

# **MARKETING MICHIGAN APPLES**

## **1977 CROP**

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**FEDERAL-STATE MARKET NEWS SERVICE**

**U. S. Department of Agriculture  
Agricultural Marketing Service  
Fruit and Vegetable Division**

**Michigan Department of Agriculture  
Marketing Division**

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities related to the business.

2. It also emphasizes the need for regular audits and reviews to ensure compliance with applicable laws and regulations.

3. Furthermore, it highlights the significance of proper documentation and record-keeping for tax purposes and legal protection.

### 4. Key Considerations for Record Keeping

4.1. Accuracy and Completeness

4.2. Timeliness and Regularity

4.3. Security and Confidentiality

5. The document concludes by reiterating the importance of diligent record-keeping practices for the long-term success and stability of the business.

6. It also provides a list of resources and references for further information on record-keeping requirements and best practices.

7. The document is intended to serve as a comprehensive guide for business owners and managers seeking to optimize their record-keeping processes.

8. It is hoped that this information will be helpful and informative for all readers.

FOREWORD

This annual summary reflects the marketing activities of the 1977 Michigan apple crop. The Michigan Department of Agriculture, Marketing Division cooperating with the United States Department of Agriculture, Agricultural Marketing Service made this report possible.

Information contained in this summary was obtained from daily printed reports issued at the Federal-State Fruit and Vegetable Market News office in Benton Harbor, Michigan. Other sources of information include the United States Department of Agriculture, Crop Reporting Board and Al Braudo, Manager Benton Harbor Fruit Market.

We wish to express our sincere appreciation to the Michigan growers and shippers, also all other segments of the fruit and vegetable industry for their cooperation which made this report possible.

A telephone recorder is in operation during the season providing market news information which is updated three times daily. (Area Code 616 - 925-1096).

A Great Lakes Fruit Report including the latest apple prices is featured three times weekly by the following Michigan radio stations: WABJ - Adrian at 6:35PM, WHFB - Benton Harbor at 12:30PM, WKYO - Caro at 6:15AM, WCER - Charlotte at 12:30PM, WSHN - Fremont at 1:00PM, WHIC - Holland at 12:35PM, WION - Ionia at 1:00PM, WKLA - Ludington at 11:55AM, WMTE - Manistee at 12:50PM, WJPW - Rockford at 12:55PM, WJOR - South Haven at 12:20PM, and WCCW - Traverse City at 12:55PM.

Additional printed copies of this report may be obtained upon request from:

U.S. Department of Agriculture, AMS  
F & V Division, Market News Branch  
2503 Agriculture South Building  
14th & Independence Ave., S.W.  
Washington, D.C. 20250

Federal - State Market News Service  
P.O. Box 1204  
Benton Harbor, Michigan 49022  
Phone Area Code 616 - 925-3279  
or  
925-3270

Compiled by:  
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C.W. Hackensmith, Local Representative

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APPLES  
1977 CROP

**PRODUCTION:** The nation's 1977 utilized commercial apple crop totaled 6.7 billion lbs., a 5% increase from last year, but 6% below the 1975 figure. In the east, 2.7 billion lbs were utilized, 15% above a year earlier, and the central states production rose 12% to 975.6 million lbs. Both regions suffered from spring freeze damage to the 1976 crop. The western states produced nearly 3 billion lbs., off 6% from 1976, and 2% less than in 1975. Washington's crop, the largest in the nation, slipped 7% from a year ago to 2.1 billion lbs.<sup>1/</sup> Michigan's apple production totaled 540 million lbs. and was produced from 3.1 million trees. This was an increase of 60 million lbs. from the 1976 crop, but was down 160 million lbs. from 1975. Increased production was noted for the following primary varieties: McIntosh up 23 million lbs.; Jonathans and Northern Spies up 18 million lbs. each and Golden Delicious up 4 million lbs. Major decreases were recorded for Red Delicious, down 9 million lbs. and Staymans down 2 million.

**THE GROWING SEASON:** Conditions which led to a light Michigan apple crop for the second consecutive season began in 1976. A very dry fall was followed by a severe winter. This was followed by an early spring which forced bud development 2 to 3 weeks earlier than normal. Several frosts in late April and early May, which had temperatures into the low 20s, caused damage and limited the prospects for an average fruit crop. From late spring through midsummer the weather was warm, with little rainfall, however, the showers that fell were timely. The weather prior to harvest allowed for good sizing and added tonnage to the crop. Unfortunately, the welcomed rain soon became excessive; and wet, cloudy and cool weather lasted through September. This resulted in harvesting and quality problems.

**THE HARVEST:** The harvest of summer apples began in southwestern Michigan during the last week of July, while picking of McIntosh apples for the fall crop began around the 1st of Sept. Harvesting activities were slowed slightly by the wet weather, but were still ahead of normal. Picking moved at an active pace into October and was generally complete by the 1st of November.

**MARKETING:** For the second year in a row, one of the major problems that faced Michigan shippers and sales people was a short apple crop. The shortage seemed especially acute at times for Red Delicious, Winesaps, and Ida Reds.

