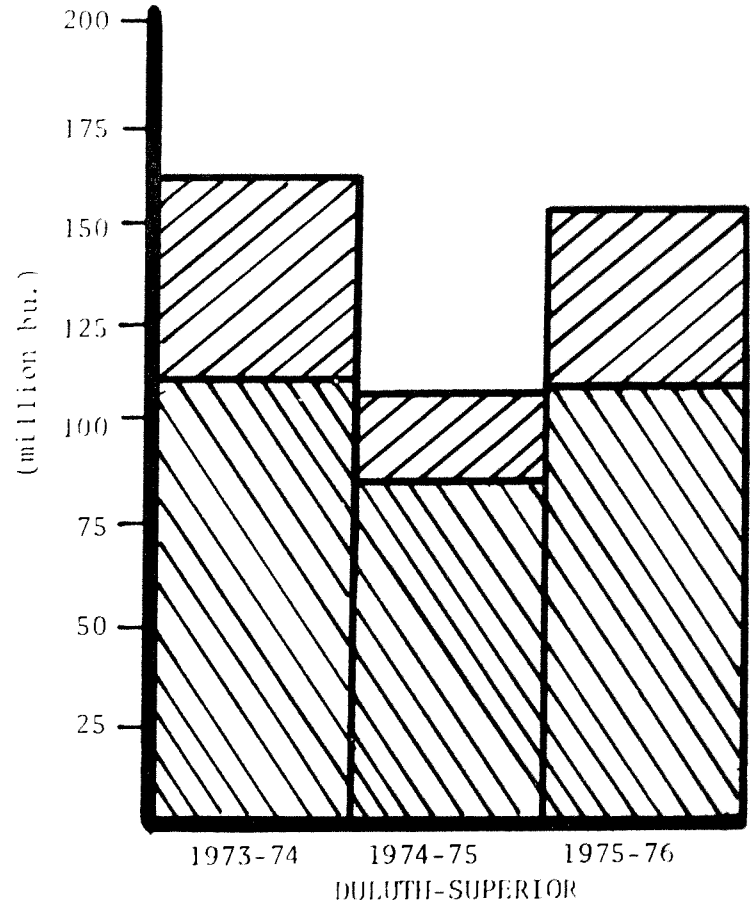
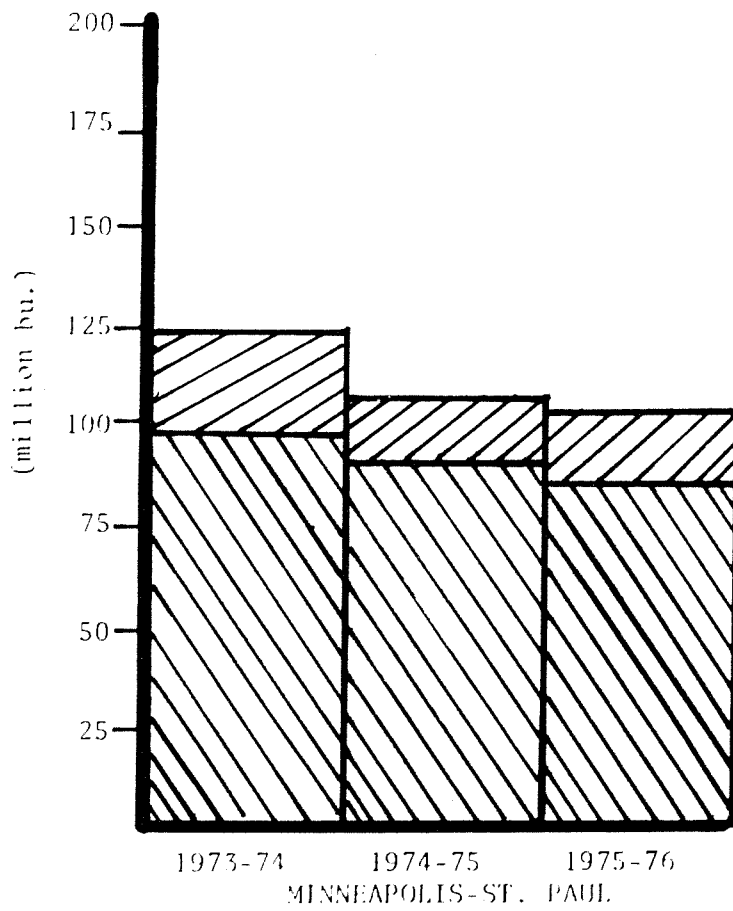


NORTH DAKOTA GRAIN SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

NORTH DAKOTA GRAIN SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

| DESTINATION | 1973-74 | | 1974-75 | | 1975-76 | |
|------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| | RAIL | TRUCK | RAIL | TRUCK | RAIL | TRUCK |
| MINN.-ST. PAUL | 97,664 (79%) | 26,501 (21%) | 90,556 (84%) | 17,537 (16%) | 83,290 (79%) | 21,610 (21%) |
| DULLUTH-SUPERIOR | 112,434 (68%) | 52,647 (32%) | 88,428 (81%) | 21,157 (19%) | 110,012 (72%) | 42,502 (28%) |
| WEST | 49,690 (86%) | 7,922 (14%) | 17,148 (72%) | 6,679 (28%) | 15,376 (70%) | 6,654 (30%) |
| MISC. MARKETS | 31,024 (69%) | 14,109 (31%) | 25,790 (76%) | 8,192 (24%) | 27,813 (68%) | 13,027 (32%) |
| TOTAL | 290,812 (74%) | 101,179 (26%) | 221,922 (81%) | 53,565 (19%) | 236,491 (74%) | 83,793 (26%) |

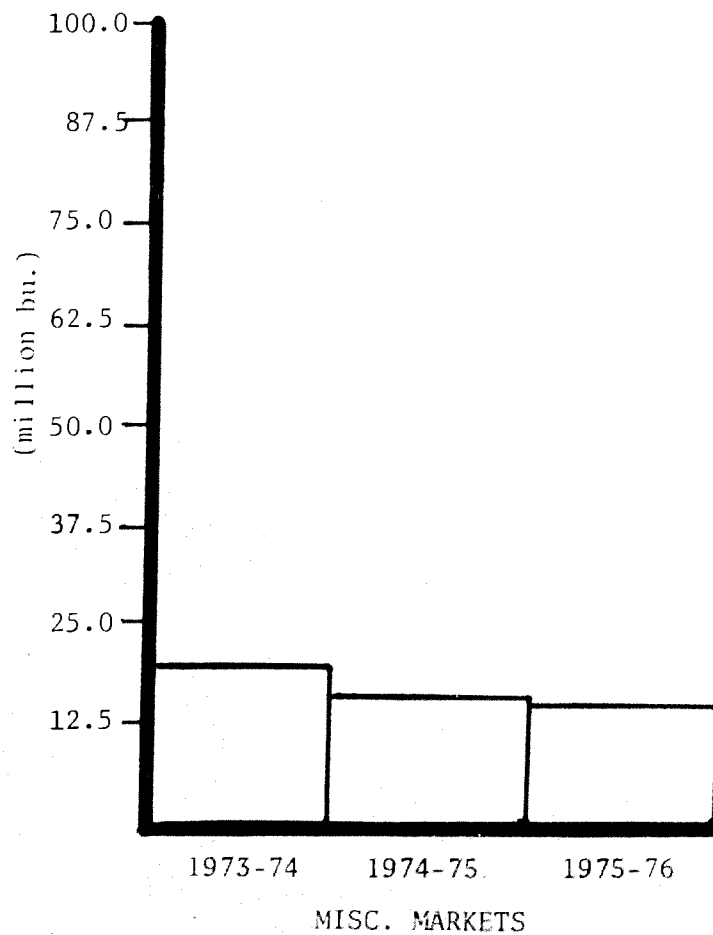
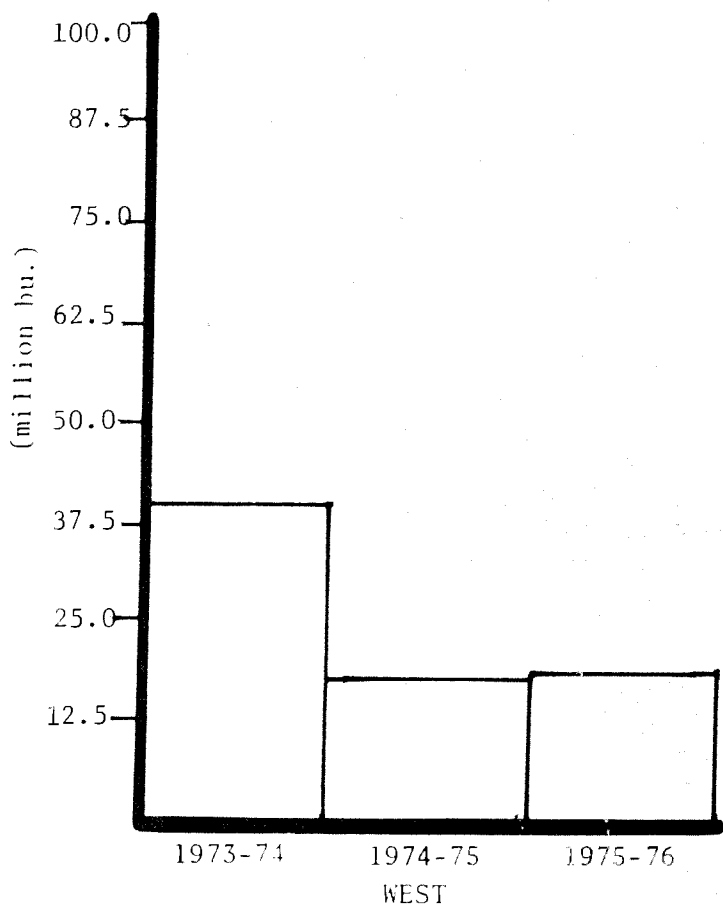
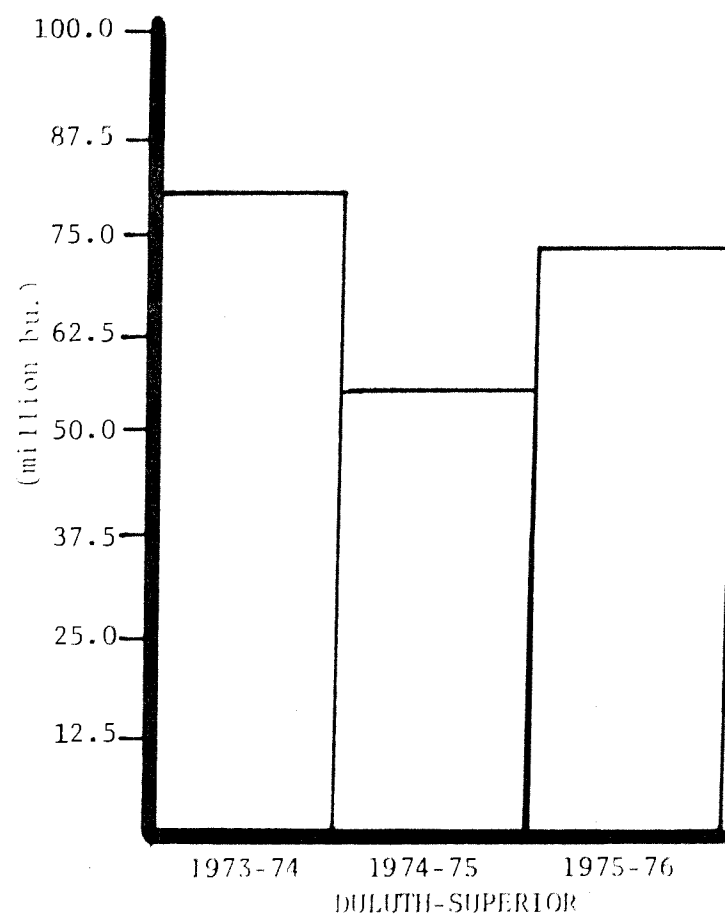
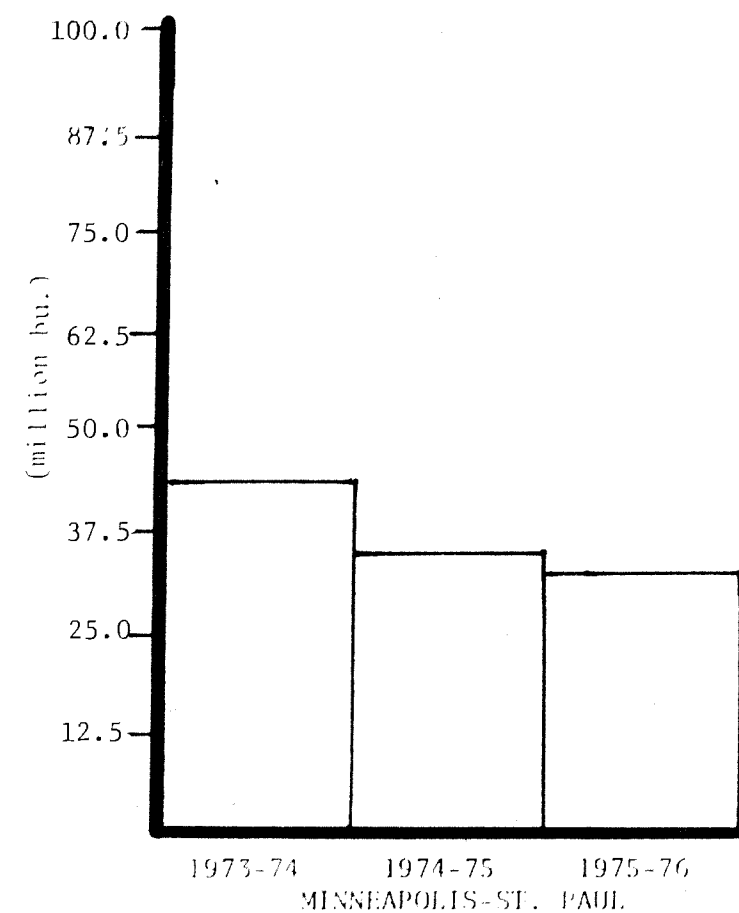
NORTH DAKOTA GRAIN SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION
1973-74 to 1975-76



NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION

NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION

| DESTINATION | 1973-74 | 1974-75 | 1975-76 |
|-----------------------|----------------|---------|---------|
| | (thousand bu.) | | |
| MINNEAPOLIS-ST. PAUL | 42,962 | 35,485 | 32,855 |
| DULUTH-SUPERIOR | 80,462 | 54,419 | 74,467 |
| WEST | 39,295 | 17,713 | 17,788 |
| MISCELLANEOUS MARKETS | 20,847 | 15,317 | 14,253 |

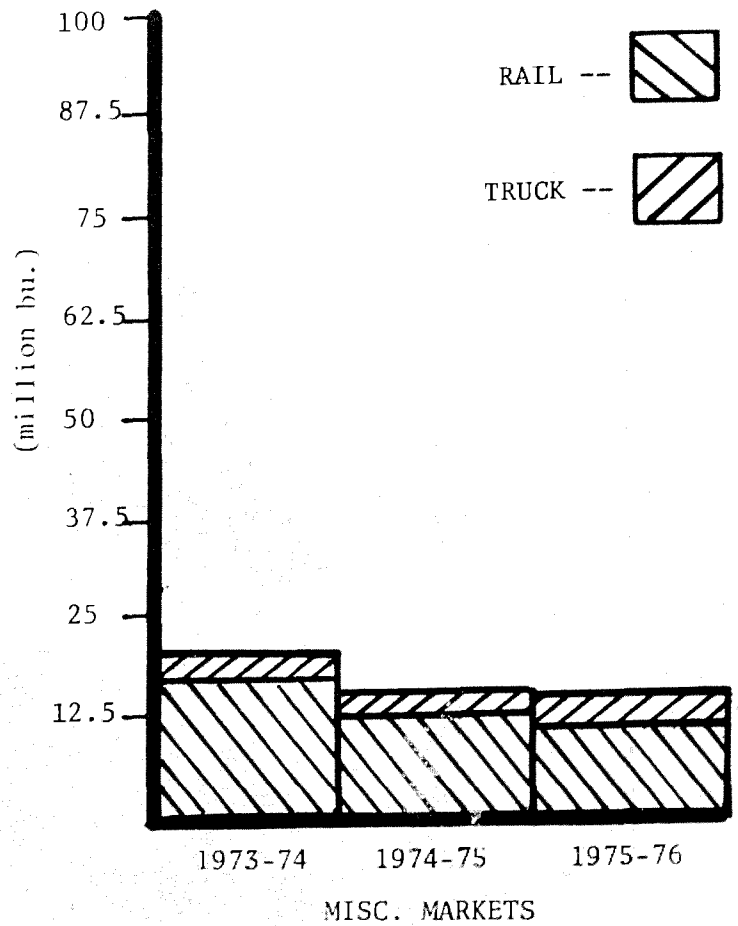
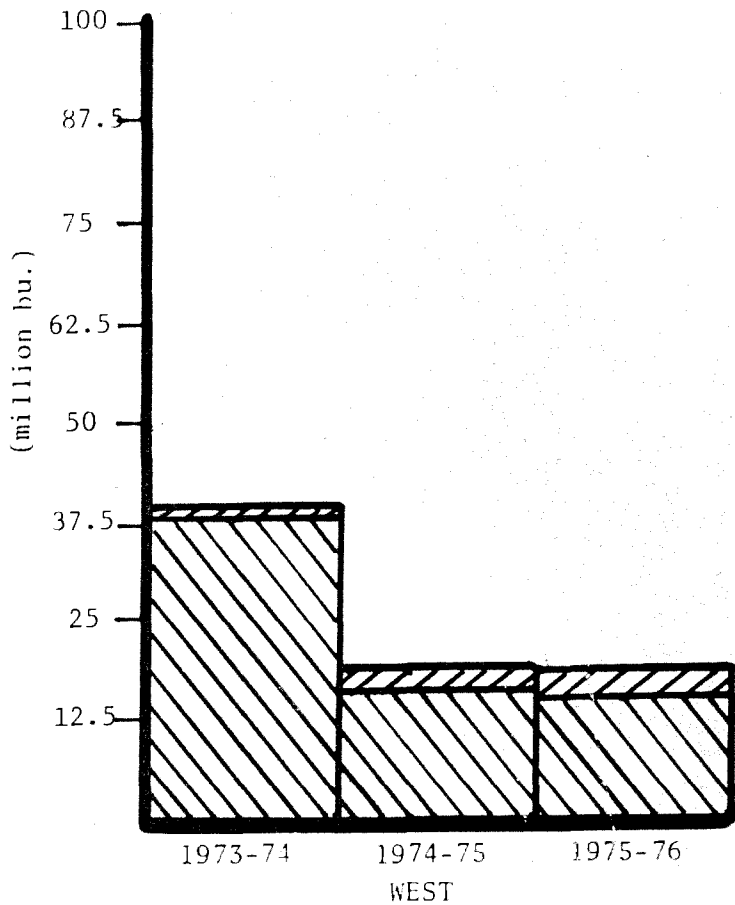
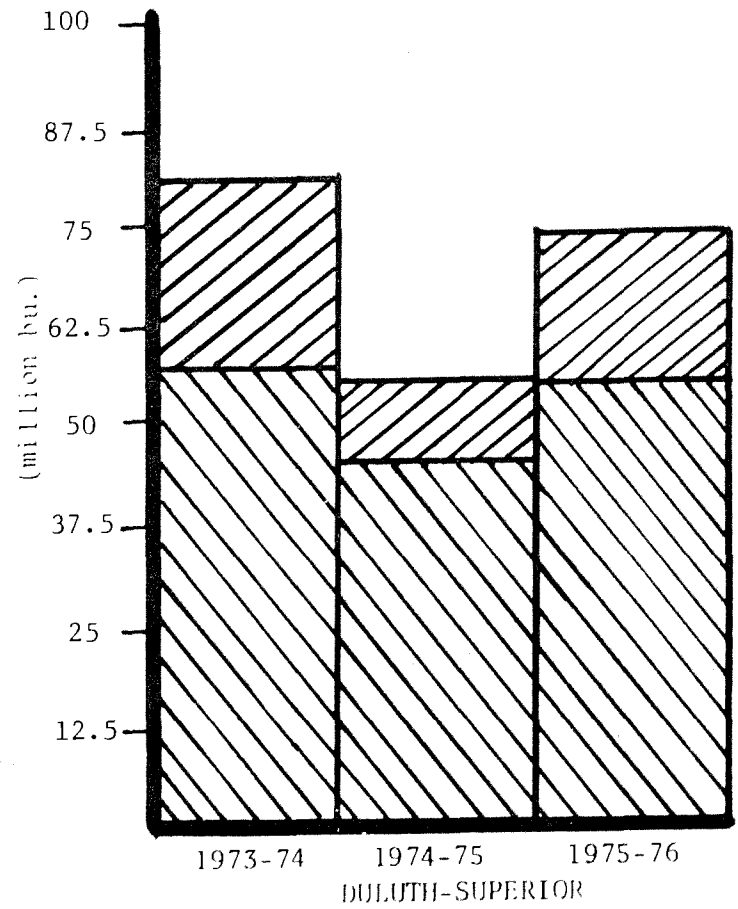
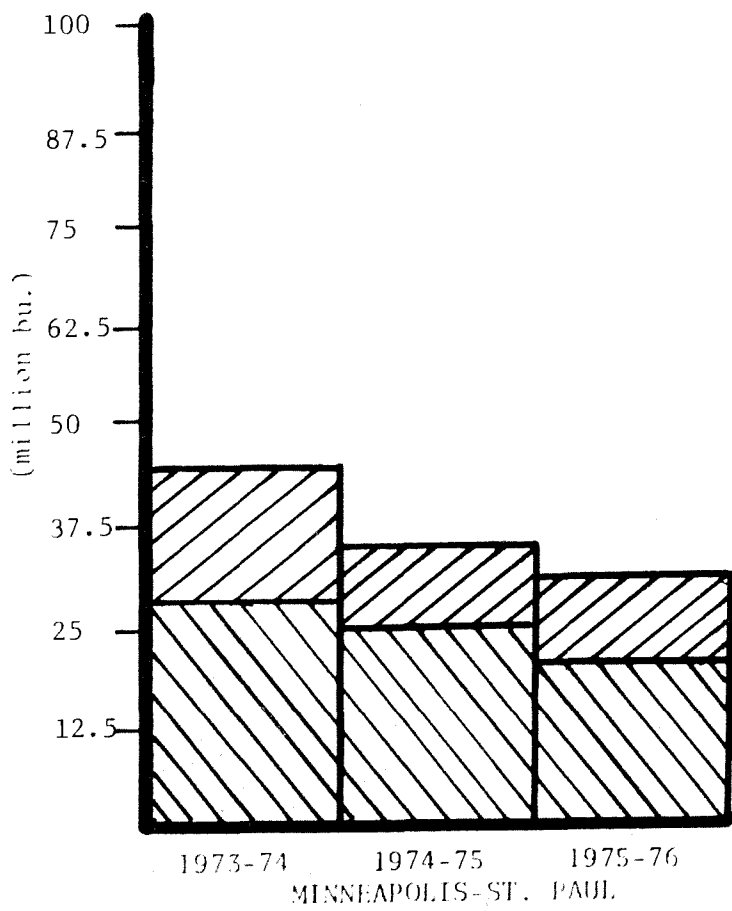
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS
BY DESTINATION

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

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

| DESTINATION | 1973-74 | | 1974-75 | | 1975-76 | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | RAIL | TRUCK | RAIL | TRUCK | RAIL | TRUCK |
| | (thousand bu.) | | | | | |
| MINN.-ST. PAUL | 27,760 (65%) | 15,202 (35%) | 25,518 (72%) | 9,967 (28%) | 21,832 (66%) | 11,023 (34%) |
| DULUTH-SUPERIOR | 57,777 (72%) | 22,685 (28%) | 44,216 (81%) | 10,203 (19%) | 54,310 (73%) | 20,157 (27%) |
| WEST | 38,032 (97%) | 1,263 (3%) | 15,566 (88%) | 2,147 (12%) | 14,261 (80%) | 3,527 (20%) |
| MISC. MARKETS | 17,759 (85%) | 3,088 (15%) | 12,184 (80%) | 3,132 (20%) | 11,421 (80%) | 2,832 (20%) |

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

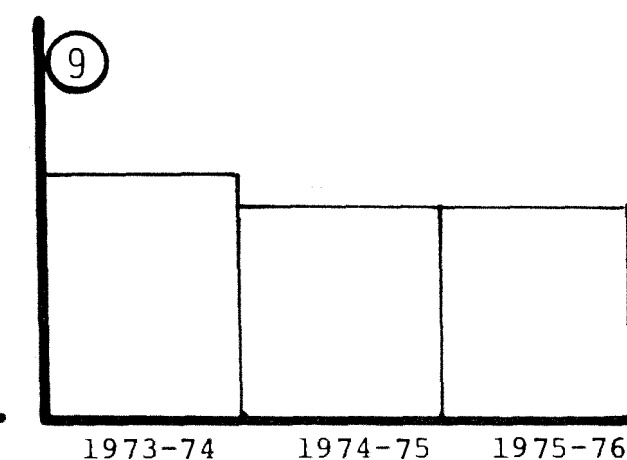
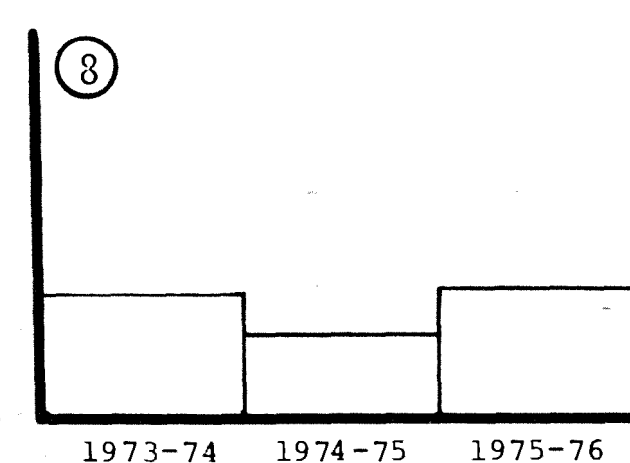
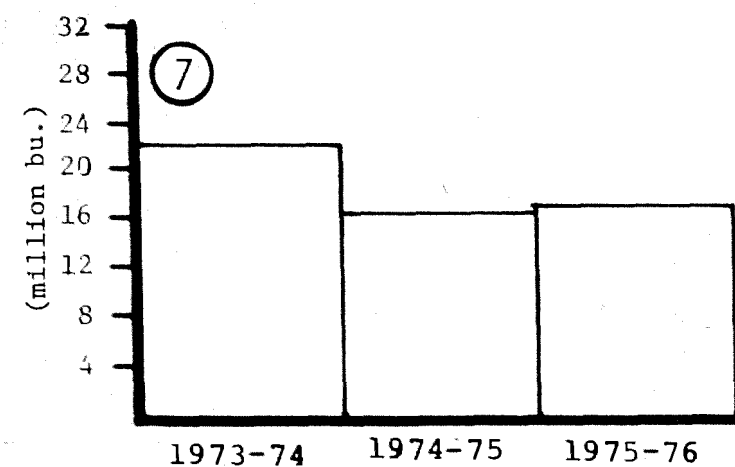
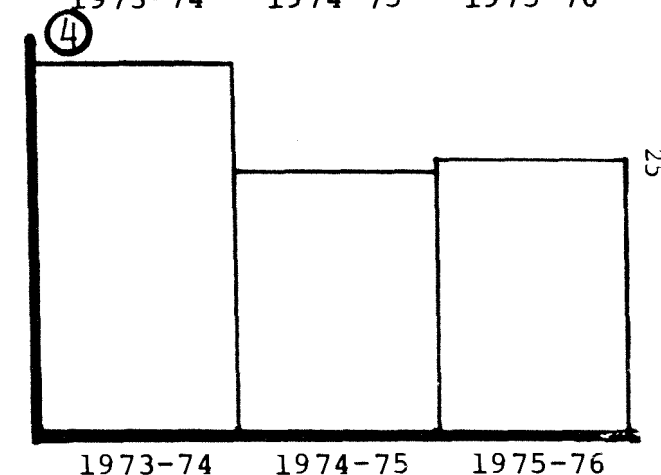
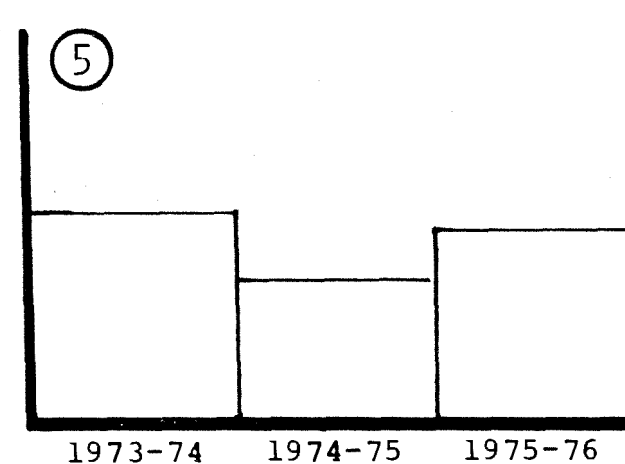
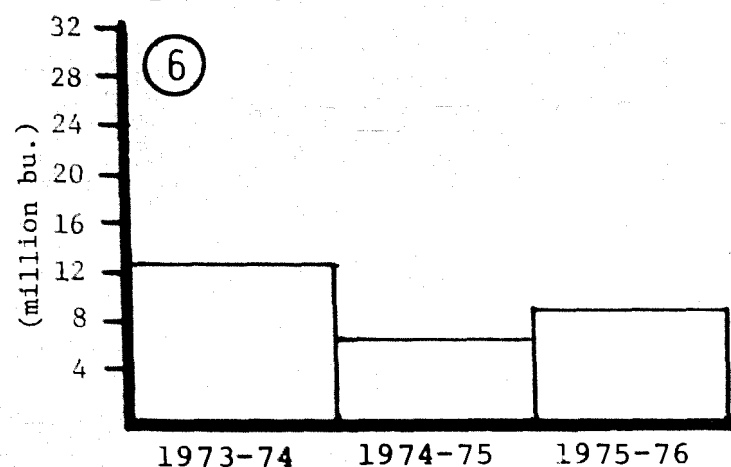
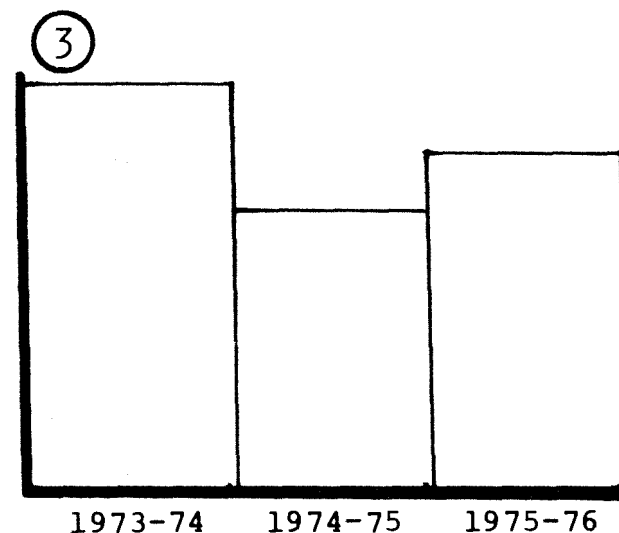
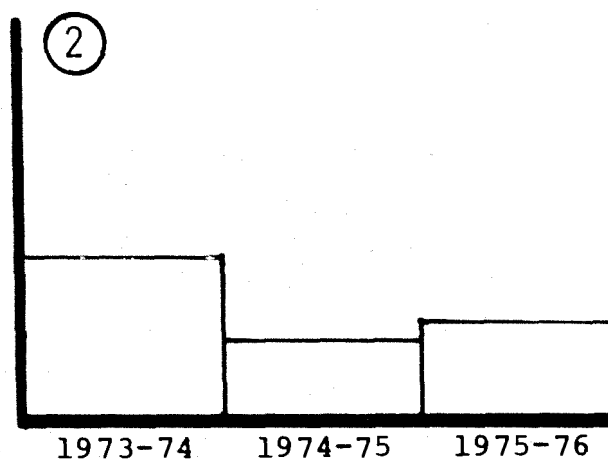
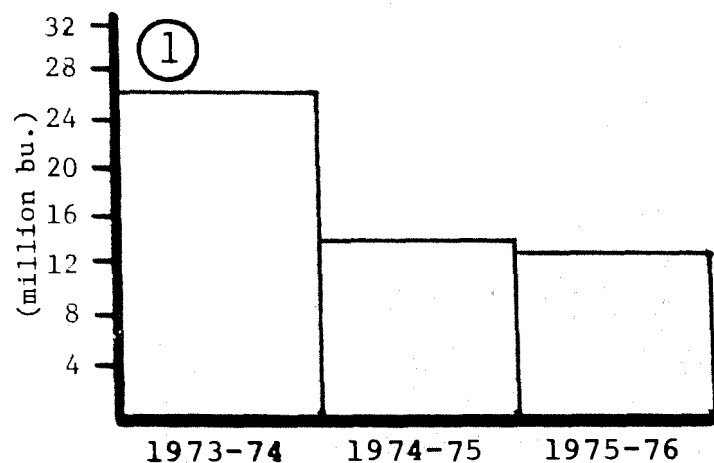


NORTH DAKOTA HARD RED SPRING WHEAT
SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)

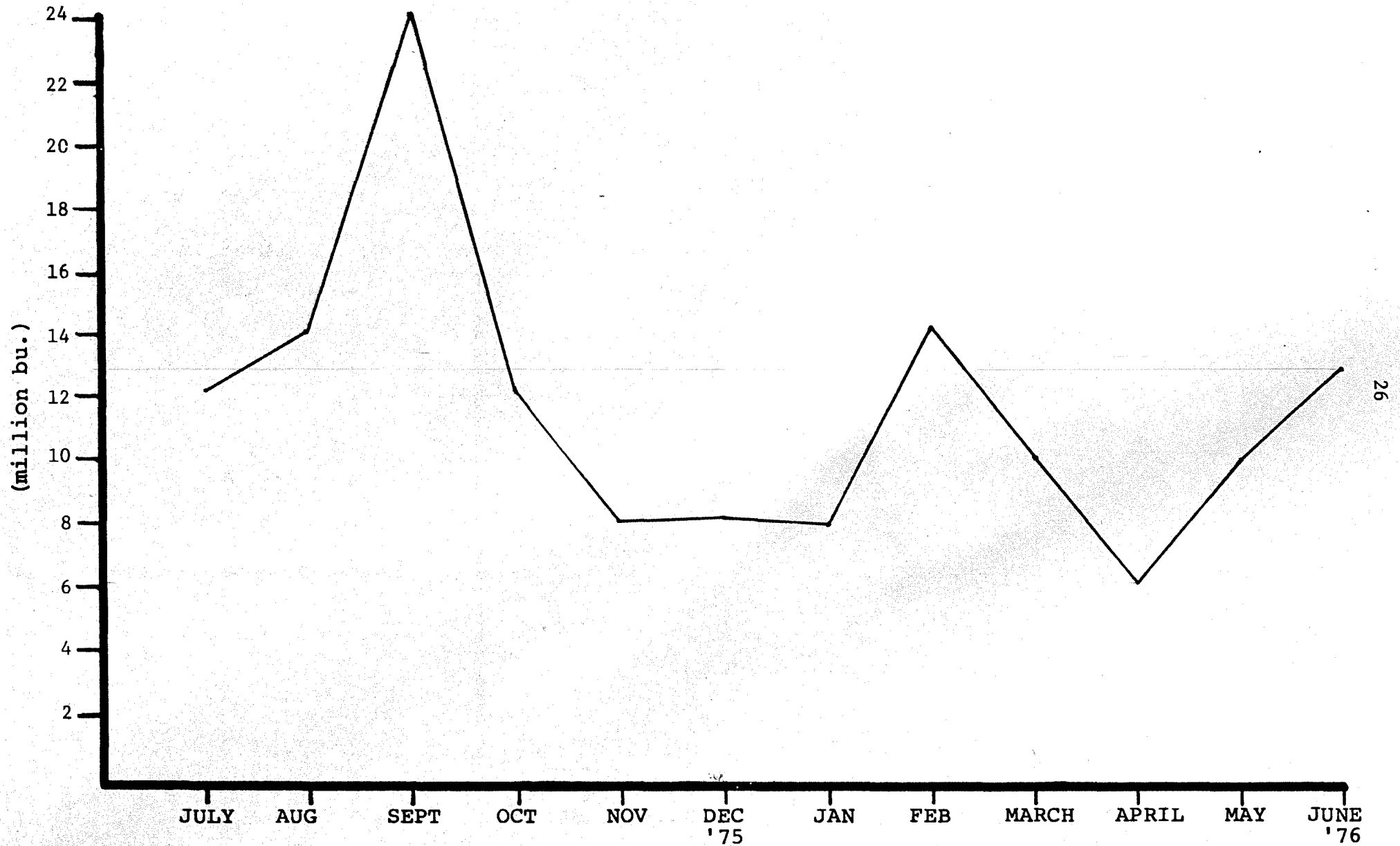
NORTH DAKOTA HARD RED SPRING WHEAT
SHIPMENTS BY ORIGIN (CROP REPORTING DISTRICT)

| CROP REPORTING DISTRICT | 1973-74 | 1974-75 | 1975-76 |
|----------------------------|----------------|---------|---------|
| | (thousand bu.) | | |
| 1 | 26,866 | 14,472 | 13,179 |
| 2 | 12,282 | 6,279 | 7,872 |
| 3 | 32,677 | 22,893 | 27,698 |
| 4 | 12,687 | 6,955 | 8,821 |
| 5 | 16,569 | 11,473 | 15,695 |
| 6 | 30,288 | 21,393 | 22,962 |
| 7 | 22,596 | 16,138 | 16,422 |
| 8 | 9,911 | 6,609 | 9,993 |
| 9 | 19,693 | 16,720 | 16,720 |

NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICTS)



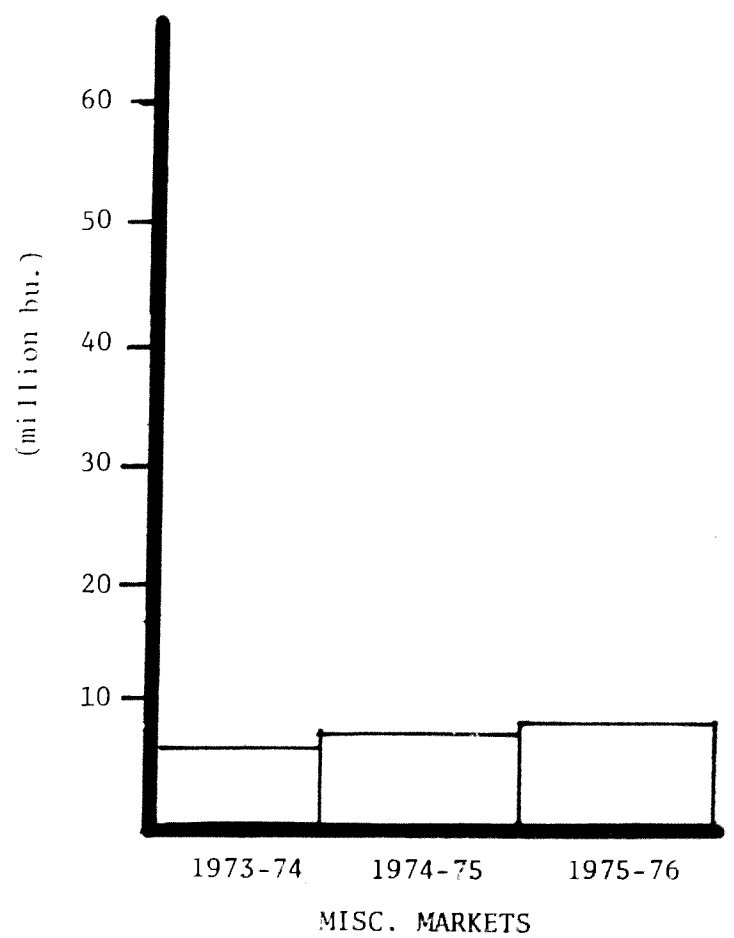
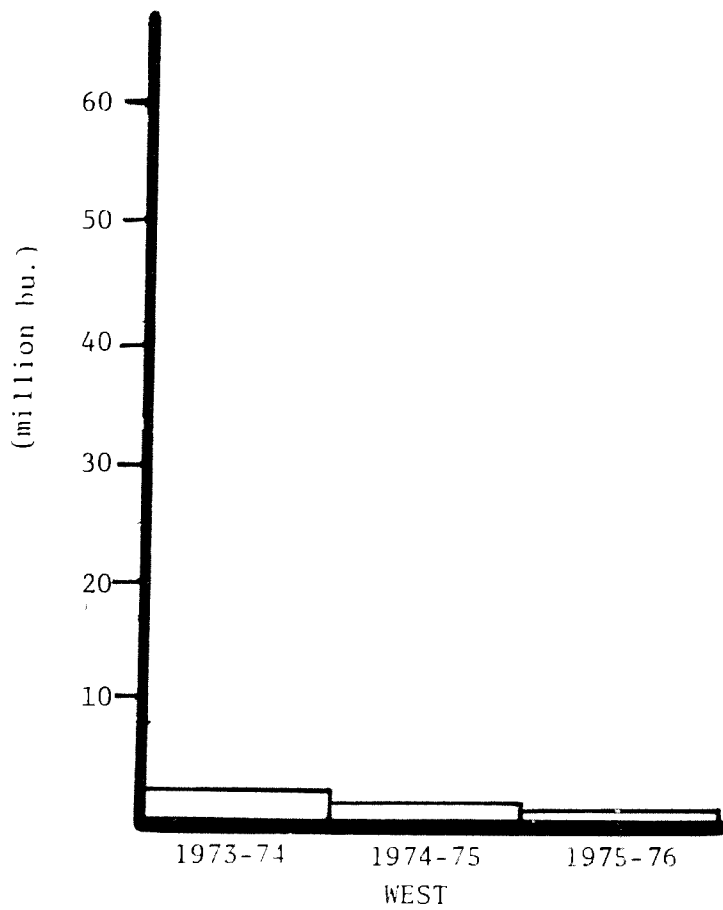
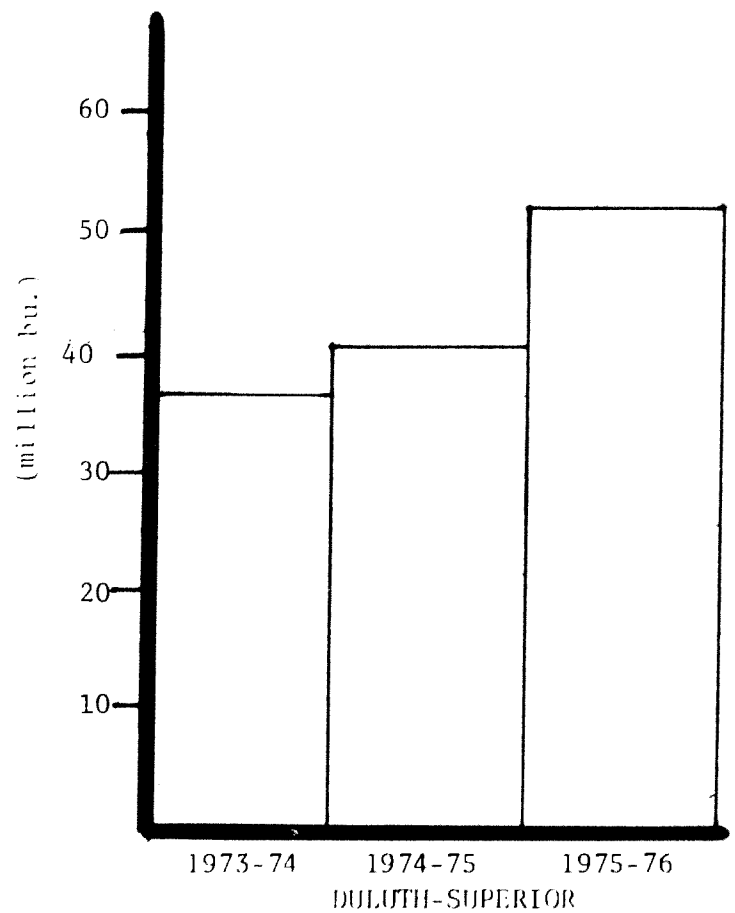
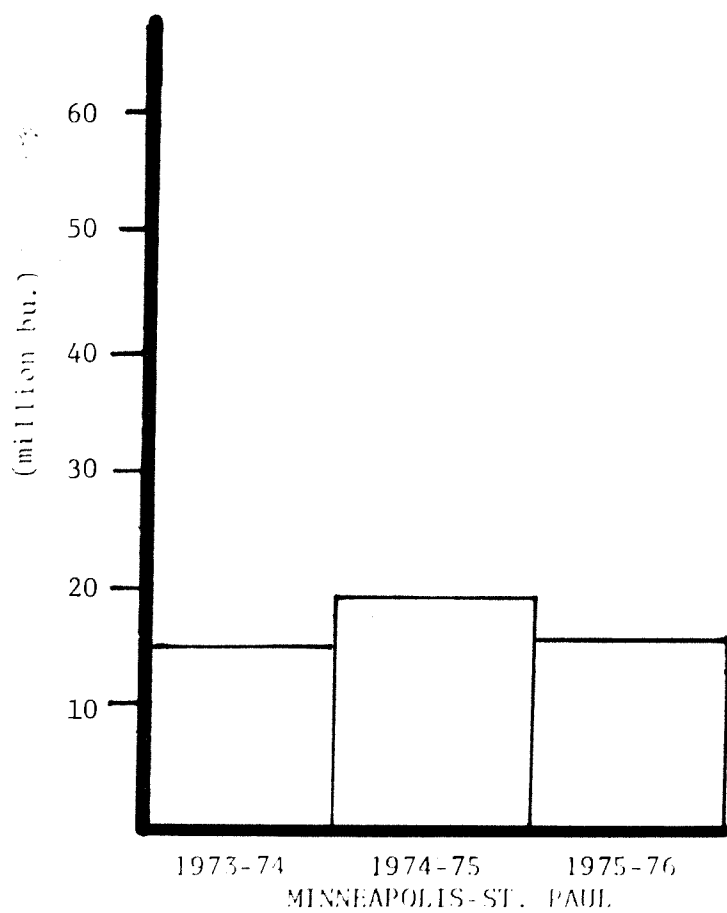
NORTH DAKOTA HARD RED SPRING WHEAT SHIPMENTS BY MONTH
July, 1975 - June, 1976



NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION

NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION

| DESTINATION | 1973-74 | 1974-75 | 1975-76 |
|-----------------------|---------|---------|---------|
| (thousand bu.) | | | |
| MINNEAPOLIS-ST. PAUL | 14,145 | 19,455 | 14,905 |
| DULUTH-SUPERIOR | 37,686 | 40,728 | 51,553 |
| WEST | 2,132 | 847 | 434 |
| MISCELLANEOUS MARKETS | 6,794 | 7,751 | 7,925 |

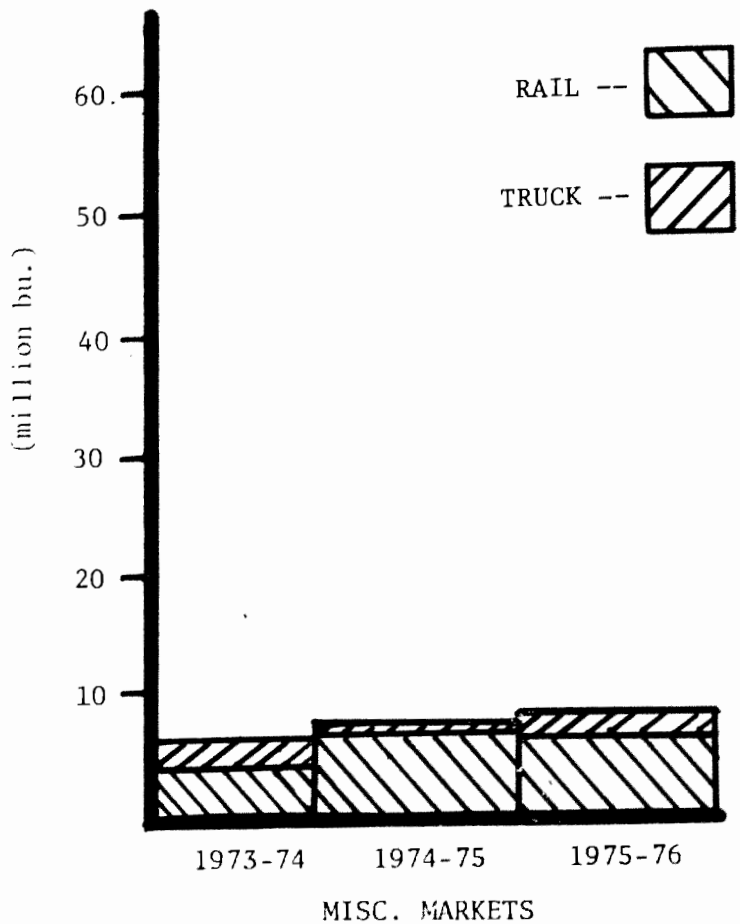
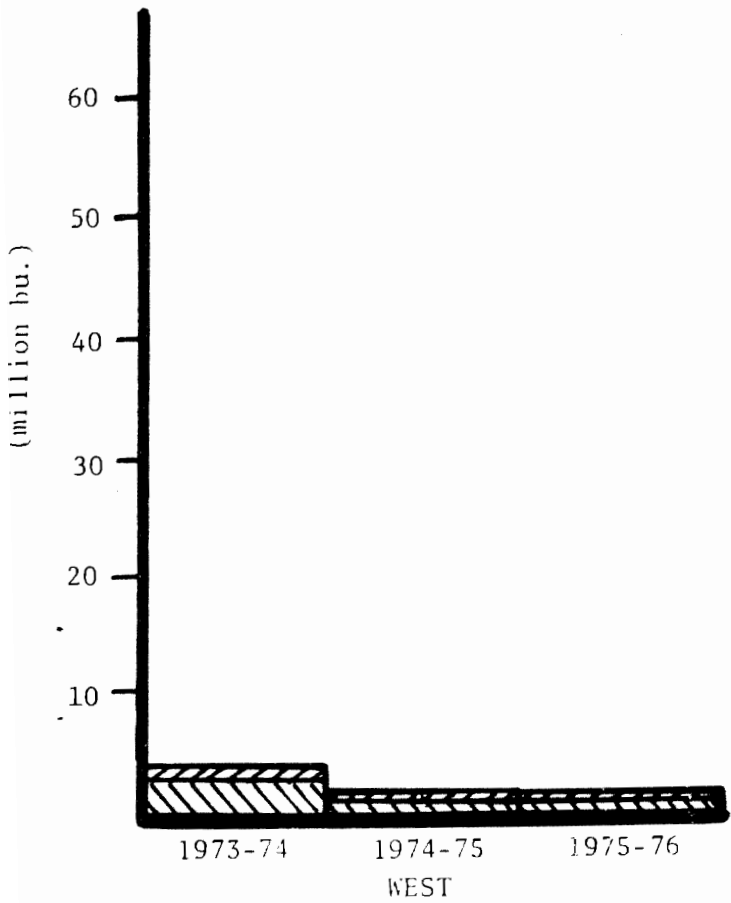
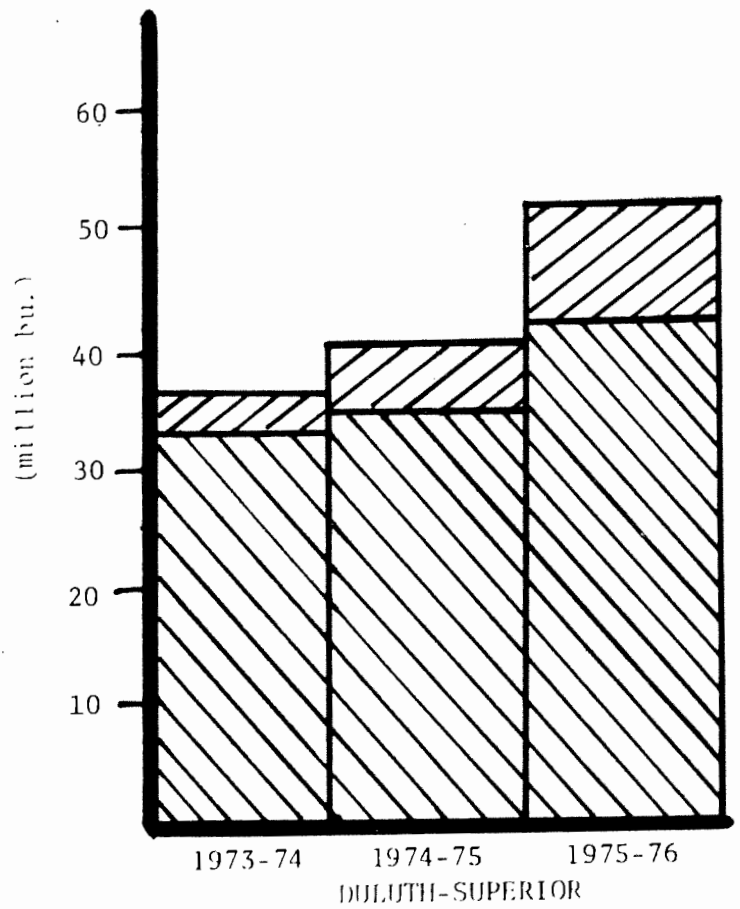
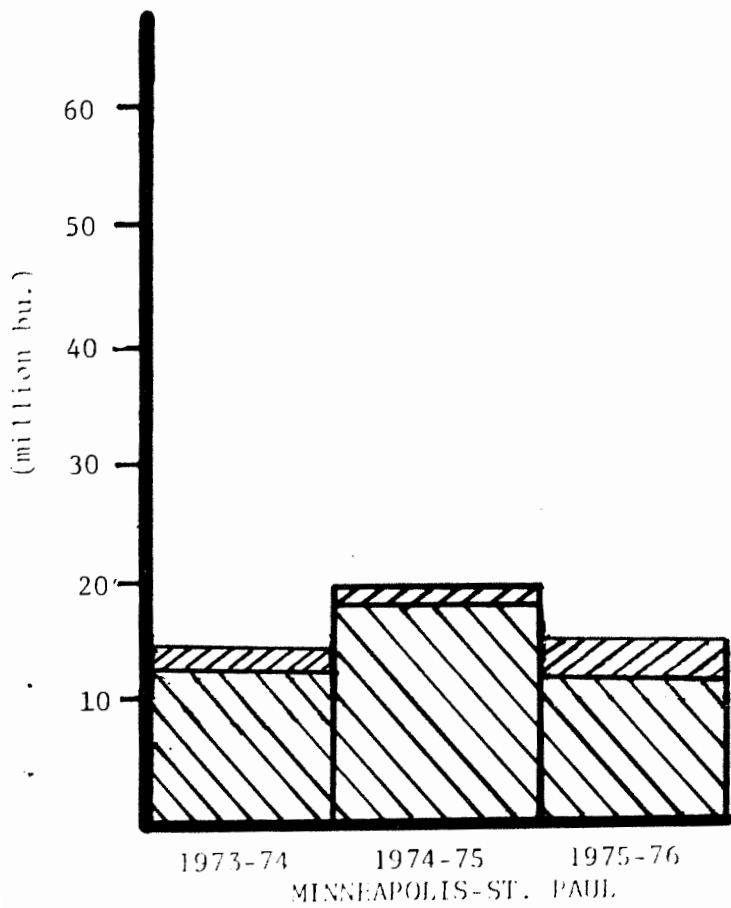
NORTH DAKOTA DURUM SHIPMENTS
BY DESTINATION

NORTH DAKOTA DURUM SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

NORTH DAKOTA DURUM SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

| DESTINATION | 1973-74 | | 1974-75 | | 1975-76 | |
|-----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| | RAIL | TRUCK | RAIL | TRUCK | RAIL | TRUCK |
| (thousand bu.) | | | | | | |
| MINN.-ST. PAUL | 12,897 (91%) | 1,248 (9%) | 18,489 (95%) | 966 (5%) | 12,790 (86%) | 2,115 (14%) |
| DULUTH-SUPERIOR | 33,459 (89%) | 4,227 (11%) | 35,770 (88%) | 4,957 (12%) | 42,620 (83%) | 8,933 (17%) |
| WEST | 1,867 (88%) | 265 (12%) | 608 (72%) | 239 (28%) | 263 (61%) | 171 (39%) |
| MISC. MARKETS | 5,031 (74%) | 1,763 (26%) | 7,505 (97%) | 246 (3%) | 7,184 (91%) | 741 (9%) |

NORTH DAKOTA DURUM SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

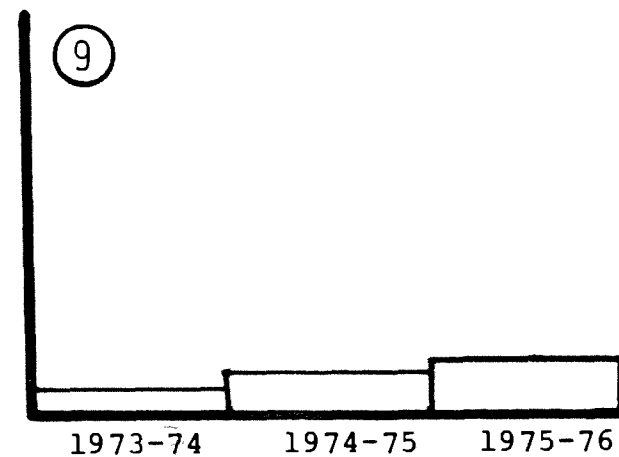
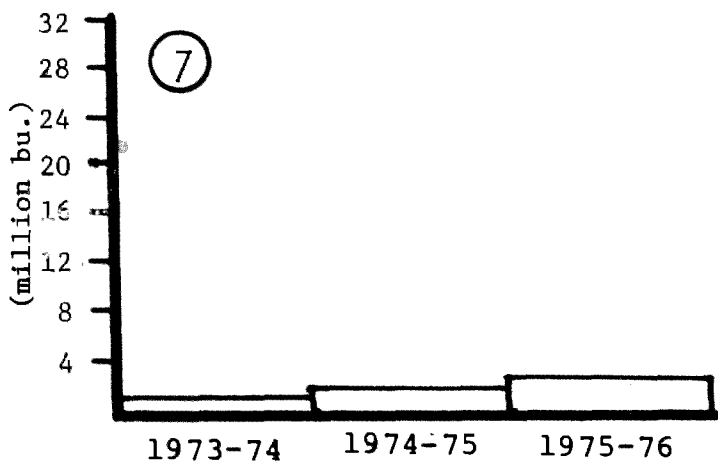
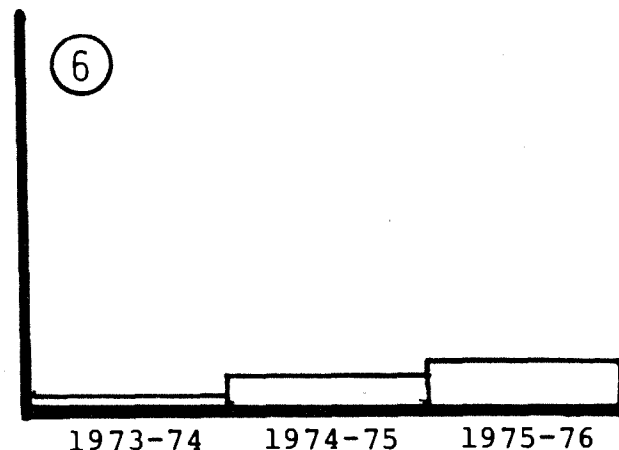
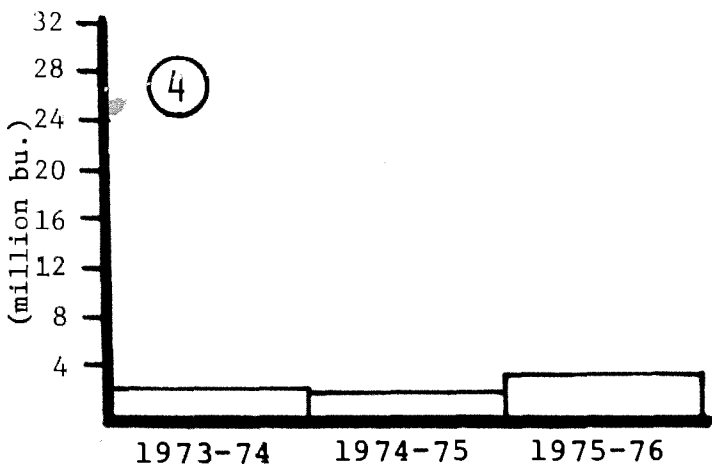
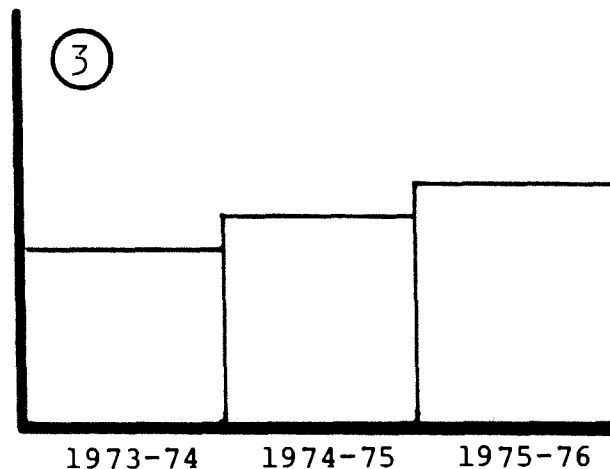
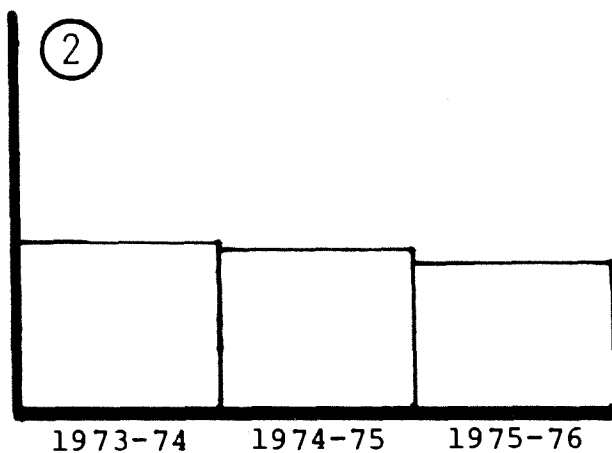
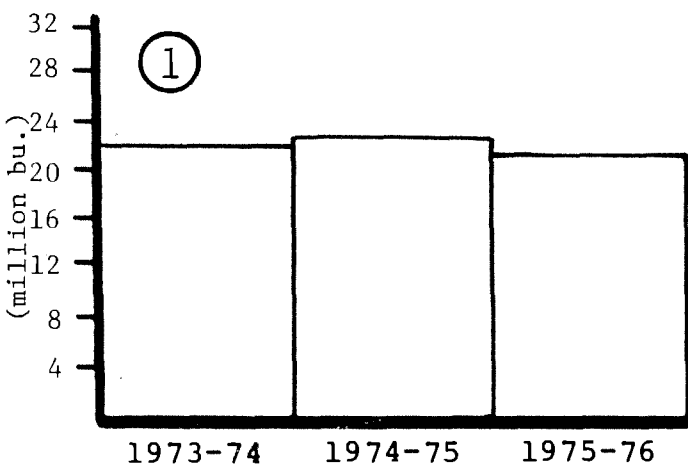