This created an active market and almost assured a good level of demand for "fresh" market apples during the entire season. Aside from "fresh" apple sales, the processing market was active with a good inquiry for juice and cider apples. Added to this was a fairly strong export demand which most Michigan shippers were unable to pursue due to supply limitations. Another item that became a factor in the market was the variable quality of the 1977 crop. Quality ranged widely and varied according to the location of the orchard and the variety of apple. The marketing season began 2 to 3 weeks earlier than normal. The first F.O.B. shipping point prices of the season were reported on Wednesday, Aug. 31st. USFcy 2 1/4" & up McIntosh in 12-3 lb film bags sold from \$6.00-6.50. This compared to an opening prices in 1976 of \$6.00. Red Delicious opened at \$6.75-7.00, Jonathans from \$6.00-6.50 with Romes from \$6.00-6.25. Prices for regular storage supplies continued at about these levels on all varieties except Jonathans and Golden Delicious which drifted to about a dollar off the opening price. Controlled atmosphere storage rooms were opened earlier than usual as supplies from regular storage cleaned up very early. The price differential between regular and C.A. storage was approximately .50¢ per carton. Sales for the week ending Jan. 6th on 12-3 lb film bags of Red Del were \$7.25-7.50, Jonathans mostly \$6.25, McIntosh at \$6.50 with Romes and Winesaps at \$6.75. The market soon advanced and continued at a strong level up through the final report of the season on April 7th, which recorded the highest prices of the season.

**TRANSPORTATION:** Practically all Michigan apples were moved to market by refrigerated truck. In factoring 1,000 cwt and 10,000 lb units, the weights used for containers were: Tray or cell packs, bushel baskets or cartons, 1 1/8 bu cartons and cartoned 10-4 lb film bags figured at 40 lbs with cartoned 12-3 lb film bags at 36 lbs.

**41 CITIES:** Unloads of Michigan apples in the 41 cities through March totaled 488,000 cwt, only 1,000 cwt less than a year ago, but 415,000 cwt less than the unloads through March 1975.

<sup>1/</sup> - Non-citrus Fruits & Nuts, 1977 annual summary  
January 13, 1978, E.S.C.S., USDA

WEST MICHIGAN F.O.B. APPLES PRICES FOR THE 1977 CROP

REGULAR STORAGE

12-3 lb film bag packed in master containers graded U.S. Fancy 2 $\frac{1}{4}$ " and up sizes

WEEK ENDING	MCINTOSH	RED DELICIOUS	JONATHANS	GOLDEN DELICIOUS
Sept. 2	6.00-6.50			
9	6.00-6.25	6.75-7.00		
16	6.00-6.25	6.50-7.15	6.00-6.50	
23	6.00	6.50-7.00	6.00-6.50	
30	5.50-6.00	6.50-7.00	5.75-6.25	
Oct. 7	5.50-6.00	6.50-7.00	5.50-6.00	5.75-6.25
14	5.50-6.00	6.25-7.00	5.50-5.75	5.75-6.25
21	5.50-6.00	6.25-7.00	5.50-5.75	5.75-6.25
28	5.25-6.00	6.00-7.00	5.25-5.75	5.25-6.25
Nov. 4	5.50-6.00	6.25-7.00	5.25-5.75	5.50-6.00
11	5.50-6.00	6.25-7.00	5.25-5.75	5.50-6.00
18	5.50-6.00	6.50-7.00	5.25-5.75	5.50-6.00
25	5.50-6.00	6.50-7.00	5.25-5.75	5.50-6.00
Dec. 2	5.50-6.00	6.50-7.00	5.00-5.75	5.50-6.00
9	5.75-6.00	6.50-7.00	5.25-5.75	5.25-6.25
16	5.50-6.00	6.50-7.00	5.25-5.75	5.25-6.25
23	5.50-6.00	6.75-7.00	5.25-5.75	5.25-6.00
30	5.50-6.00	6.75-7.00		5.25-5.75
Jan. 6	5.25-6.00	6.50-7.00	5.00-5.75	5.25-5.75
13	6.00	6.50-7.00	5.25-5.50	5.25-5.75
20		6.75-7.00		5.00-5.75
27				5.00-5.50

WEEK ENDING	ROMES	STAYMANS	IDAREDS
Oct. 21	6.00-6.25	6.00	
28	6.00-6.25	6.00-6.25	
Nov. 4	6.00-6.25	6.00-6.25	6.75-7.25
11	6.00-6.25	6.00-6.25	
18	6.00-6.25	6.00-6.25	
25	6.00-6.25	6.00-6.25	
Dec. 2	6.00-6.25	6.00-6.25	
9	6.00-6.25		
16	6.00-6.25		
23	6.00-6.25		
30	6.00-6.25		
Jan. 6	6.00-6.25		
13	5.85-6.25		6.50-7.00
20	6.00-6.25		7.00
27	6.00-6.25		

## WEST MICHIGAN F.O.B. APPLE PRICES (CONTINUED)

## CONTROLLED ATMOSPHERE STORAGE

12-3 lb. film bag packed in master containers graded U.S. Fancy 2 $\frac{1}{4}$ " and up sizes

WEEK ENDING	RED DELICIOUS	JONATHANS	MCINTOSH	ROMES
Jan. 6	7.25-7.50	5.25-6.25	6.50	
13	7.25-7.50	6.25	6.50	6.75
20	7.25-7.50	6.25	6.25-6.75	6.75
27	7.50-8.00	6.25	6.50	6.75-7.50
Feb. 3	7.50-8.00	6.25	6.50	6.75-7.50
10	7.50-8.00	6.25	6.50	6.75-7.50
17	7.50-8.50	6.25	6.50	7.00-7.50
24	7.75-8.50	6.25-6.50	6.50	7.00-7.50
Mar. 3	7.75-8.50	6.25-6.50	6.50	7.00-7.50
10	8.00-8.50	6.25-6.50	6.50	7.25-7.50
17	8.00-8.50	6.25-6.50	6.50	7.25-8.00
24	8.00-8.50	6.25-6.50	6.25-6.75	7.00-8.00
31	8.00-8.50	6.25-6.50	6.25-6.50	7.50-8.00
Apr. 7	8.00-8.50	6.25-6.50	6.25-6.75	8.00

WEEK ENDING	WINESAP	IDAREDS	GOLDEN DELICIOUS
Jan. 20	6.75	7.50	
27	6.75-7.50	7.25-7.50	
Feb. 3	6.75	7.25-7.50	6.00-6.50
10	6.75-7.00	7.50	6.00-6.50
17	6.75-7.00	7.50	6.00-6.50
24	7.00-7.50	7.50	6.00-6.50
Mar. 3	7.00-7.50	7.50	6.00-6.50
10	7.00-7.50	7.50	6.00-6.50
17	7.00-7.50	7.50-8.00	6.00-6.50
24	7.00-8.00	7.50-8.00	6.00-6.50
31	7.50-8.00	7.50-8.00	6.00-6.50
Apr. 7			6.00-6.50

## REGULAR STORAGE

TRAY PACK CARTONS GRADED MOSTLY U.S. COMBINATION EXTRA FANCY AND FANCY

WEEK ENDING	RED DELICIOUS 88s	RED DELICIOUS 100s	RED DELICIOUS 113s	RED DELICIOUS 125s
Sept. 23	9.00-9.50	8.75-9.00	8.00-9.50	
30	8.50-9.00	8.50-9.00	8.00-8.50	7.75-8.00
Oct. 7	8.25-8.50	8.25-8.50	7.75-8.00	7.75-8.00
14	8.00-8.50	8.00-8.50	7.50-8.00	7.00-7.50
21	7.50-8.50	7.50-8.50	7.50-8.00	7.00-7.50
28	7.50-8.00			
Nov. 4	7.50-8.00	7.50-8.00	7.50-8.00	
11	7.50-8.00	7.50-8.00	7.50-8.00	
18	7.50-8.00	7.50-8.00	7.50-8.00	
25		7.50-8.00	7.50-8.00	7.50-7.75

## WEST MICHIGAN F.O.B. APPLES PRICES (CONTINUED)

## REGULAR STORAGE

TRAY PACK CARTONS GRADED MOSTLY U.S. COMBINATION EXTRA FANCY AND FANCY

WEEK ENDING	REGULAR STORAGE				C. A. STORAGE
	RED DELICIOUS 72-113s	RED DELICIOUS 64-100s	RED DELICIOUS 125-138s	RED ROMES 72-113s	RED DELICIOUS 72-113s
Nov. 18	7.50-8.00				
25	6.75-7.25	7.50-8.00	7.50-7.75		
Dec. 2	7.75-8.00	7.75-8.00	7.50		
9	8.00-8.50	8.00-8.50	7.75-8.00		
16	8.00-8.50	8.00-8.50			
23	8.00-8.50	8.00-8.50			
30					
Jan. 6	8.25-8.50			7.00-7.50	9.00
13	8.00-8.50			7.25-7.50	8.50-9.00
20					8.50-9.00
27					8.50-8.75
Feb. 3					8.75-9.50
10					8.75-9.50
17					8.75-9.00
24					8.75-9.50
Mar. 3					9.00-9.50
10					

## WEEKLY PRICE RANGE OF MICHIGAN APPLES AT WHOLESALE TERMINAL MARKETS

## C H I C A G O

12-3 LB FILM BAG PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP SIZES

WEEK ENDING	JONATHANS	REGULAR STORAGE			GOLDEN DELICIOUS
		RED DELICIOUS	MCINTOSH	RED ROMES	
Sept. 2	7.00-7.50				
23	6.50-7.00	7.00-7.50			
30	6.50-7.00	7.00-7.50	6.50-7.00		
Oct. 7	6.50	6.50-7.00	6.50-7.00		
14	6.00-6.50	6.50-7.00	6.50-7.00		
21	6.00-6.50	6.50-7.00	6.50-7.00		
28	6.00-6.50	6.50-7.50	6.50-7.00	6.00-6.50	
Nov. 4	6.00-7.00	7.00-7.50	6.50-7.00	6.00-6.50	
11	6.50-7.00	7.50	6.50-7.00	7.00-7.25	
18	6.50-7.00		6.50-7.00	7.00	
25	6.50-7.00	7.00-7.50	6.50-7.00	7.00-8.00	
Dec. 2	6.50-7.00		6.50-7.00	8.00	
9	6.50-7.00		6.50-7.00		
16	7.00		6.50-6.75	7.50-8.00	
23	6.00-6.50	7.00-7.50	6.50-6.75	7.50-8.00	6.50
30	6.00-6.50	7.50-8.00	6.00-6.50	7.50-8.00	6.00-6.50
Jan. 6	6.00-6.50	7.00-8.00	6.00-6.50	7.50-8.00	6.00-6.50
13	6.00-6.50	7.00-8.00	6.00-8.00	7.50-8.00	6.00-6.50
20	6.50-6.75	7.50-8.00	7.50-8.00	7.50-8.00	6.00-6.50
27	7.00-8.00	7.00-8.00	7.00-8.00	7.00-8.00	5.00
Feb. 3	7.00-7.50				5.00
10			8.00		