NORTH DAKOTA DURUM SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

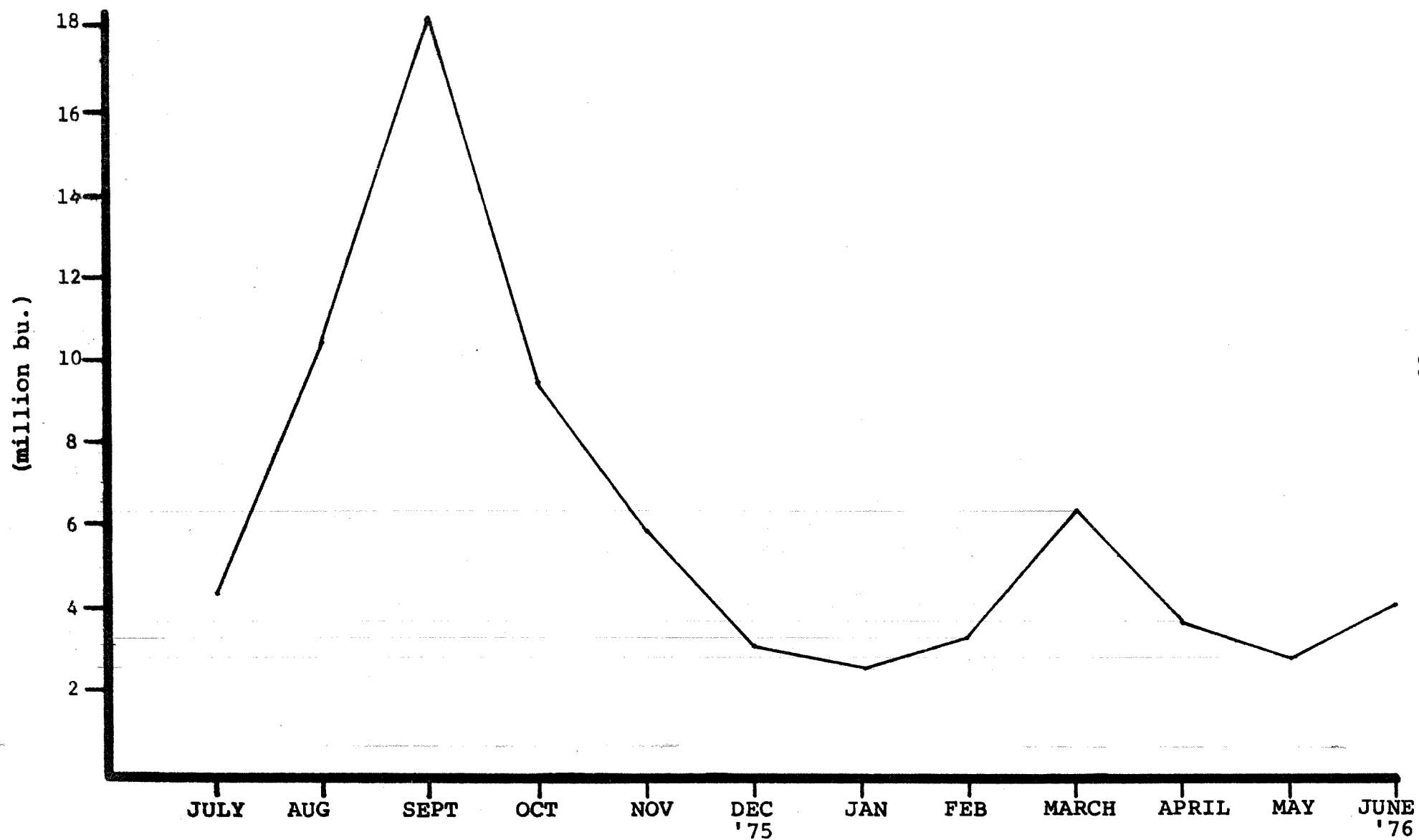
NORTH DAKOTA DURUM SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)

| CROP REPORTING DISTRICT | 1973-74 | 1974-75 | 1975-76 |
|----------------------------|---------|---------|---------|
| (thousand bu.) | | | |
| 1 | 22,133 | 22,973 | 21,573 |
| 2 | 12,910 | 12,685 | 11,404 |
| 3 | 13,787 | 17,326 | 19,272 |
| 4 | 2,829 | 2,717 | 3,696 |
| 5 | 4,139 | 5,466 | 7,270 |
| 6 | 1,192 | 2,555 | 3,558 |
| 7 | 1,331 | 1,871 | 2,844 |
| 8 | 444 | 543 | 1,331 |
| 9 | 1,991 | 2,642 | 3,870 |

NORTH DAKOTA DURUM SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICTS)



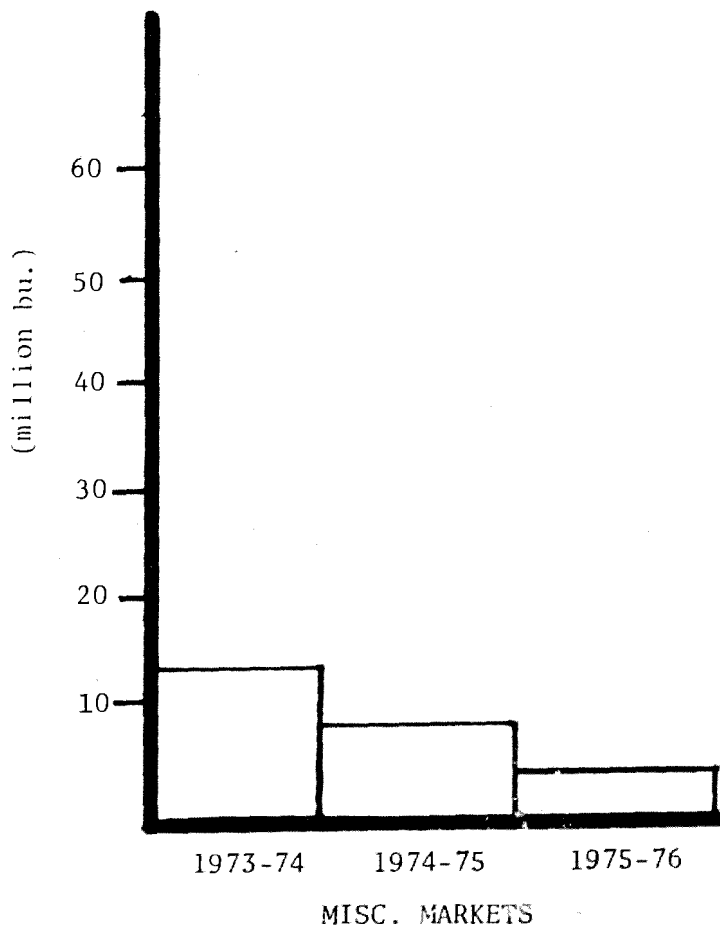
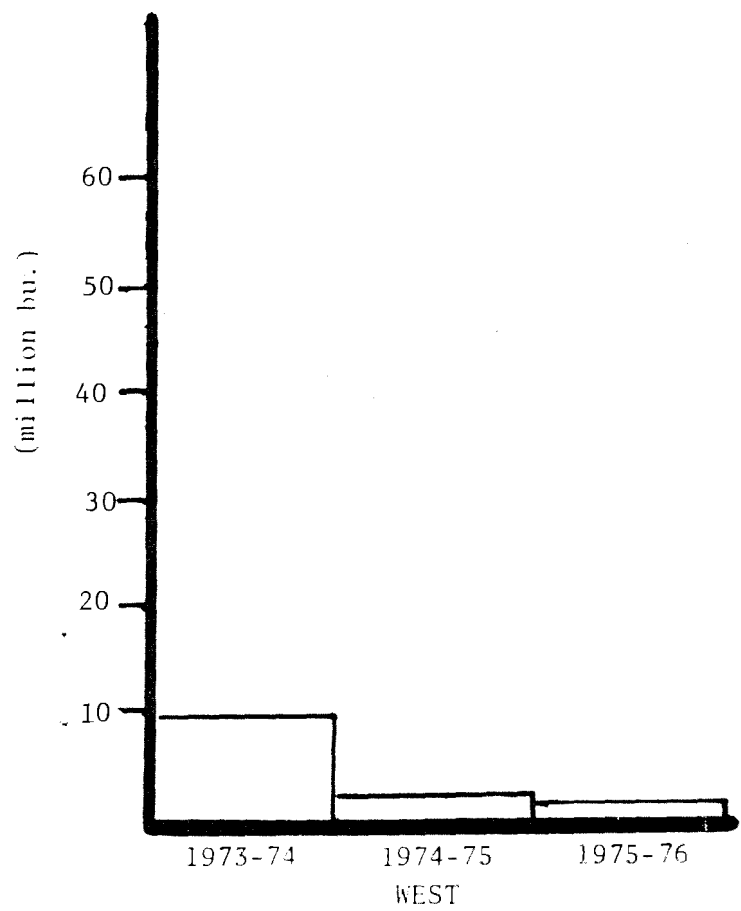
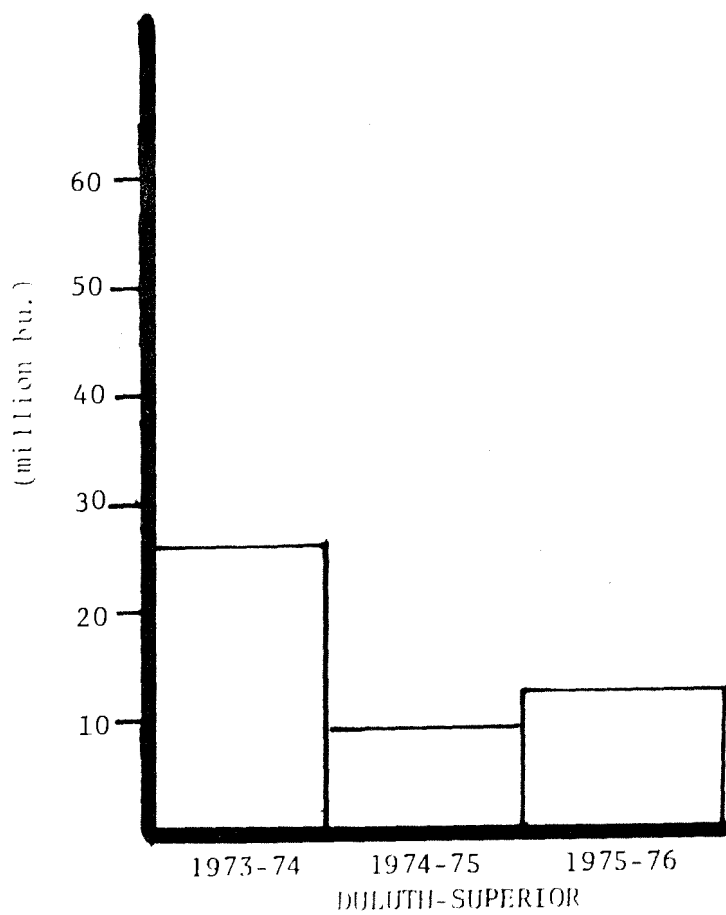
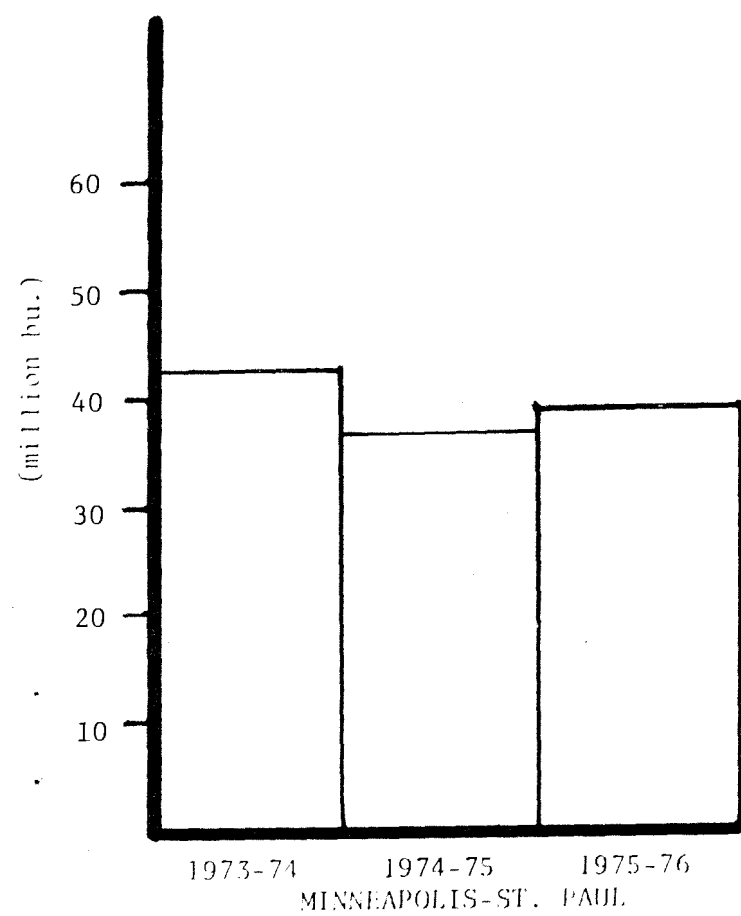
NORTH DAKOTA DURUM SHIPMENTS BY MONTH
July, 1975 - June, 1976



NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION

NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION

| DESTINATION | 1973-74 | 1974-75 | 1975-76 |
|-----------------------|---------|---------|---------|
| (thousand bu.) | | | |
| MINNEAPOLIS-ST. PAUL | 42,244 | 37,461 | 38,710 |
| DULUTH-SUPERIOR | 26,659 | 9,204 | 12,346 |
| WEST | 9,858 | 1,652 | 893 |
| MISCELLANEOUS MARKETS | 12,977 | 8,360 | 4,405 |

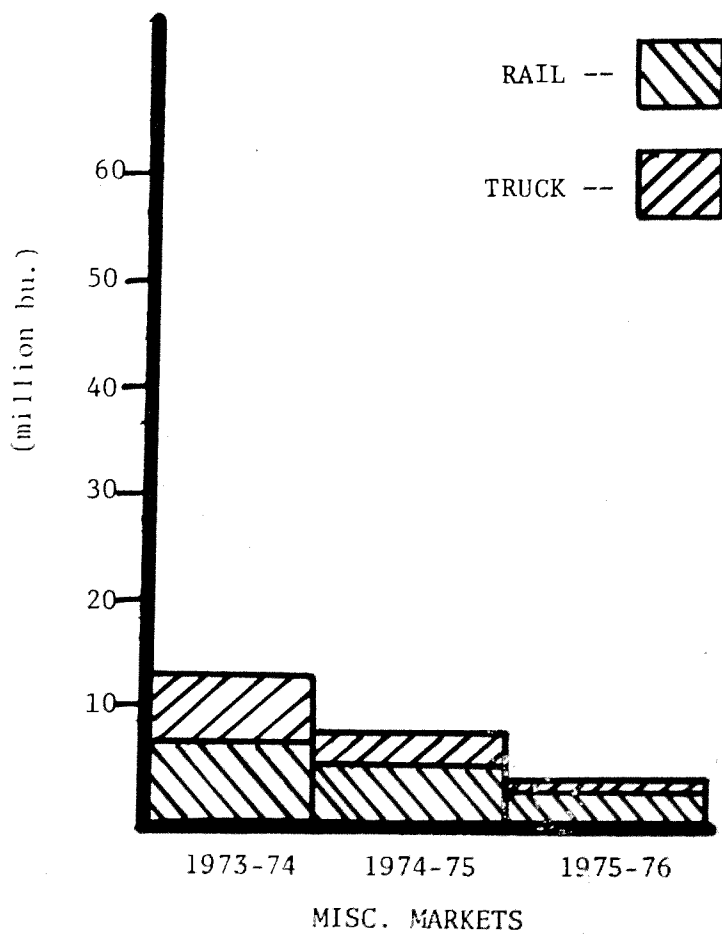
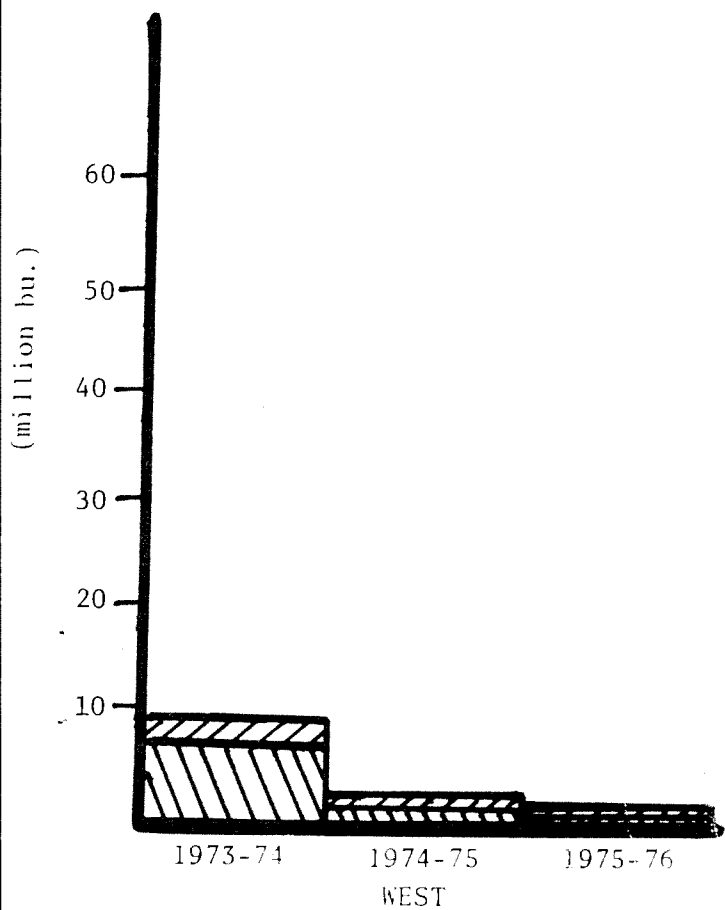
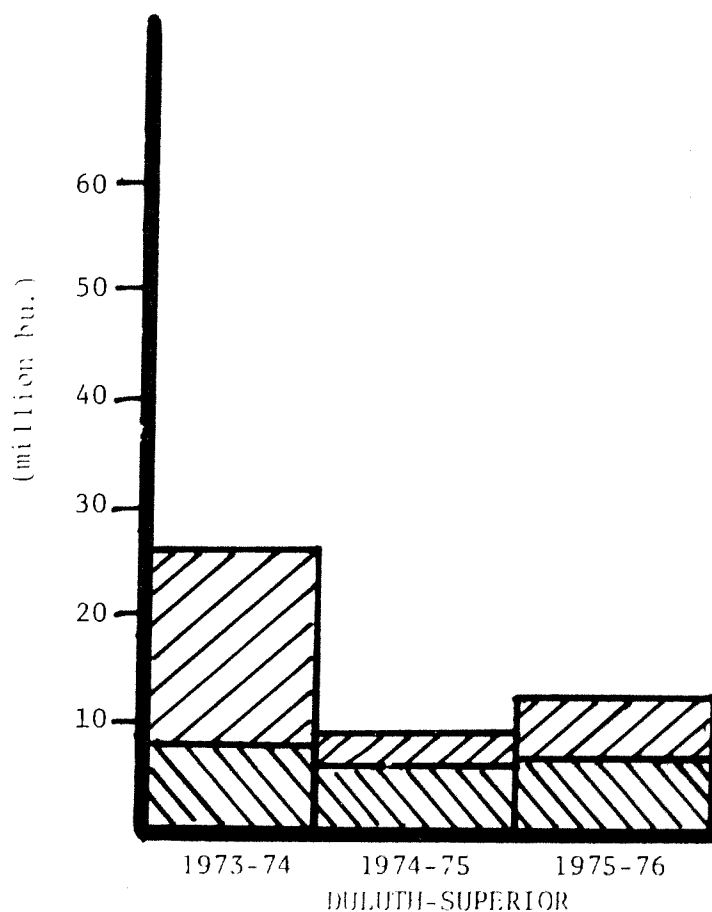
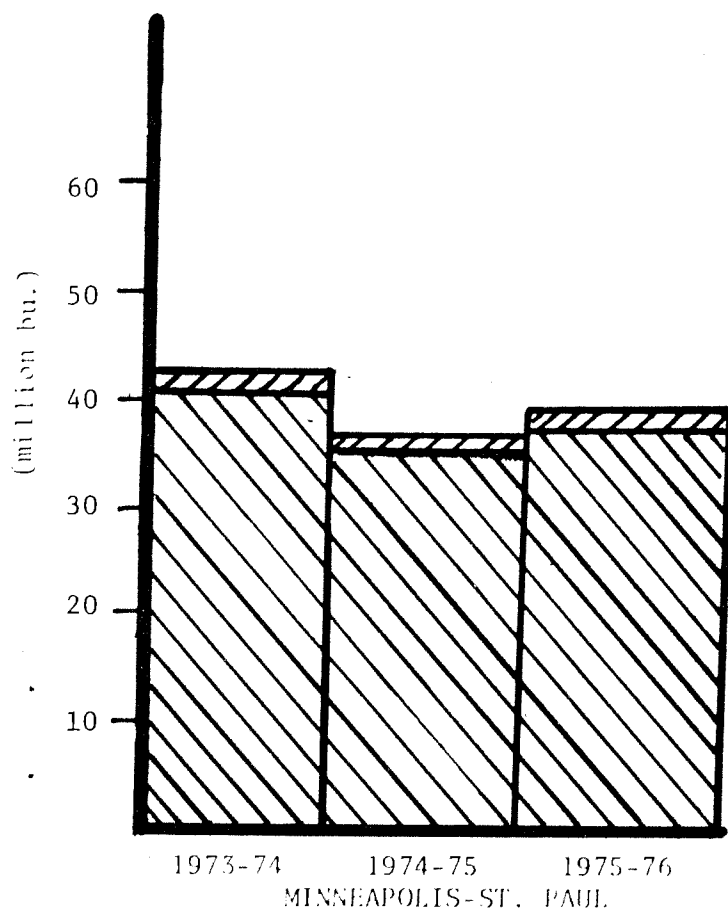
NORTH DAKOTA BARLEY SHIPMENTS
BY DESTINATION