## WEEKLY PRICE RANGE OF MICHIGAN APPLES AT WHOLESALE TERMINAL MARKETS

C H I C A G O

CONTROLLED ATMOSPHERE STORAGE

12-3 LB FILM BAG PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP SIZES

WEEK ENDING	JONATHANS	RED ROMES	MCINTOSH	RED DELICIOUS
Dec. 16	8.00			
23	8.00			
30	7.50-8.00			
Jan. 6	7.50-8.00			
13	7.50-8.00			
20	8.00			
27	7.50	7.50	7.50	7.50-8.00
Feb. 3	8.00	8.00		8.00
10	8.00-8.25	8.25-8.50	8.00	8.00-8.50
17	7.50-8.25	8.50		8.50-8.75
24	8.00	8.50	8.00	8.50
Mar. 3	8.00	8.25-8.75	8.00	8.75-9.00
10	8.00	8.50	8.00	
17	7.00-7.50	8.50	7.50	9.00-9.50
24	7.50	8.00-8.50	7.50-7.75	9.00
31	7.75	8.50-9.00	7.75	9.00
April 7		8.00	8.50-9.00	8.00

CARTONS TRAY PACK COMBINATION USEXTRA FANCY & FANCY				FILM WRAPPED TRAYS 12-11s	
WEEK ENDING	RED ROMES 88-100s	RED ROMES 72s	RED DELICIOUS 72-100s	JONATHANS	MCINTOSH
Jan. 6	8.00		8.00		
13	8.00		8.00		
20		8.00	8.00		
Feb. 10				8.25-8.75	8.25-8.75
17				8.50-8.75	8.50-10.00
24				8.50-8.75	9.50-10.00
Mar. 3				8.50-8.75	9.50
10				8.50-8.75	9.50
17				8.50-8.75	9.00-9.25
24				8.50	9.50
31				8.75	9.50
April 7				8.50	

C L E V E L A N D12-3 LB FILM BAG PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP  
REGULAR STORAGE

WEEK ENDING	GOLDEN DELICIOUS	JONATHANS	RED DELICIOUS	ROMES
Sept. 23		6.50-7.50	8.50	
30		6.75-7.50	7.00-8.00	
Oct. 7		6.75-7.50	7.00-8.00	
14		7.25	7.50	
21		6.25-7.00		
28		6.00		
Nov. 4		6.00-7.00		
11		6.50		
18	6.00-6.50	6.00-6.50	7.75-8.00	
25	6.00-6.50	6.00-6.50	7.75-8.00	
Dec. 2	6.50-7.00	6.50-7.00	7.50-8.00	6.50-7.00
9	6.50-6.75	6.50-6.75	8.25	6.50-6.75
16	6.25-6.50	6.25-6.50		6.25-6.50
23				6.75-7.00
Jan. 20			8.75	7.00-7.50

## WEEKLY PRICE RANGE OF MICHIGAN APPLES AT WHOLESALE TERMINAL MARKETS

CLEVELAND12-3 LB FILM BAGS PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP  
CONTROLLED ATMOSPHERE STORAGE

WEEK ENDING	STAYMANS	JONATHANS	RED DELICIOUS	ROMES	WINESAP
Jan. 20		7.50	8.75	7.75	
27		7.50			
Feb. 3		7.50	8.75	7.50-7.75	
10		7.25-7.50	8.00-8.75	7.25-7.75	7.50
17		7.50-7.75	9.00-9.50		7.75
24		7.50-7.75	9.50-10.00	7.50-7.75	
Mar. 3	7.00-8.00	7.00-8.00	9.50-10.00		
10	7.00-8.00	7.00-8.00	9.50-10.00		GOLDEN DELICIOUS
17	7.00-8.00	7.00-8.00	9.50-10.00		
24	7.00-8.00	7.00-8.00	9.50-10.00		
31	7.00-8.00	7.00-8.00	9.50-10.00		8.00-8.50
April 7	7.00-8.00	7.00-8.00	9.50-10.00		8.00-8.50