NORTH DAKOTA BARLEY SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

NORTH DAKOTA BARLEY SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

| DESTINATION | 1973-74 | | 1974-75 | | 1975-76 | |
|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|
| | RAIL | TRUCK | RAIL | TRUCK | RAIL | TRUCK |
| | (thousand bu.) | | | | | |
| MINN.-ST. PAUL | 49,905 (97%) | 1,339 (3%) | 36,783 (98%) | 678 (2%) | 37,566 (97%) | 1,144 (3%) |
| DULUTH-SUPERIOR | 9,230 (35%) | 17,429 (65%) | 6,235 (68%) | 2,969 (32%) | 6,331 (51%) | 6,015 (49%) |
| WEST | 7,030 (71%) | 2,828 (29%) | 646 (39%) | 1,006 (61%) | 128 (14%) | 765 (86%) |
| MISC. MARKETS | 6,857 (53%) | 6,120 (47%) | 5,607 (67%) | 2,753 (33%) | 3,411 (77%) | 994 (23%) |

NORTH DAKOTA BARLEY SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

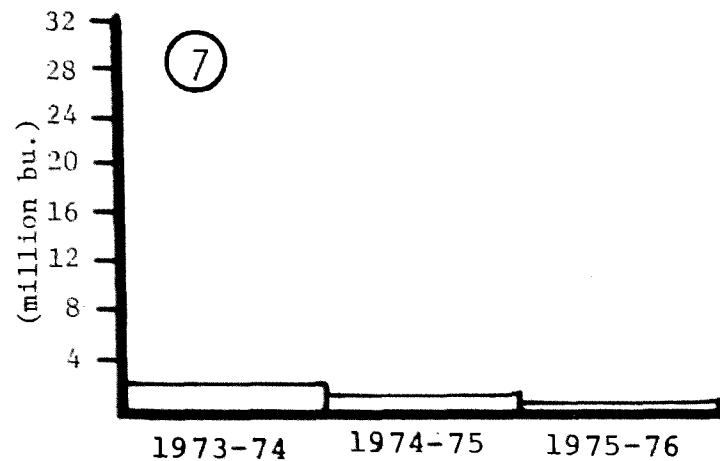
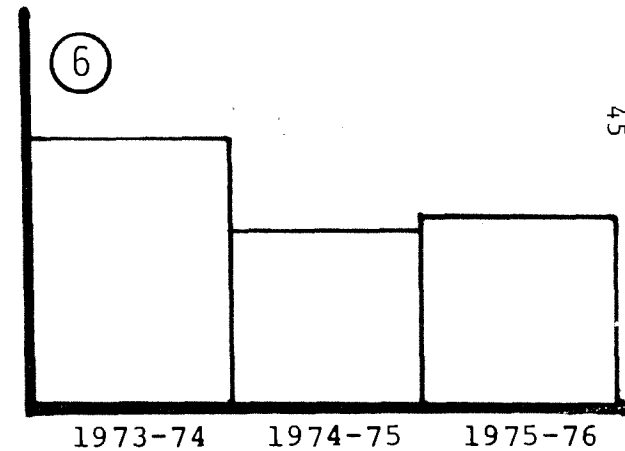
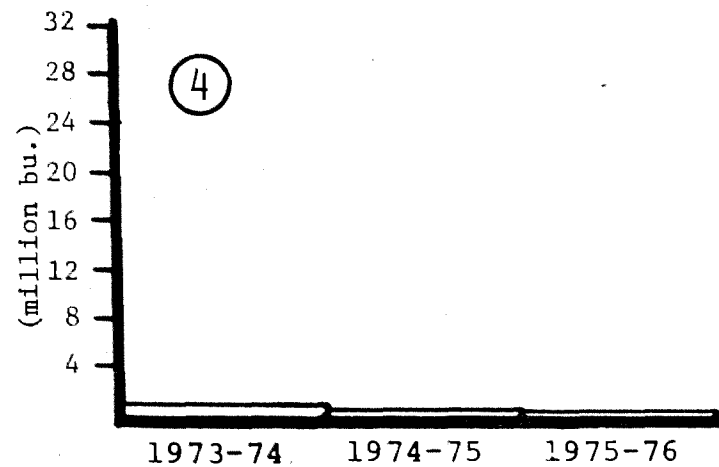
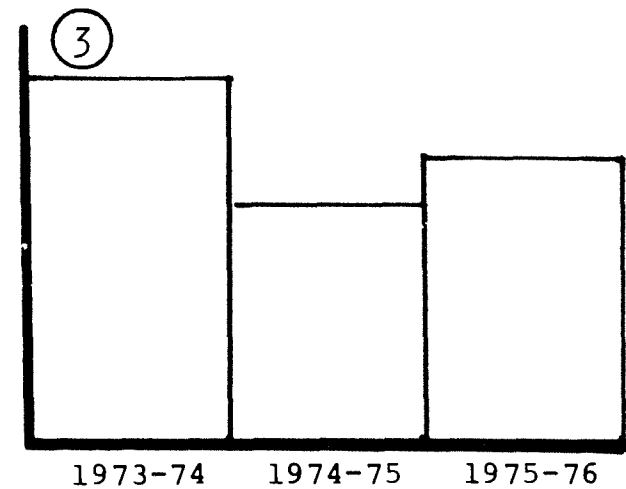
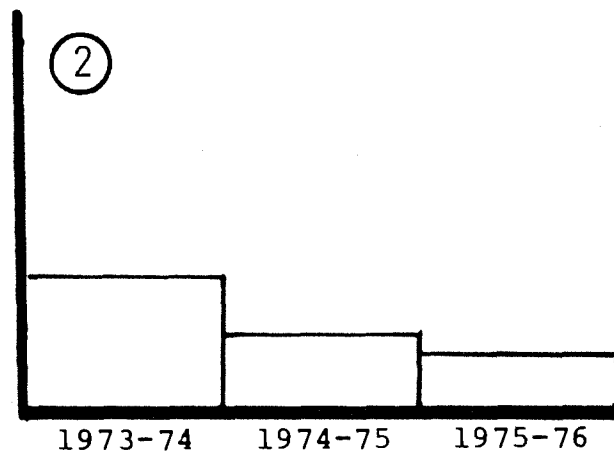
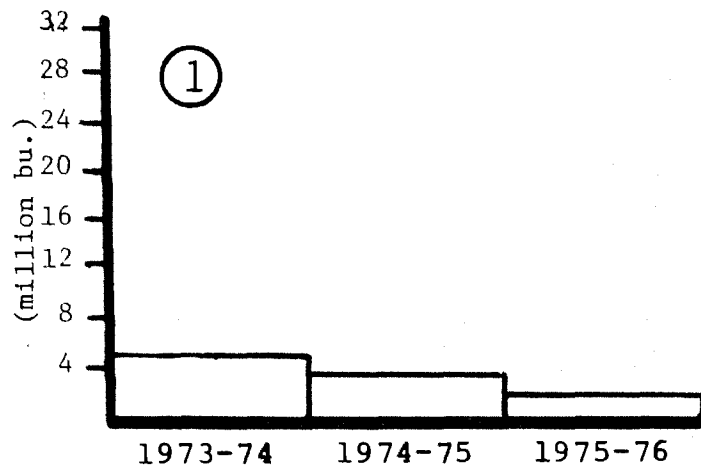


NORTH DAKOTA BARLEY SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

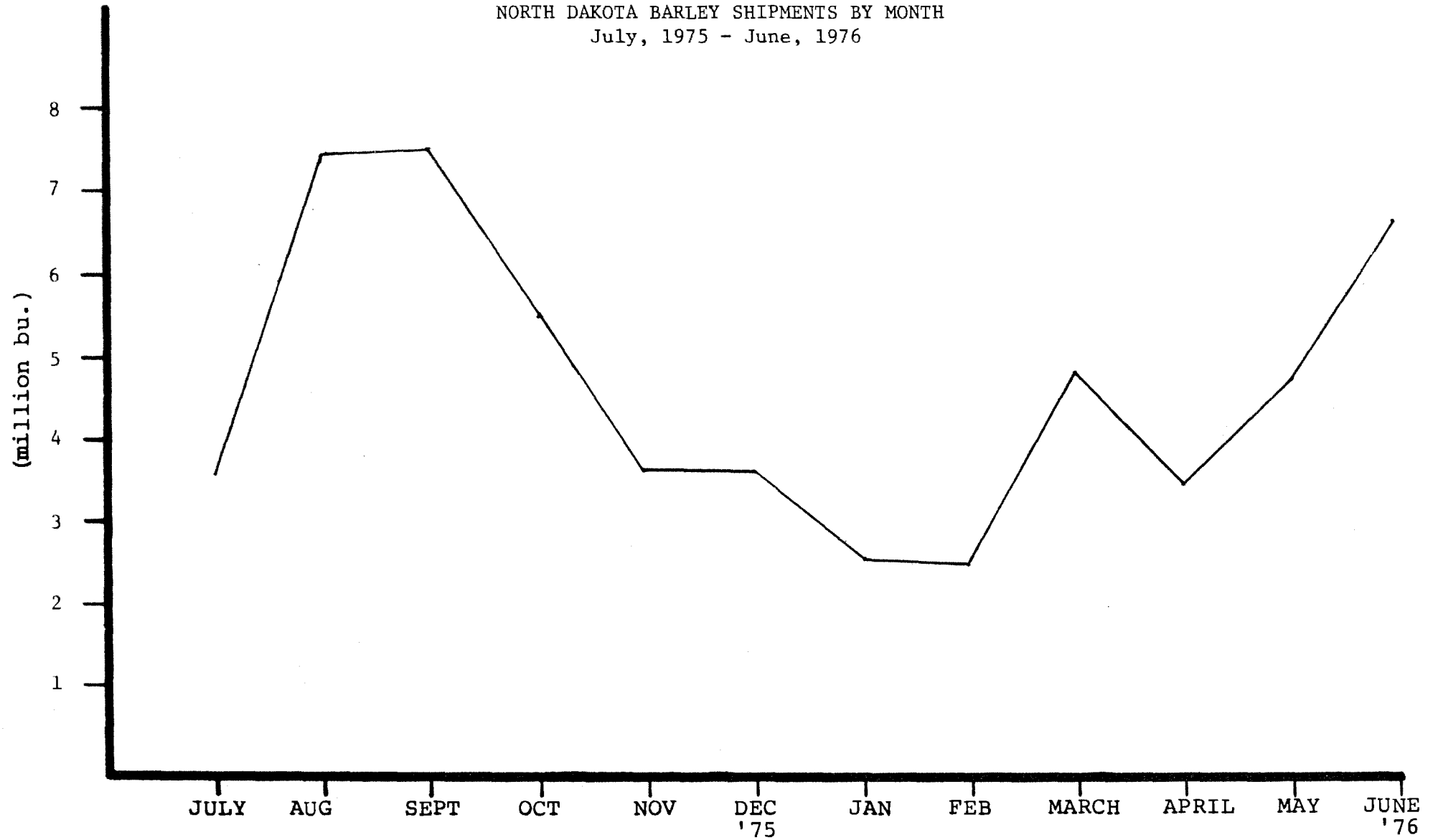
NORTH DAKOTA BARLEY SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)

| CROP REPORTING DISTRICT | 1973-74 | 1974-75 | 1975-76 |
|----------------------------|----------------|---------|---------|
| | (thousand bu.) | | |
| 1 | 4,778 | 3,813 | 2,183 |
| 2 | 10,440 | 6,023 | 4,621 |
| 3 | 29,933 | 19,947 | 23,698 |
| 4 | 1,276 | 462 | 339 |
| 5 | 11,024 | 5,321 | 4,439 |
| 6 | 22,376 | 14,602 | 15,619 |
| 7 | 2,559 | 1,075 | 386 |
| 8 | 524 | 136 | 342 |
| 9 | 8,828 | 5,294 | 4,728 |

NORTH DAKOTA BARLEY SHIPMENTS BY ORIGIN
(CROP REPORTING DISTRICT)



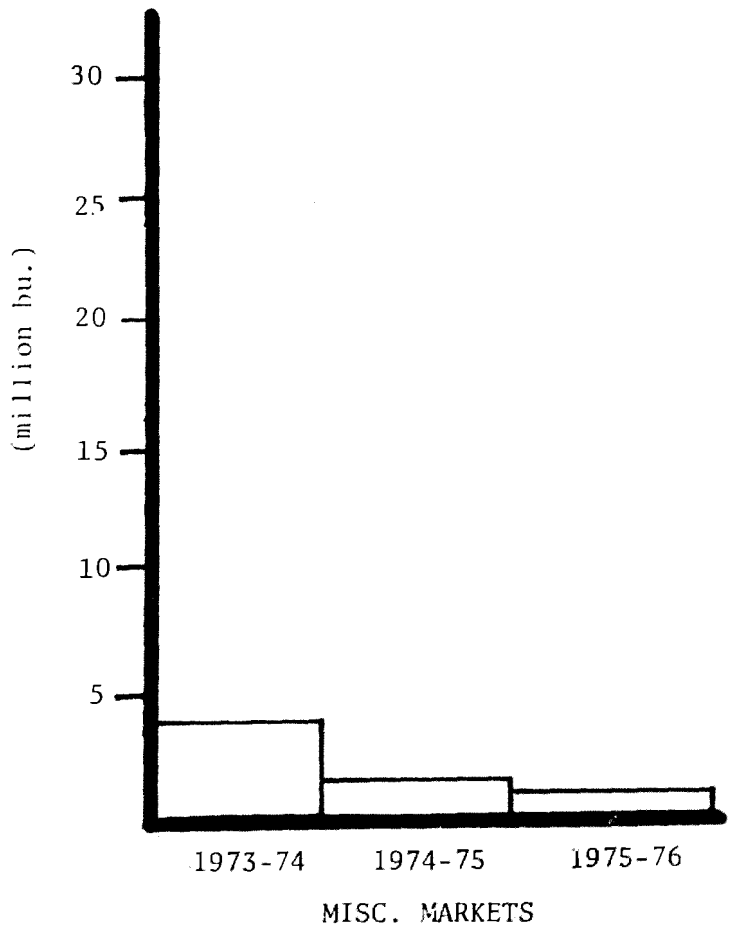
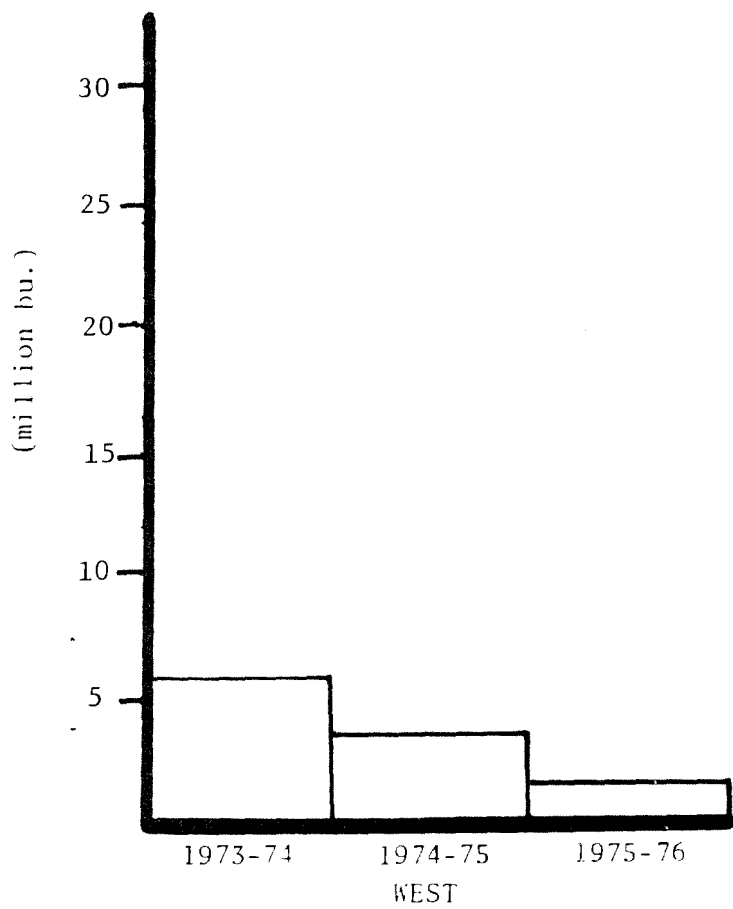
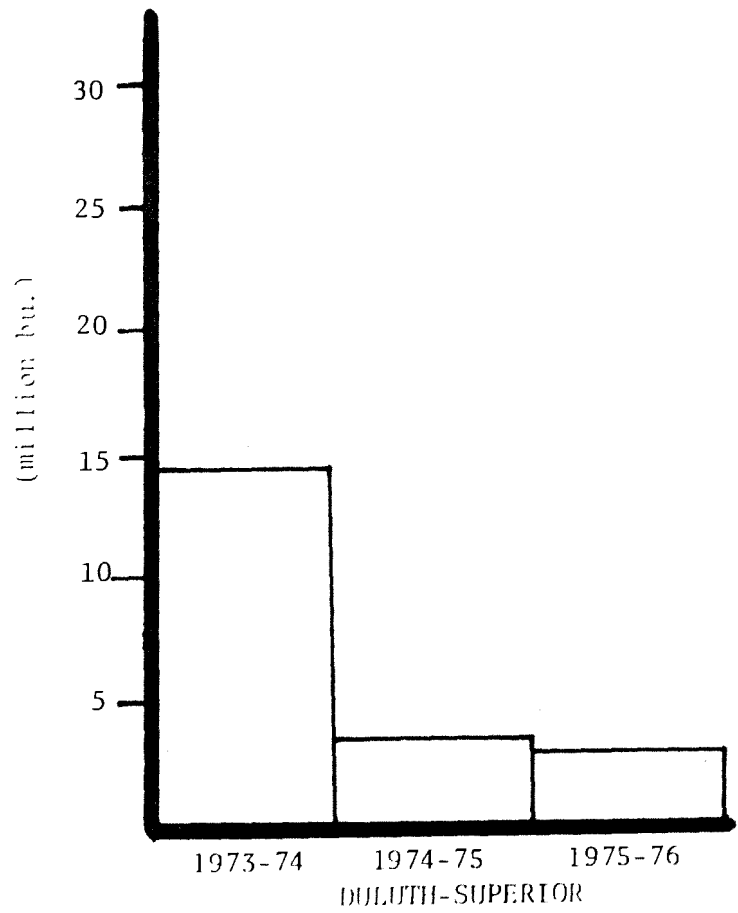
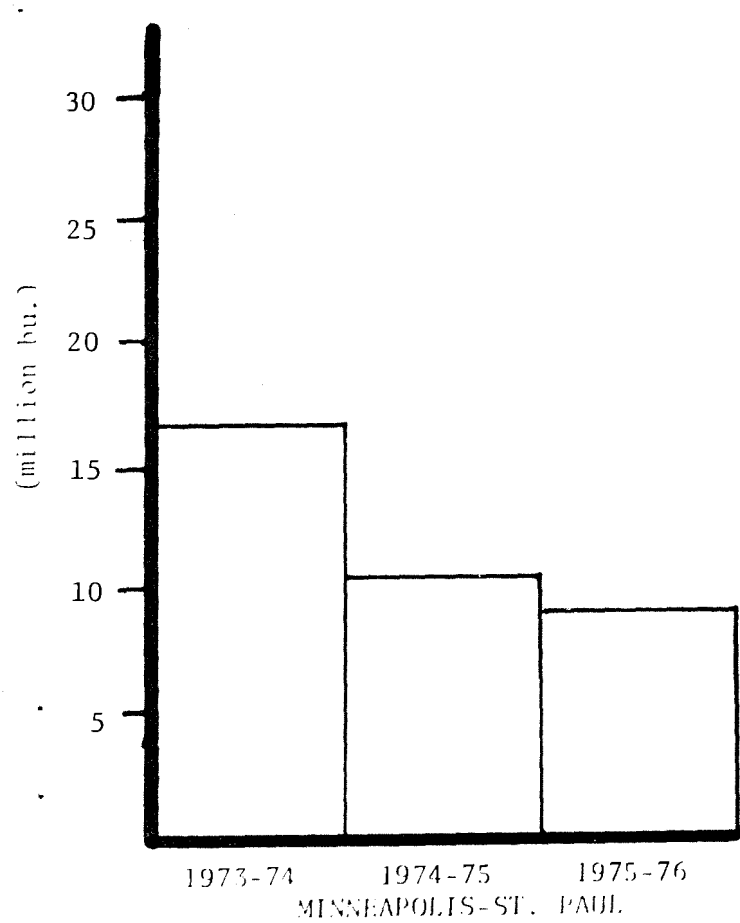
NORTH DAKOTA BARLEY SHIPMENTS BY MONTH
July, 1975 - June, 1976



NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION

NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION

| DESTINATION | 1973-74 | 1974-75 | 1975-76 |
|-----------------------|----------------|---------|---------|
| | (thousand bu.) | | |
| MINNEAPOLIS-ST. PAUL | 17,362 | 10,439 | 8,779 |
| DULUTH-SUPERIOR | 14,202 | 3,752 | 3,531 |
| WEST | 6,086 | 3,446 | 1,458 |
| MISCELLANEOUS MARKETS | 3,870 | 1,825 | 1,334 |

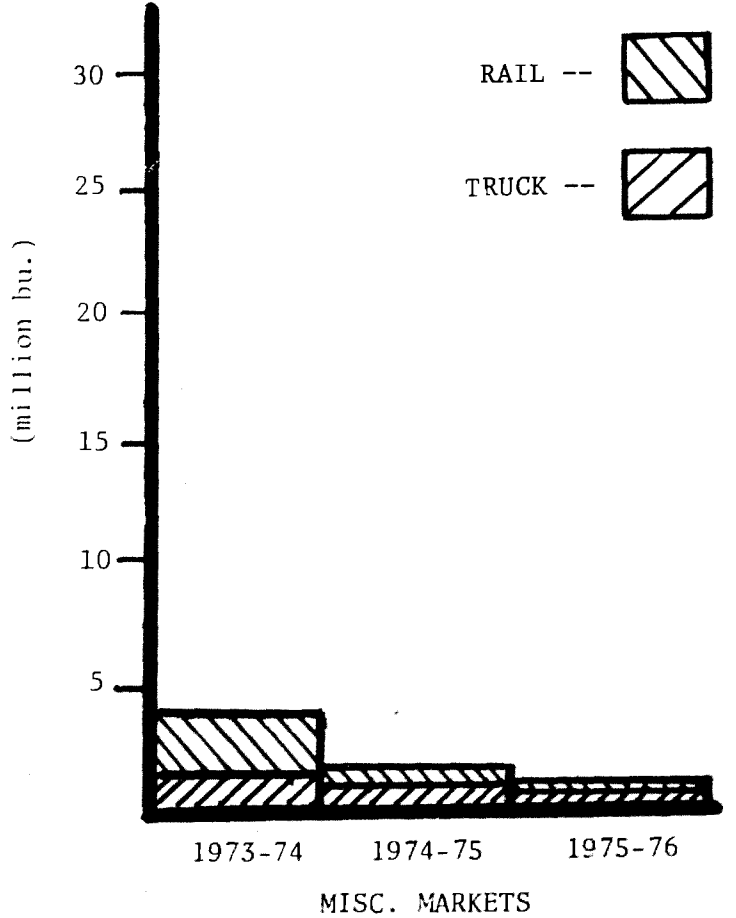
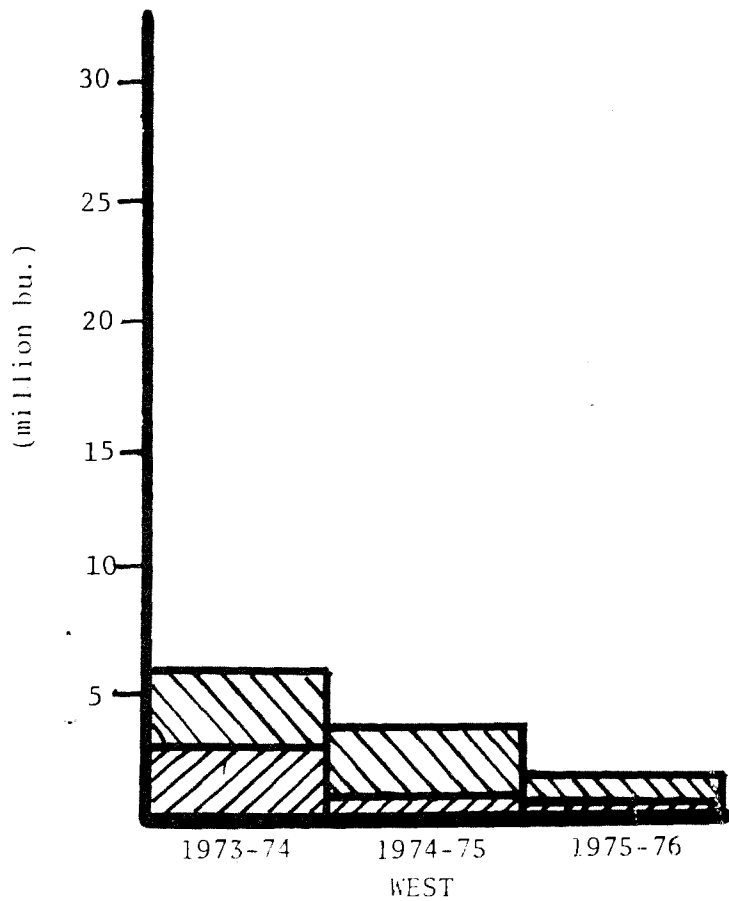
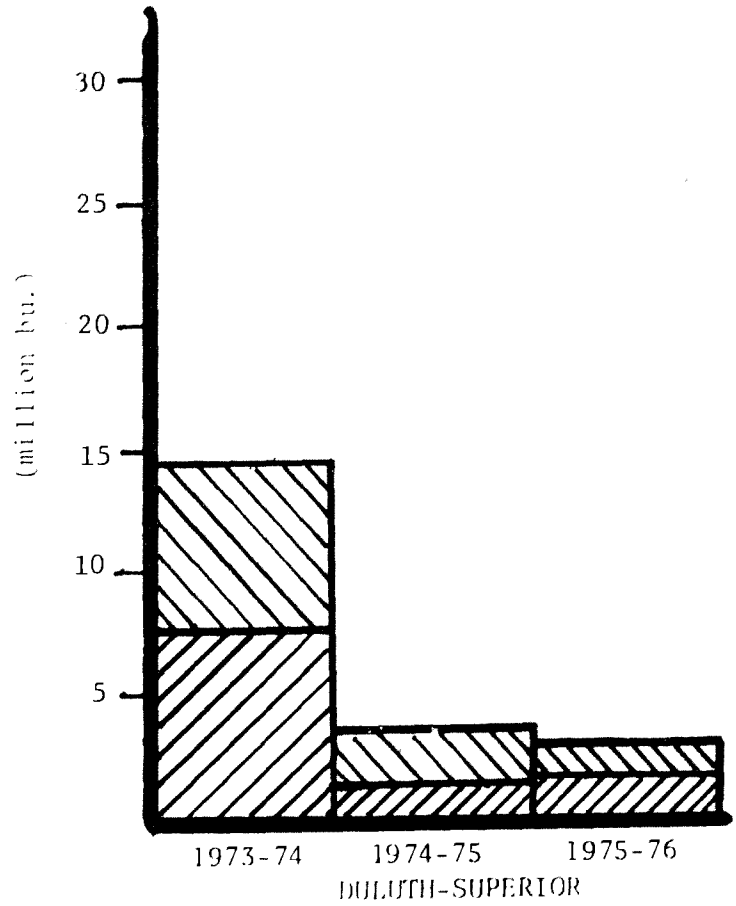
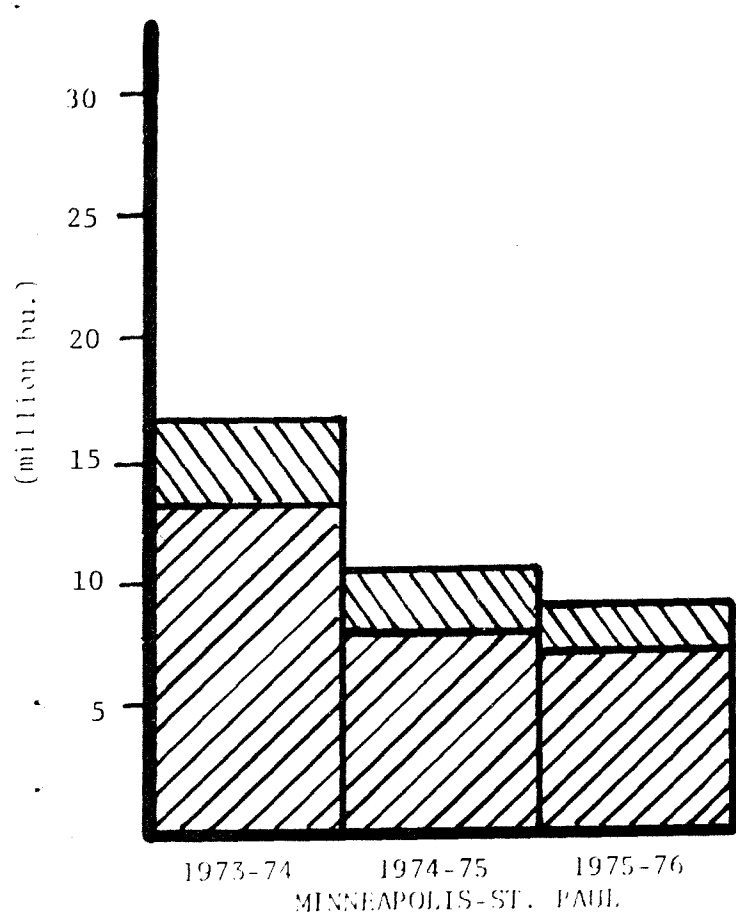
NORTH DAKOTA OATS SHIPMENTS
BY DESTINATION

NORTH DAKOTA OATS SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

NORTH DAKOTA OATS SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

| DESTINATION | 1973-74 | | 1974-75 | | 1975-76 | |
|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| | RAIL | TRUCK | RAIL | TRUCK | RAIL | TRUCK |
| (thousand bu.) | | | | | | |
| MINN.-ST. PAUL | 13,306 (77%) | 4,056 (23%) | 8,148 (78%) | 2,291 (22%) | 7,300 (83%) | 1,479 (17%) |
| DULUTH-SUPERIOR | 7,189 (51%) | 6,831 (49%) | 1,373 (38%) | 2,199 (62%) | 1,442 (41%) | 2,090 (59%) |
| WEST | 2,754 (45%) | 3,332 (55%) | 319 (9%) | 3,127 (91%) | 92 (6%) | 1,366 (94%) |
| MISC. MARKETS | 1,114 (29%) | 2,756 (71%) | 316 (17%) | 1,509 (83%) | 304 (23%) | 1,031 (77%) |

NORTH DAKOTA OATS SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

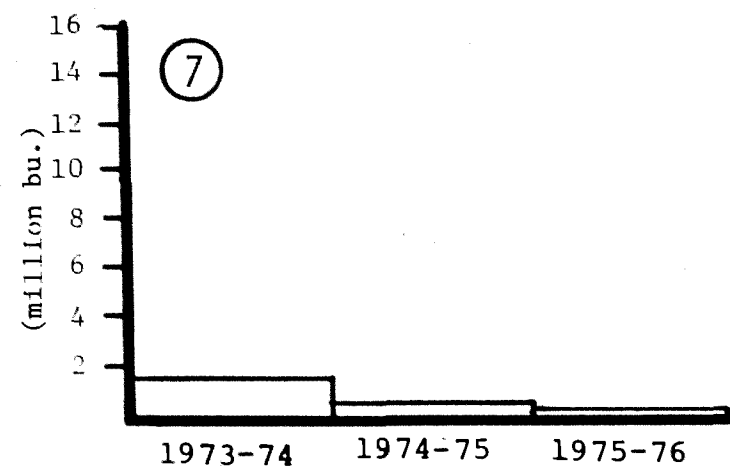
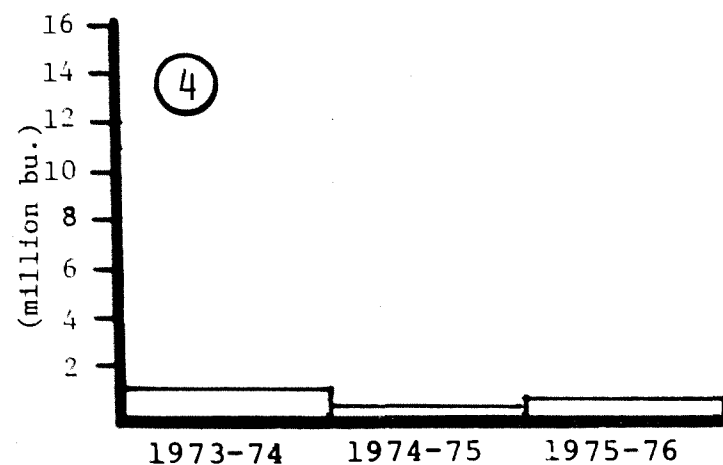
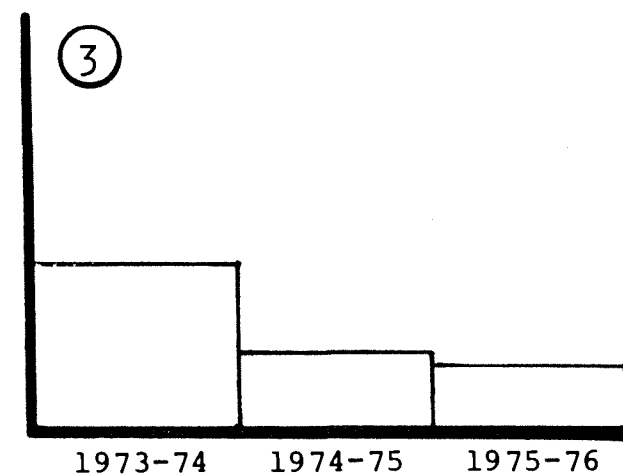
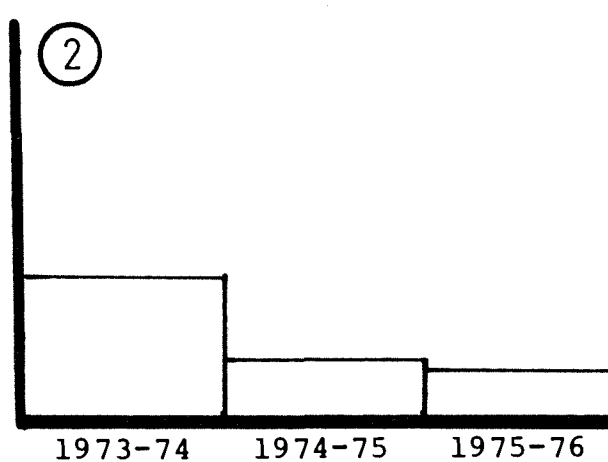
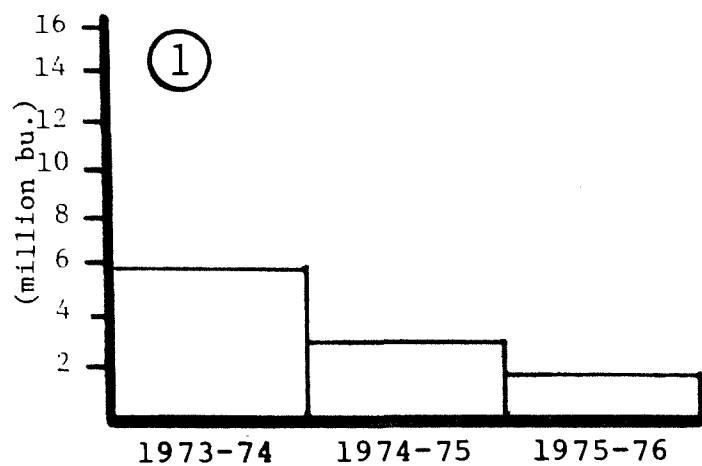


NORTH DAKOTA OATS SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)

NORTH DAKOTA OATS SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)

| CROP REPORTING DISTRICT | 1973-74 | 1974-75 | 1975-76 |
|----------------------------|----------------|---------|---------|
| | (thousand bu.) | | |
| 1 | 5,849 | 3,103 | 1,613 |
| 2 | 5,514 | 2,221 | 1,806 |
| 3 | 6,401 | 3,153 | 2,590 |
| 4 | 1,188 | 283 | 596 |
| 5 | 2,783 | 2,095 | 1,757 |
| 6 | 7,625 | 3,426 | 2,297 |
| 7 | 1,688 | 266 | 163 |
| 8 | 447 | 65 | 573 |
| 9 | 8,943 | 4,668 | 3,709 |

NORTH DAKOTA OATS SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)



NORTH DAKOTA OATS SHIPMENTS BY MONTH
July, 1975 - June, 1976



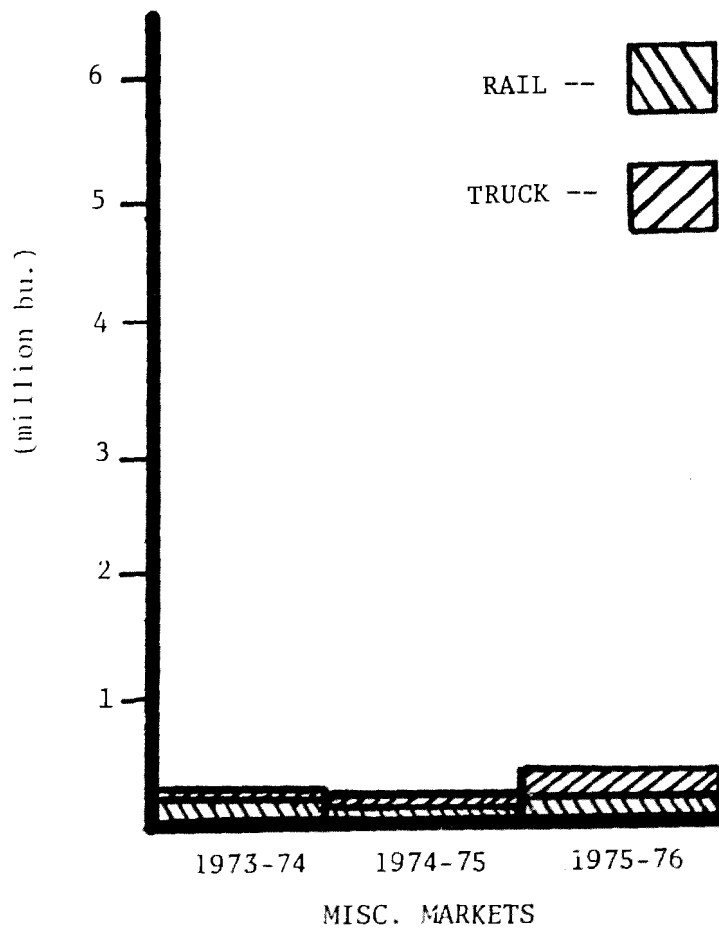
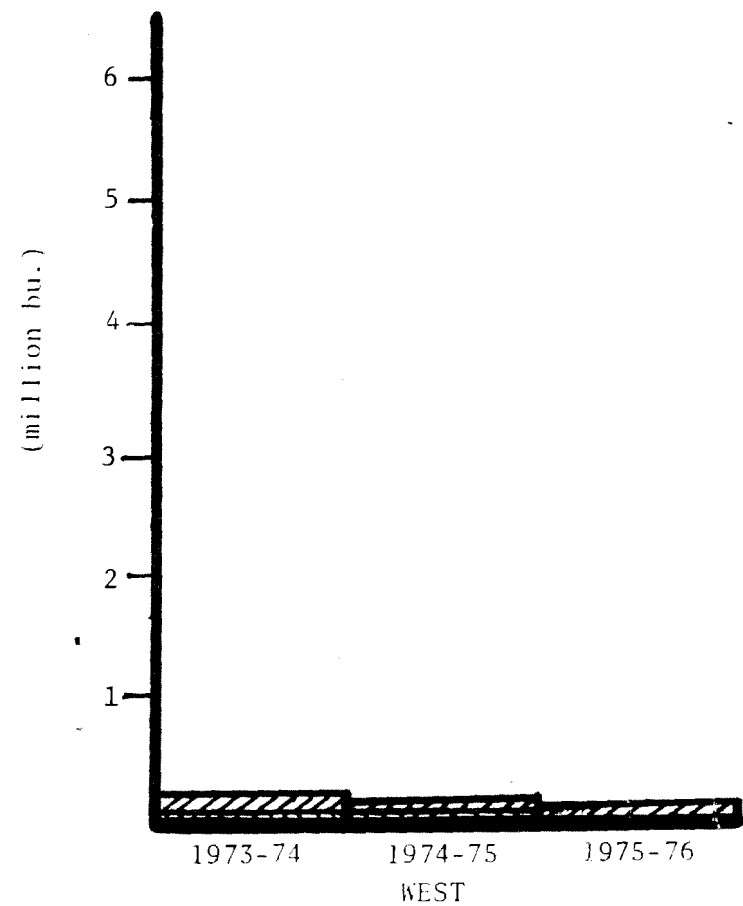
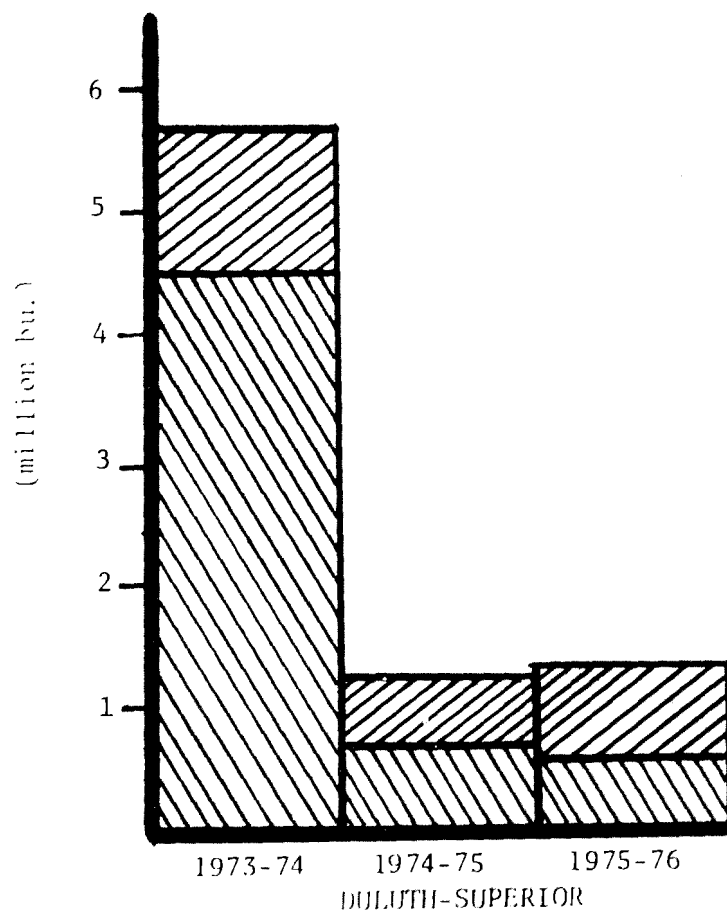
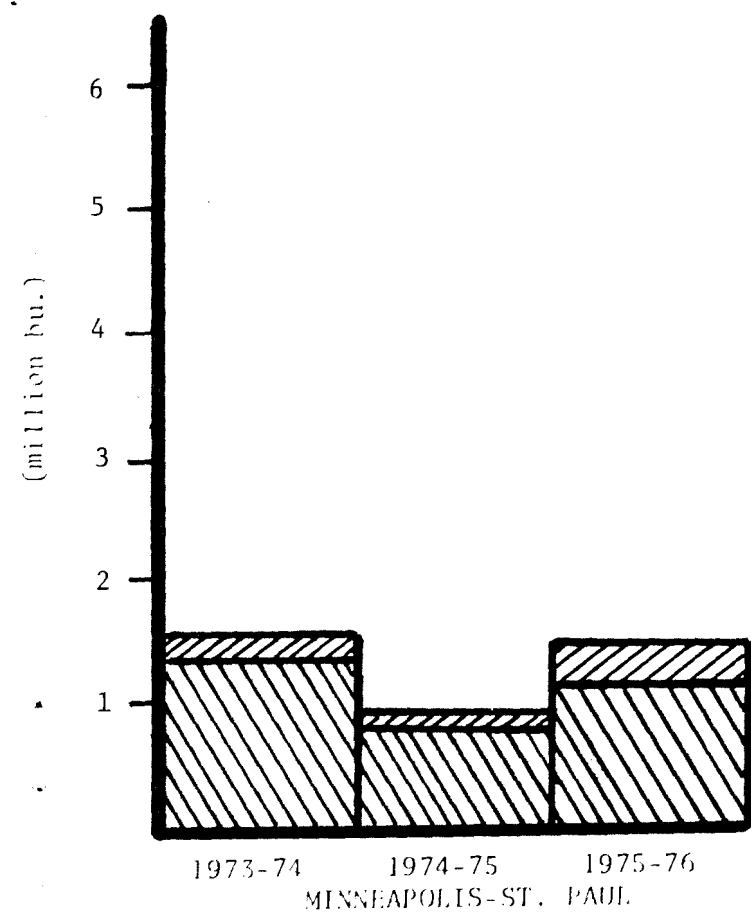
NORTH DAKOTA RYE SHIPMENTS
BY DESTINATION