CINCINNATI12-3 LB FILM BAGS PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP  
REGULAR STORAGE

WEEK ENDING	ROMES	WINESAP	MCINTOSH	JONATHANS	RED DELICIOUS	GOLDEN DELICIOUS
Oct. 7			6.00			
14			6.50-7.25	6.50-7.25	7.00-7.75	
21	7.25	7.25-7.50	6.75-7.25	6.75-7.00	7.25-7.75	6.75-7.25
28	7.25	7.25-7.75	6.25-6.75	6.50-7.25	7.25	6.25-6.75
Nov. 4	7.25	7.25-7.50		6.75-7.00	7.50	6.75-7.00
11	7.25	7.25-7.50	6.75-7.25	6.50-6.75	7.50	6.75
18	7.25	7.25-7.75	6.75-7.25	6.50-6.75	7.50	6.75
25	7.25	7.25-7.75	7.25		7.50-8.10	6.50
Dec. 2	7.25	7.25-7.50	6.75-7.25		7.50-8.00	6.75
9	7.25	7.50-7.75		6.75	7.50	6.75
16	7.25-7.75	7.50-7.75		6.75	7.90-8.00	6.75
23	7.25	7.50-8.00		6.75	7.75-8.00	6.75
30	7.25	7.50-8.00		6.75	7.75-8.25	6.75
Jan. 6	7.25	7.50-8.00	6.75	6.75	8.25	6.75
13	7.50	7.50-7.75	6.75	6.00-6.75	7.50-8.25	
20	7.50-8.25	7.50-7.75	6.75	6.00-6.75	7.90-8.25	
27	7.50-8.25	7.50-7.75	6.75-7.50	6.75-7.50	8.10-8.75	
Feb. 3		7.50-8.00	8.25	7.50-8.00	8.75	
10		8.00-8.25	7.50-8.50			
17		8.00	7.50	7.50		
24		8.00	7.75	7.75		
Mar. 3		8.50	7.75	7.75		
10		8.50	7.75	7.75		
17		8.50	7.75	7.75		
24		9.00	7.75	7.75		
31		9.00	8.00	7.75		
April 7		9.50	8.00	7.50-8.00		

## WEEKLY PRICE RANGE OF MICHIGAN APPLES AT WHOLESALE TERMINAL MARKETS

C I N C I N N A T I12-3 LB FILM BAGS PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP SIZES  
CONTROLLED ATMOSPHERE STORAGE

WEEK ENDING	RED DELICIOUS	ROMES	JONATHANS
Feb. 3			8.00
10	9.00	8.00	8.25
17	9.00	8.00	8.25
24	9.75	8.50	
Mar. 3	9.75	9.00	
10	9.50-9.75	9.00	
17	9.50	9.00	
24	9.50	9.00	
31	9.50	9.00	
April 7	9.00-9.75	9.50	

D E T R O I T12-3 LB FILM BAGS PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP SIZES  
REGULAR STORAGE

WEEK ENDING	NORTHERN SPIES	MCINTOSH	GOLDEN DELICIOUS	RED DELICIOUS
Sept. 16		5.50-6.00		
23		7.25	5.50-7.00	6.00-6.60
30		7.25		
Oct. 7		7.25		
14		5.00-5.50	7.00-7.25	7.00-7.25
21		4.75-5.50	7.00-7.25	7.00-7.25
28		6.00-6.50	7.50-8.00	7.50-8.00
Nov. 4			7.50-8.00	7.50-8.00
11		5.50-6.50	6.00-7.00	6.00-7.00
18				7.00-8.00
25		7.00-7.50	7.50-8.00	7.50-8.00
Dec. 2		4.50-7.50	7.50 8.00	7.50-8.00
9		4.50-5.00		
16		4.50-5.00		
23		4.50-5.00		
30		4.50-5.00		
Jan. 6	6.00-6.50	5.50-6.50	6.00-6.50	6.50-7.00
13	5.00-5.50	5.00-6.00	6.00-6.50	6.50-7.00
20	5.00-5.50	5.00-7.00	6.00-7.00	6.50-7.50
27	5.00-5.50	6.00-7.00	6.00-7.00	7.00-7.50
Feb. 3		6.00-7.50	6.00-7.50	7.00-8.00
10		6.50-7.00	6.00-7.00	7.00-8.00
17		6.50-7.50	6.00-7.00	7.00-8.00
24		6.50-7.50	6.00-7.00	7.00-8.00
Mar. 3		6.50-7.50	6.00-7.00	7.00-8.00
10		8.00	8.00	9.50
17		8.25		
24		8.25		
31		8.25	8.25-8.50	10.00
April 7		8.50		10.00

## WEEKLY PRICE RANGE OF MICHIGAN APPLES AT WHOLESALE TERMINAL MARKETS

DETROIT12-3 LB FILM BAG PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP SIZES  
REGULAR STORAGE

WEEK ENDING	JONATHANS	ROMES	IDA RED
Sept. 23	7.25		
30	7.25		
Oct. 7			
14	5.50-6.25		
21	5.00-7.50		
28	6.25-6.50		
Nov. 4	5.75-6.50		
11	5.50-6.50		
18	5.50-6.75		
25	7.00-7.50		
Dec. 2	4.50-7.50	6.50-7.50	
9	4.50-5.00	6.50-7.00	
16	4.50-5.00	6.50-7.00	
23	4.50-5.00		
30	4.50-5.00		
Jan. 6	5.50-6.50		
13	5.00-6.00		
20	5.00-7.00		
27	6.00-7.00		
Feb. 3	6.00-7.50		7.50-8.00
10	6.50-7.00		7.50-8.00
17	6.50-7.50		7.00-8.00
24	6.50-7.50		7.00-8.00
March 3	6.50-7.50		7.00-8.00
10	8.00	8.75	8.75
17	8.25	9.00-9.50	
24	8.25	9.50	
31	8.25	9.50	
April 7		9.50	