NORTH DAKOTA RYE SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

NORTH DAKOTA RYE SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

| DESTINATION | 1973-74 | | 1974-75 | | 1975-76 | |
|-----------------|----------------|----------------|--------------|--------------|----------------|--------------|
| | RAIL | TRUCK | RAIL | TRUCK | RAIL | TRUCK |
| (thousand bu.) | | | | | | |
| MINN.-ST. PAUL | 1,406 (90%) | 155 (10%) | 703 (78%) | 196 (22%) | 1,085 (75%) | 353 (25%) |
| DULUTH-SUPERIOR | 4,584 (80%) | 1,146 (20%) | 779 (59%) | 538 (41%) | 588 (44%) | 743 (56%) |
| WEST | 7 (5%) | 143 (95%) | 9 (9%) | 91 (91%) | 0 (0%) | 71 (100%) |
| MISC. MARKETS | 201 (72%) | 79 (28%) | 100 (50%) | 98 (50%) | 245 (54%) | 210 (46%) |

NORTH DAKOTA RYE SHIPMENTS BY RAIL AND TRUCK AND DESTINATION

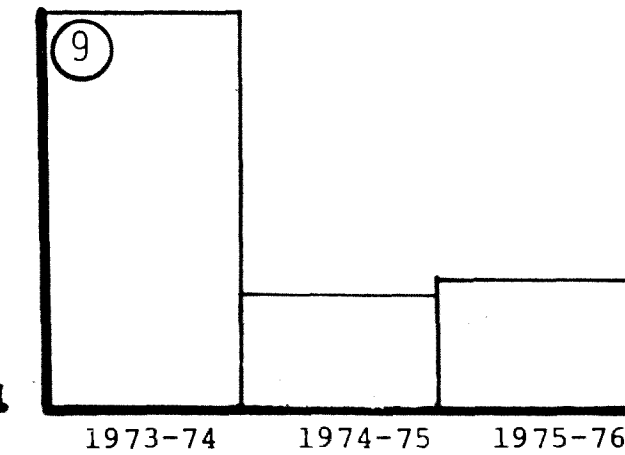
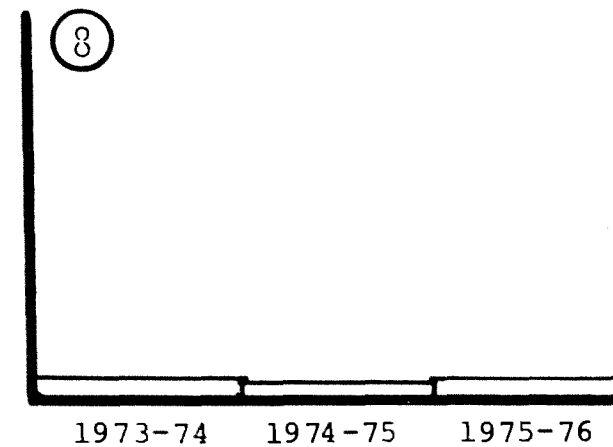
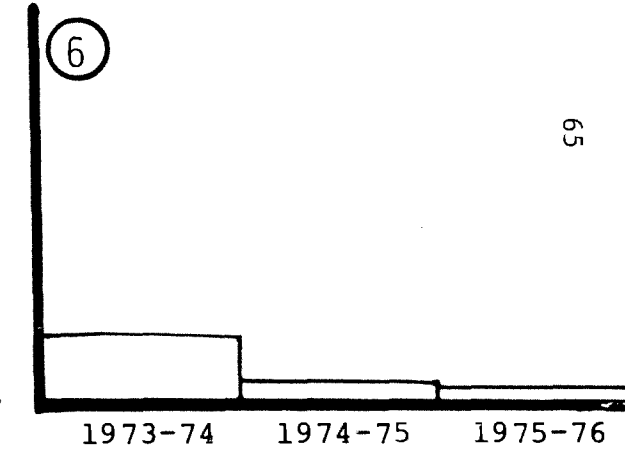
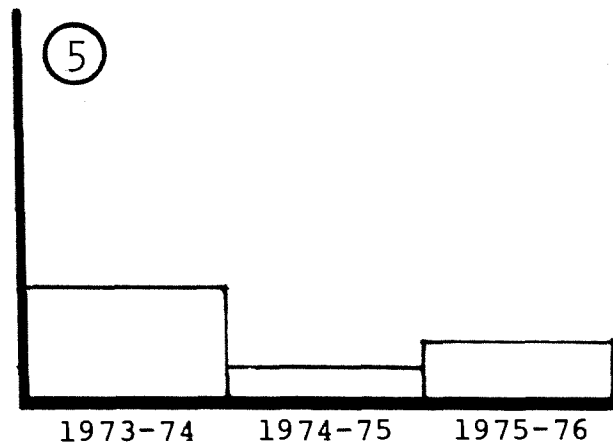
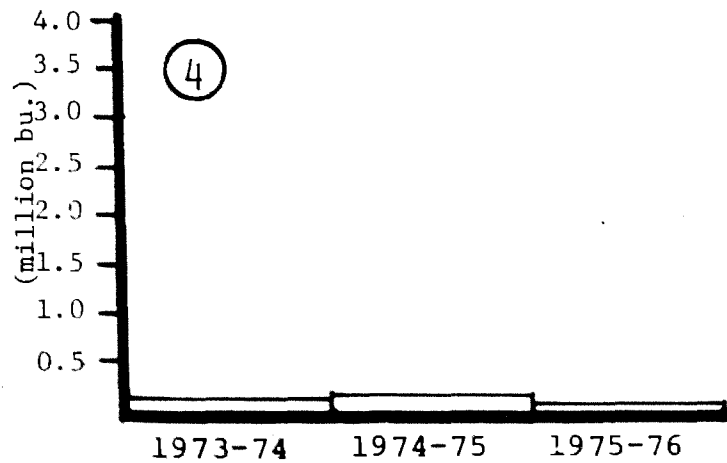
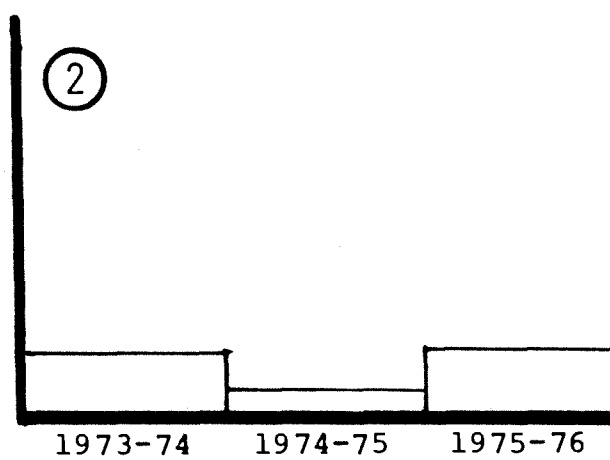
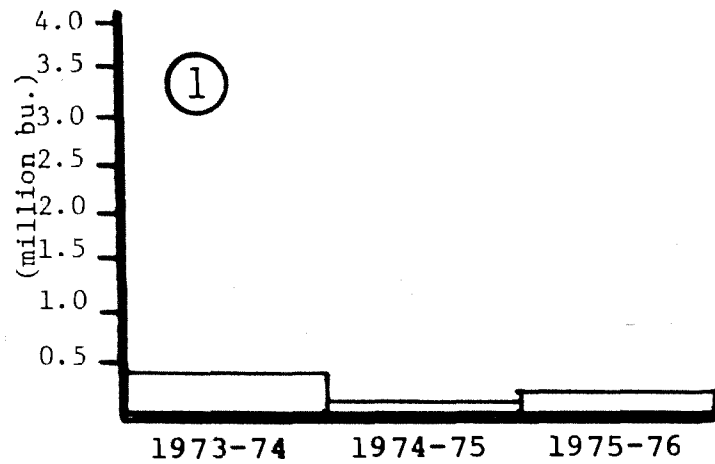


NORTH DAKOTA RYE SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

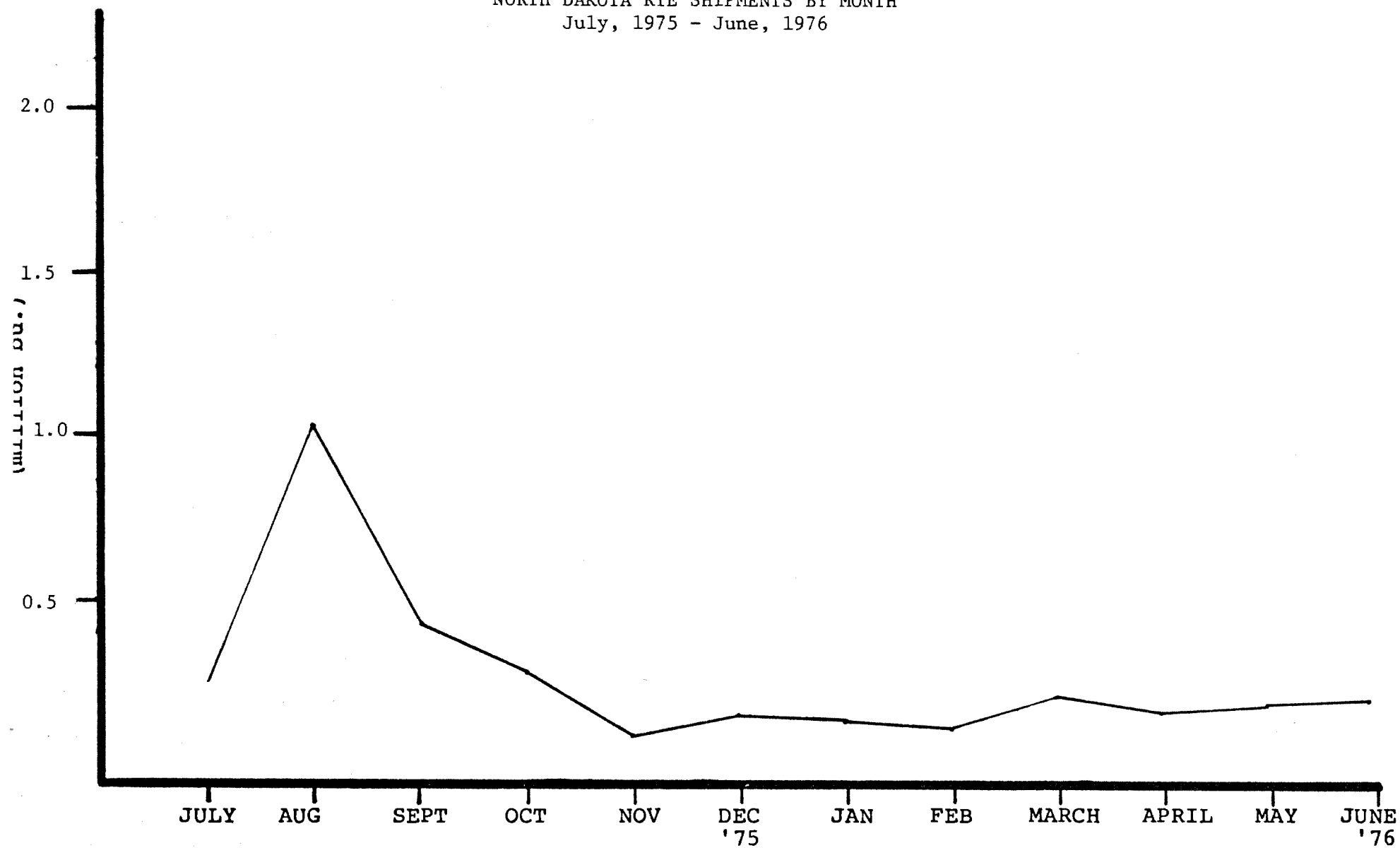
NORTH DAKOTA RYE SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)

| CROP REPORTING DISTRICT | 1973-74 | 1974-75 | 1975-76 |
|----------------------------|----------------|---------|---------|
| | (thousand bu.) | | |
| 1 | 449 | 59 | 218 |
| 2 | 531 | 221 | 541 |
| 3 | 134 | 87 | 222 |
| 4 | 127 | 147 | 71 |
| 5 | 1,144 | 347 | 518 |
| 6 | 605 | 209 | 206 |
| 7 | 477 | 71 | 77 |
| 8 | 154 | 103 | 134 |
| 9 | 4,102 | 1,170 | 1,305 |

NORTH DAKOTA RYE SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)



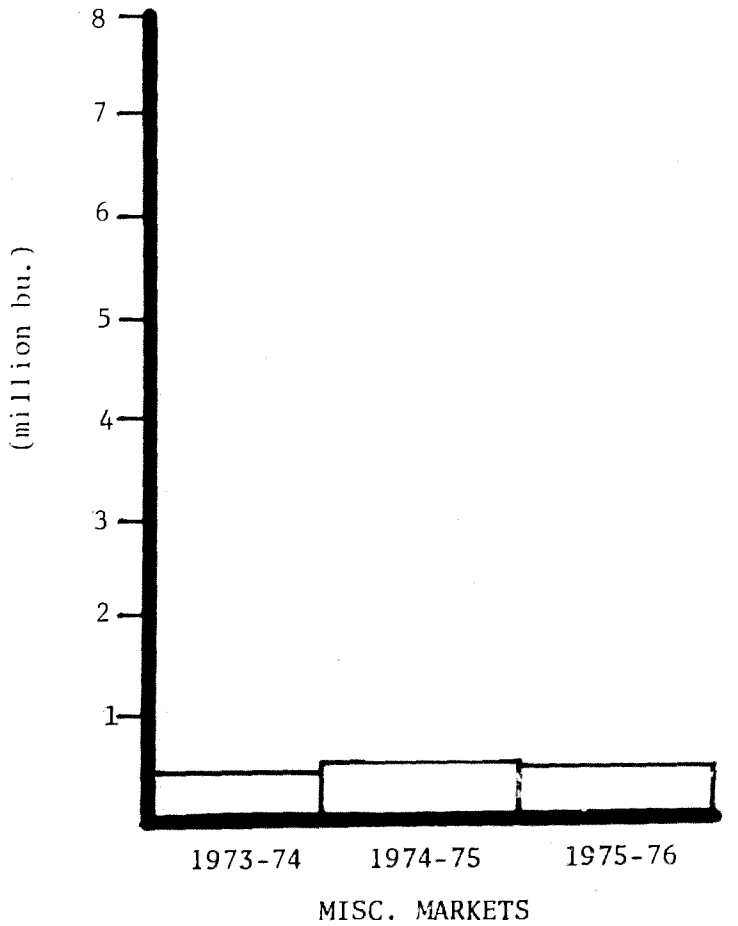
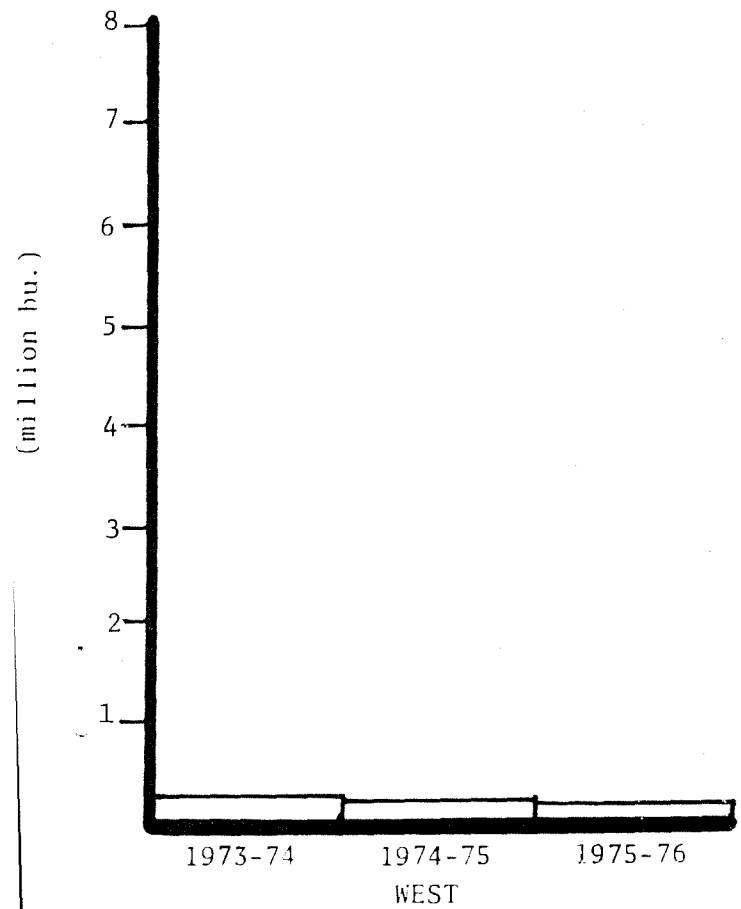
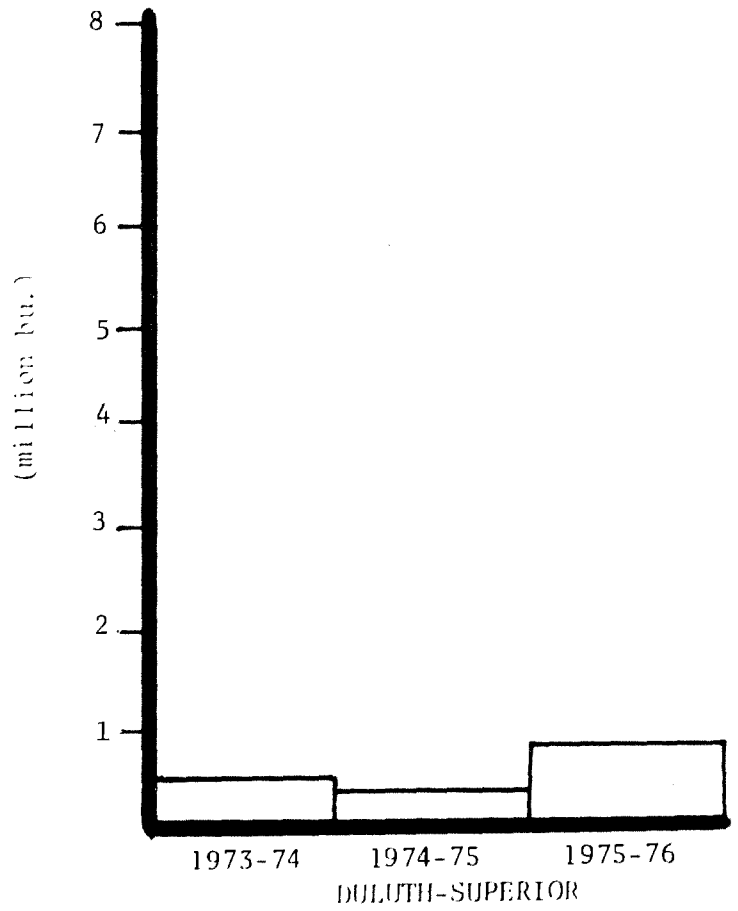
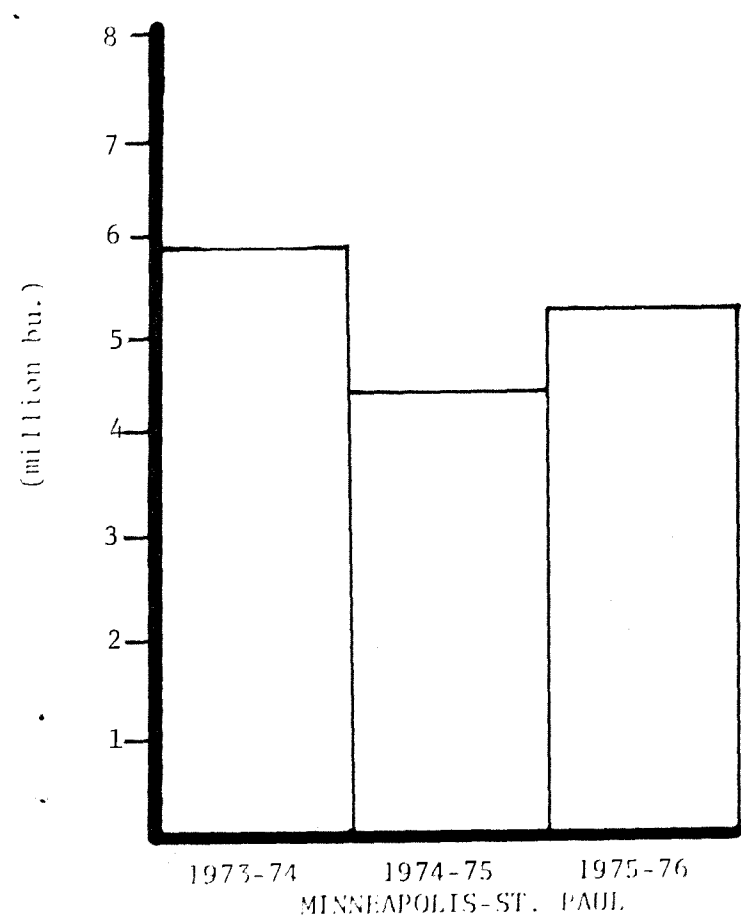
NORTH DAKOTA RYE SHIPMENTS BY MONTH
July, 1975 - June, 1976



NORTH DAKOTA FLAX SHIPMENTS
BY DESTINATION

NORTH DAKOTA FLAX SHIPMENTS
BY DESTINATION

| DESTINATION | 1973-74 | 1974-75 | 1975-76 |
|-----------------------|---------|---------|---------|
| (thousand bu.) | | | |
| MINNEAPOLIS-ST. PAUL | 5,891 | 4,354 | 5,170 |
| DULUTH-SUPERIOR | 524 | 346 | 855 |
| WEST | 91 | 69 | 60 |
| MISCELLANEOUS MARKETS | 365 | 531 | 505 |

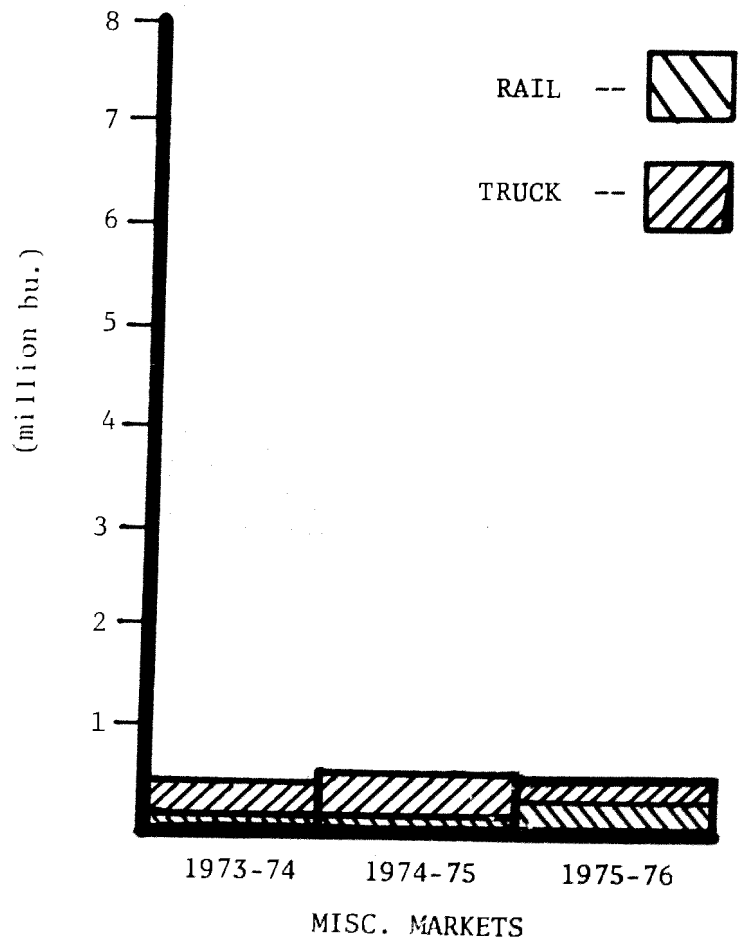
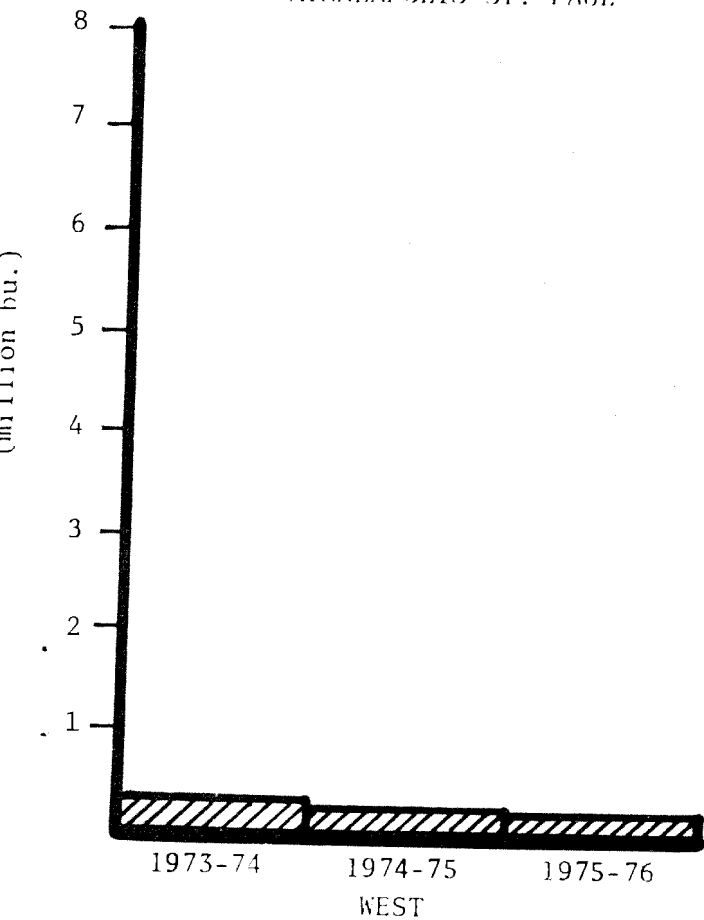
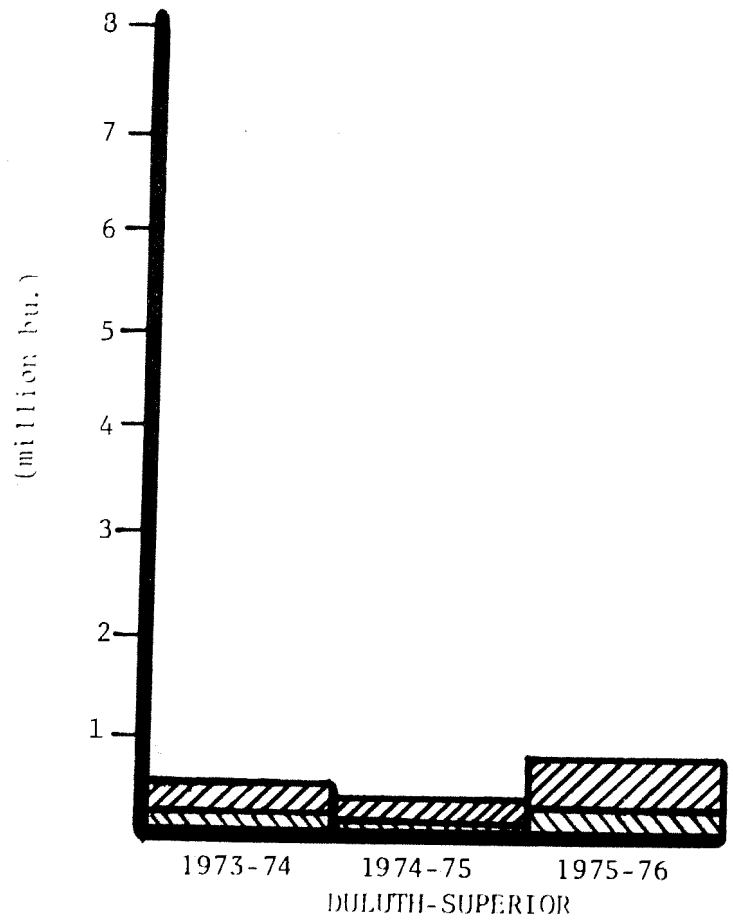
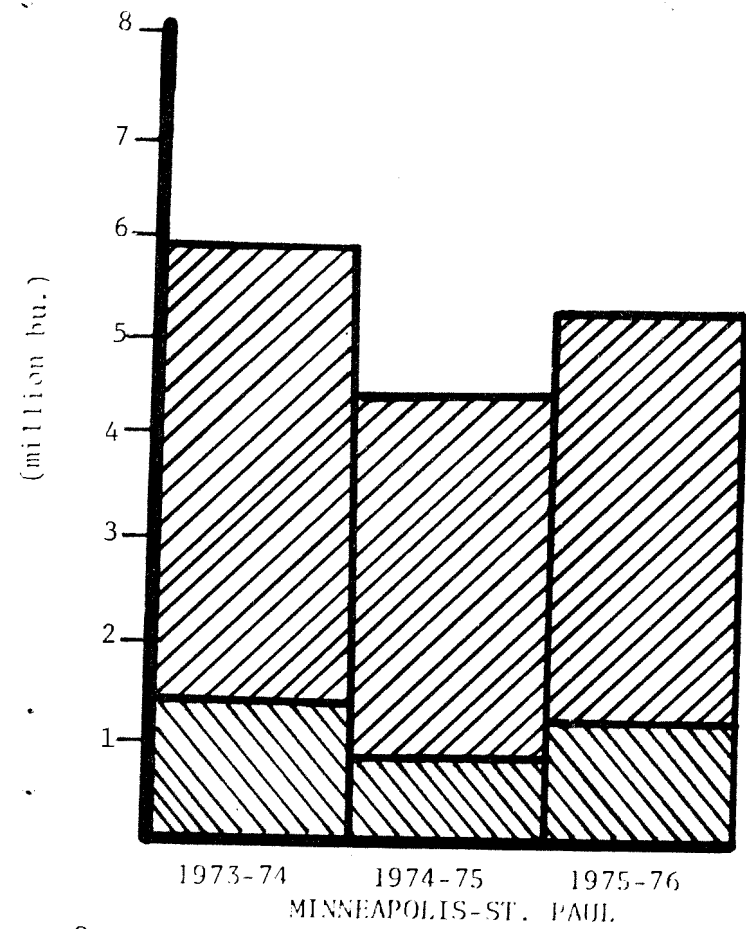
NORTH DAKOTA FLAX SHIPMENTS
BY DESTINATION

NORTH DAKOTA FLAX SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

NORTH DAKOTA FLAX SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

| DESTINATION | 1973-74 | | 1974-75 | | 1975-76 | |
|-----------------|----------------|----------------|--------------|----------------|----------------|----------------|
| | RAIL | TRUCK | RAIL | TRUCK | RAIL | TRUCK |
| | (thousand bu.) | | | | | |
| MINN.-ST. PAUL | 1,390 (24%) | 4,501 (76%) | 915 (21%) | 3,439 (79%) | 1,213 (23%) | 3,957 (77%) |
| DULUTH-SUPERIOR | 195 (37%) | 329 (63%) | 55 (16%) | 291 (84%) | 317 (37%) | 538 (63%) |
| WEST | 0 (0%) | 91 (100%) | 0 (0%) | 69 (100%) | 0 (0%) | 60 (100%) |
| MISC. MARKETS | 62 (17%) | 303 (83%) | 78 (15%) | 453 (85%) | 31 (6%) | 474 (94%) |

NORTH DAKOTA FLAX SHIPMENTS
BY RAIL AND TRUCK AND DESTINATION

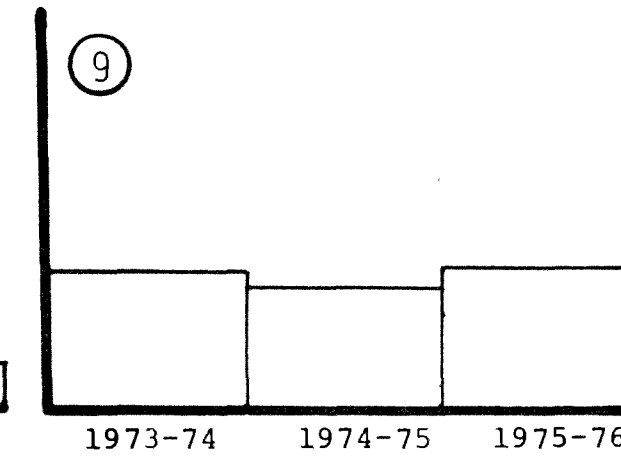
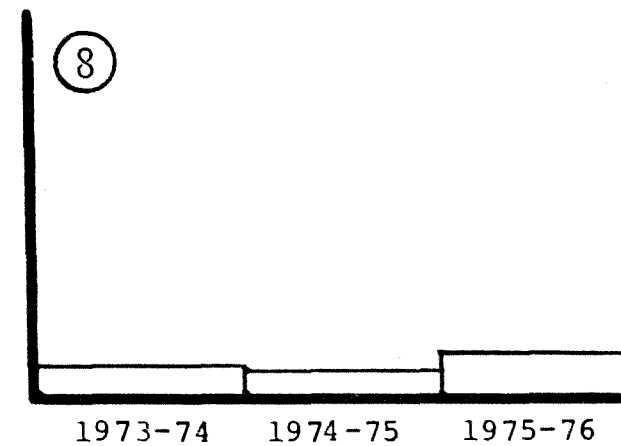
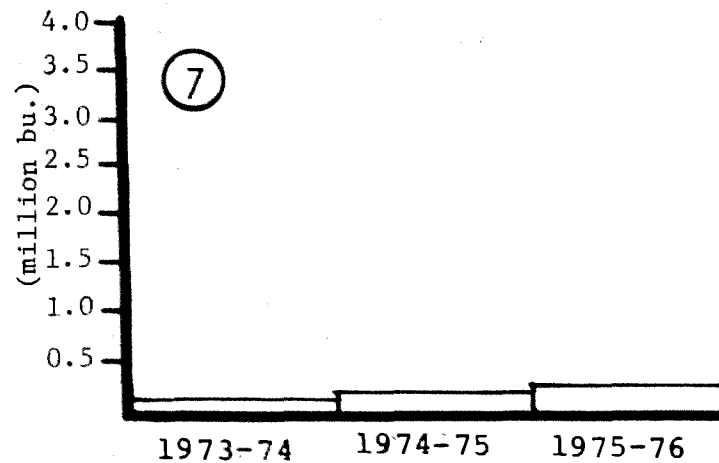
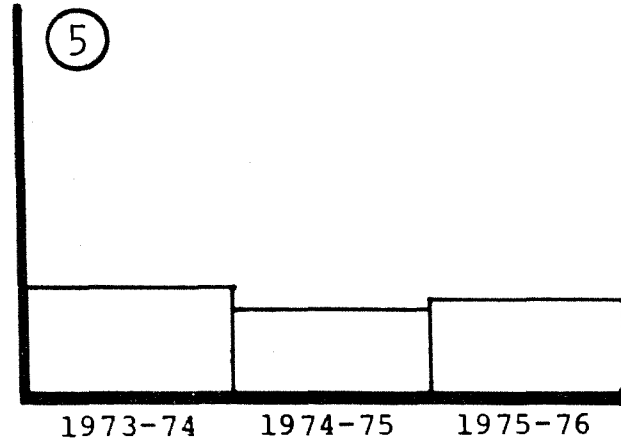
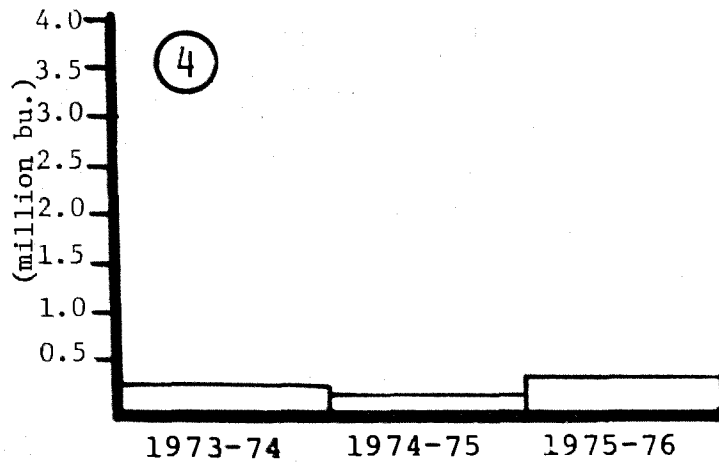
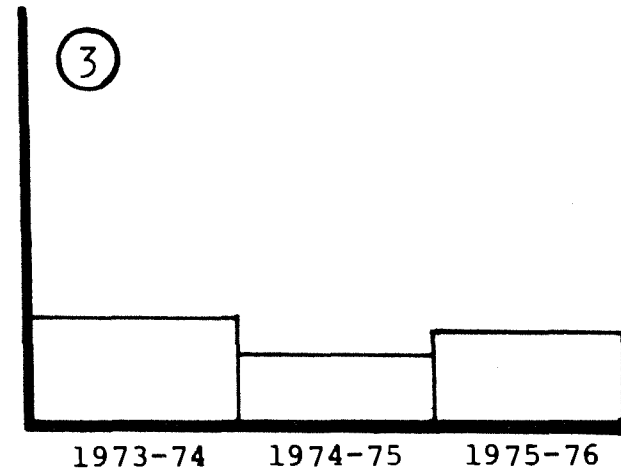
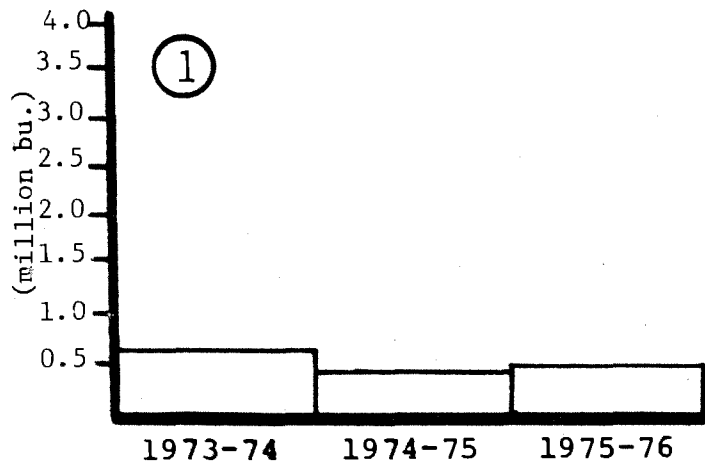


NORTH DAKOTA FLAX SHIPMENTS
BY ORIGIN
(CROP REPORTING DISTRICT)

NORTH DAKOTA FLAX SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)

| CROP REPORTING DISTRICT | 1973-74 | 1974-75 | 1975-76 |
|----------------------------|----------------|---------|---------|
| | (thousand bu.) | | |
| 1 | 652 | 426 | 487 |
| 2 | 1,271 | 707 | 1,047 |
| 3 | 1,011 | 703 | 929 |
| 4 | 339 | 258 | 371 |
| 5 | 1,061 | 806 | 986 |
| 6 | 900 | 889 | 819 |
| 7 | 67 | 78 | 135 |
| 8 | 261 | 236 | 424 |
| 9 | 1,309 | 1,196 | 1,393 |

NORTH DAKOTA FLAX SHIPMENTS
BY ORIGIN (CROP REPORTING DISTRICT)



NORTH DAKOTA FLAX SHIPMENTS BY MONTH
July, 1975 - June, 1976