## BUSHEL CARTONS

WEEK ENDING	GOLDEN DELICIOUS	RED DELICIOUS	JONATHANS	MCINTOSH 2 $\frac{1}{4}$ "
SEPT. 23	6.00-6.50	5.50-6.50	3.50-5.50	NOV. 4 5.50-6.00
30		6.00		11 5.65-5.75
Oct. 21		8.00-8.50		18 5.50-5.75
Dec. 2	5.00-5.50	5.00-5.50		25 5.50-5.75
9	5.00-5.25			Dec. 2 5.50-5.75
16	5.00-5.25			9 5.50-5.75
Jan. 6			5.00	16 5.50-5.75
13			4.00-4.50	
20			4.50-5.00	
27			4.50-5.00	
Feb. 3			4.50-5.00	
10			4.50-5.00	
17			5.00-6.00	

## WEEKLY PRICE RANGE OF MICHIGAN APPLES AT WHOLESALE TERMINAL MARKETS

<u>S T. L O U I S</u>				
12 LB. FILM BAGS PACKED IN MASTER CONTAINERS GRADED U.S. FANCY 2 $\frac{1}{4}$ " AND UP SIZES				
REGULAR STORAGE			CONTROLLED ATMOSPHERE STORAGE	
WEEK ENDING	JONATHANS	RED DELICIOUS	JONATHANS	DELICIOUS
Oct. 14	6.25			
21	6.00-6.25			
28	6.25	7.75		
Nov. 4	6.25	7.75		
11	5.75-6.25	7.50-8.00		
18	6.00-6.75	7.50-8.00		
25	6.25-6.50	7.75		
Dec. 2	6.25-6.50	7.75		
9	6.25-6.50	7.75		
16	6.25-6.50	7.75		
23	6.25-6.50	7.75		
30	6.50		7.50	
Jan. 6	6.50		7.25-7.40	
13	6.25-6.50		7.25-7.50	
20	6.25-6.50		7.25-7.50	
27		8.50	7.25-7.50	
Feb. 3	6.75	8.50	7.50	
10			6.75-7.50	8.00
17			6.75-7.50	8.00
24			7.25-7.50	7.75
Mar. 3			7.25-7.50	7.75
10			7.25-7.50	
17			8.00	
24			8.00	
31			8.00	
April 7			8.00	

## CARTONS OVERWRAPPED

WEEK ENDING	JONATHANS 12-11s	MCINTOSH 12-11s	RED DELICIOUS 12-8s
Nov. 18	7.00-7.50	7.00-7.50	8.25-8.50
25	7.00-7.50	7.00-7.50	8.25-8.50

A T L A N T A:CARTONS TRAY PACK COMBINATION EXFANCY & FANCY  
REGULAR STORAGE

WEEK ENDING	RED DELICIOUS 88-100s
Nov. 18	9.00
25	9.00
Dec. 2	9.00
9	9.00
16	9.00
23	9.00
30	9.00
Jan. 13	9.50
20	9.50
27	9.50
Feb. 3	9.50
10	9.00

MICHIGAN WEEKLY FRESH MARKET APPLE TRUCK SHIPMENTS FOR 1977 - 1978  
( 100,00 LB. UNITS )

WEEK ENDING	1976- 1977	1977- 1978	1976-1977 TO DATE	1977-1978 TO DATE
Sept. 3	-	36	-	36
10	-	36	-	72
17	19	27	19	99
24	21	40	40	139
Oct. 1	40	46	80	185
8	41	61	121	246
15	48	59	169	305
22	53	50	222	355
29	56	52	278	407
Nov. 5	37	47	315	454
12	36	48	351	502
20	36	46	387	548
27	36	44	423	592
Dec. 3	40	49	463	641
10	52	41	515	682
17	49	47	564	729
24	33	42	597	771
31	32	35	629	806
Jan. 7	40	28	669	834
14	46	42	715	876
21	44	45	759	921
28	38	36	797	957
Feb. 5	54	56	851	1,013
11	61	58	912	1,071
18	55	50	967	1,121
24	51	47	1,018	1,168
Mar. 4	50	44	1,068	1,212
11	52	41	1,120	1,253
18	53	33	1,173	1,286
25	50	33	1,223	1,319
April 1	47	26	1,270	1,345
8	54	26	1,324	1,371
15	43	23	1,367	1,394
22	37	22	1,404	1,416
29	36	20	1,440	1,436
May 6	32	15	1,472	1,451
15	-	11	-	1,462
20	-	9	-	1,471

ESTIMATES OF MICHIGAN APPLES IN STORAGE NOVEMBER 1, 1977  
(In Thousands Of Units)

COMMON STORAGE

<u>VARIETY</u>	<u>1977</u>	<u>1976</u>	<u>1975</u>	<u>1974</u>	<u>1973</u>
McIntosh	108	36	8	155	24
Jonathan	171	191	79	249	84
Red Delicious	5	26	5	41	17
Spy	132	59	210	140	58
Golden Delicious	134	141	92	135	26
Rome	81	99	68	84	37
Idared	4	2	3	4	1
Winesap	39	50	23	95	17
All Other Varieties	<u>98</u>	<u>113</u>	<u>101</u>	<u>197</u>	<u>32</u>
TOTAL	772	717	589	1,100	296

COLD STORAGE

<u>VARIETY</u>	<u>1977</u>	<u>1976</u>	<u>1975</u>	<u>1974</u>	<u>1973</u>
McIntosh	233	263	420	699	370
Jonathan	740	532	1,398	1,233	1,165
Red Delicious	303	545	816	824	602
Spy	424	381	455	361	580
Golden Delicious	381	322	326	350	414
Rome	159	300	303	282	313
Idared	62	48	105	59	47
Winesap	93	82	192	134	216
All Other Varieties	<u>238</u>	<u>161</u>	<u>271</u>	<u>310</u>	<u>374</u>
TOTAL	2,633	2,634	4,286	4,252	4,081

CONTROLLED ATMOSPHERE STORAGE

<u>VARIETY</u>	<u>1977</u>	<u>1976</u>	<u>1975</u>	<u>1974</u>	<u>1973</u>
McIntosh	372	328	503	581	326
Jonathan	622	722	983	967	738
Red Delicious	539	834	1,009	909	624
Spy	94	92	96	46	148
Golden Delicious	125	129	144	123	94
Rome	179	280	274	256	120
Idared	95	156	156	120	82
Winesap	36	38	78	70	75
All Other Varieties	<u>38</u>	<u>15</u>	<u>15</u>	<u>67</u>	<u>5</u>
TOTAL	2,100	2,594	3,348	3,139	2,212

COMBINED TOTAL OF ALL STORAGE

<u>VARIETY</u>	<u>1977</u>	<u>1976</u>	<u>1975</u>	<u>1974</u>	<u>1973</u>
McIntosh	713	627	931	1,420	720
Jonathan	1,533	1,445	2,460	2,484	1,987
Red Delicious	847	1,405	1,920	1,773	1,243
Spy	649	532	761	547	786
Golden Delicious	640	592	562	556	534
Rome	419	679	645	620	470
Idared	161	206	264	183	130
Winesap	168	170	293	289	308
All Other Varieties	<u>375</u>	<u>289</u>	<u>387</u>	<u>619</u>	<u>411</u>
TOTAL	5,505	5,945	8,223	8,491	6,589

SOURCE: Michigan State Apple Council.

## NUMBER OF MICHIGAN TREES OF BEARING AGE (000 OMITTED)

1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967
3,100	3,100	3,100	3,100	3,050	3,050	3,000	2,920	2,800	2,690	2,590

  

NUMBER OF ACRES										
51,700	51,700	51,700	52,500	53,500	54,500	55,500	56,000	56,000	56,000	56,500

SOURCE: Michigan Crop Reporting Service, Lansing, Michigan

MICHIGAN DISPOSITION AND UTILIZATION OF SALES AND PRICE,  
1972-1977

YEAR	Total Production	UTILIZATION OF SALES					
		Fresh Market		Processing		Total utilization	
		Quantity	Price per pound	Quantity	Price per pound	Quantity	Price per pound
	Million Pounds	Million Pounds	Cents	Million Pounds	Cents	Million Pounds	Cents
1977	570	225	11.0	345	5.85	570	7.9
1976	480	215	11.7	265	6.40	480	8.08
1975	700	305	7.90	375	2.75	680	5.10
1974	670	240	9.50	430	4.26	670	6.20
1973	470	160	11.00	310	8.45	470	9.30
1972	730	235	7.10	495	2.97	730	4.30

## UTILIZATION OF SALES AND PRICES, 1972-1977

YEAR	CANNED		FROZEN		JUICE AND CIDER		OTHERS	
	Quantity	Price per Pound	Quantity	Price per Pound	Quantity	Price per Pound	Quantity	Price per Pound
	Million Pounds	Cents	Million Pounds	Cents	Million Pounds	Cents	Million Pounds	Cents
1977	112	6.80	76	7.1	143	4.60	1/	1/
1976	54	8.70	66	8.70	136	4.50	9	4.20
1975	93	3.20	97	3.50	180	2.10	5	3.00
1974	149	6.35	73	5.50	180	2.30	28	2.37
1973	121	8.75	103	10.30	80	5.85	6	4.93
1972	128	3.30	100	3.96	243	2.39	24	2.83

SOURCE: Michigan Crop Reporting Service, Lansing, Michigan

1/ Not available.

## BENTON HARBOR FRUIT MARKET

SEASON	CARLOT EQUIVALENTS SEASON TOTALS	SEASON AVERAGE PRICE	CASH RETURNS SEASON TOTALS
A P P L E S (Bushel Basket)			
1967	291	\$2.43	\$546,798
1968	171	2.76	376,497
1969	281	1.90	426,593
1970	328	2.08	546,557
1971	349	2.04	569,894
1972	274	2.54	556,303
1973	107	5.36	460,670
1974	189	4.05	611,242
1975	294	3.24	760,749
1976	97	5.40	469,449
10-YEAR AVERAGE	238	3.17	532,475
1977	152	5.04	611,246

SOURCE: Benton Harbor Fruit Market Summary.



## UNITED STATES COLD STORAGE HOLDINGS OF APPLES\*

	1975		1976 <sup>†</sup>		1977	
	<u>COLD STGE</u>	<u>C.A. STGE</u>	<u>COLD STGE</u>	<u>C.A. STGE</u>	<u>COLD STGE</u>	<u>C.A. STGE</u>
January	658,798	1,015,466	814,221	1,272,964	563,527	1,212,328
February	332,869	881,720	416,417	1,152,853	312,998	1,027,040
March	157,243	611,907	200,978	910,725	114,510	798,331
April	71,298	363,508	146,937	631,800	66,355	538,358
May	14,185	170,187	95,450	337,884	35,848	293,474
June	7,589	43,966	42,295	131,722	14,331	152,664
July	3,780	9,625	28,622	24,398	4,525	52,799
August	9,308	1,302	9,950	1,058	14,403	163
September	746,063	281,069	262,211	89,881	743,225	292,120
October	2,213,840	1,239,879	1,930,415	1,235,382	1,860,845	1,281,345
November	1,825,009	1,290,115	1,481,563	1,287,976	1,481,563	1,287,976
December	1,275,797	1,293,562	986,089	1,262,866	840,082	1,297,943

## COLD STORAGE HOLDINGS OF FROZEN APPLES\*

	<u>1975</u>	<u>1976</u>	<u>1977</u>
January	83,646	77,608	98,446
February	84,880	87,511	106,103
March	81,589	89,415	101,324
April	76,996	81,867	92,074
May	68,320	73,376	91,236
June	61,182	64,277	79,542
July	52,507	54,691	71,357
August	43,828	44,590	63,732
September	36,040	41,404	60,923
October	40,450	52,617	72,205
November	53,379	75,797	75,797
December	66,799	90,484	97,640

(\* ) Figures are in thousand pounds.

SOURCE: Monthly Cold Storage Booklets.

USDA, Statistical Reporting Service, Washington, D.C.

## PRODUCTION BY STATE OF APPLES

STATE	PRODUCTION					
	42-POUND EQUIVALENTS			MILLION POUNDS		
	1975	1976	1977	1975	1976	1977
Arkansas	502	262	548	22.5	11.0	23.5
California	10,952	11,429	11,429	460.0	480.0	480.0
Colorado	2,262	1,762	1,905	105.0	74.0	80.0
Connecticut	1,131	786	1,024	50.0	33.0	46.0
Delaware	333	310	321	14.0	13.0	13.5
Georgia 1/		500	476		22.0	22.0
Idaho	2,262	2,976	2,619	95.0	125.0	110.0
Illinois	2,667	2,048	2,500	115.0	86.0	108.0
Indiana	1,810	595	1,238	88.0	25.0	52.0
Iowa	221	143	293	9.3	6.0	12.5
Kansas	395	271	381	17.0	11.4	16.0
Kentucky	510	326	471	22.0	14.0	22.0
Maine	1,738	1,786	2,095	74.0	75.0	92.0
Maryland	1,881	1,500	1,667	86.0	63.0	70.0
Massachusetts	2,333	2,262	2,190	105.0	95.0	95.0
MICHIGAN	16,191	11,429	12,857	700.0	480.0	540.0
Minnesota	440	560	440	18.5	23.5	18.5
Missouri	1,595	1,190	1,381	77.0	50.0	58.0
New Hampshire	1,310	1,357	1,369	60.0	57.0	58.0
New Jersey	2,619	2,143	3,214	135.0	90.0	135.0
New Mexico	262	619	786	11.0	30.0	33.0
New York	20,476	19,524	21,429	1,020.0	820.0	900.0
North Carolina	6,667	6,310	6,429	315.0	265.0	270.0
Ohio	3,619	2,500	1,548	160.0	105.0	65.0
Oregon	3,571	4,048	3,333	150.0	170.0	140.0
Pennsylvania	11,988	8,548	10,238	550.0	360.0	430.0
Rhode Island	136	126	119	6.7	5.3	5.5
South Carolina	500	548	595	24.0	23.0	25.0
Tennessee	238	190	238	10.0	8.0	10.0
Utah	1,048	952	1,119	49.0	40.0	47.0
Vermont	1,000	1,119	1,048	47.0	47.0	47.0
Virginia	9,405	5,048	7,702	430.0	212.0	330.0
Washington	52,381	53,572	50,000	2,200.0	2,250.0	2,100.0
West Virginia	5,143	4,762	5,238	240.0	200.0	220.0
Wisconsin	1,524	1,238	1,333	64.0	52.0	56.0
UNITED STATES	169,110	152,739	159,573	7,530.0	6,421.2	6,730.5

1/ Estimates not available prior to the 1976 crop.

SOURCE: Noncitrus Fruits & Nuts 1977 Annual Summary.

## VALUE OF PRODUCTION BY STATE OF APPLES

STATE	1975	1976	1977	1975	1976	1977
	CENTS			1,000 DOLLARS		
Arkansas	7.9	11.1	8.8	1,667	1,221	2,024
California	5.8	6.3	7.0	26,680	30,240	33,600
Colorado	5.4	8.6	9.9	5,130	6,364	7,920
Connecticut	10.7	13.9	13.5	5,083	4,587	5,805
Delaware	6.5	9.5	9.0	910	1,235	1,215
Georgia 1/		9.2	8.4		1,932	1,680
Idaho	11.1	12.3	13.8	10,545	15,375	15,180
Illinois	7.6	10.2	9.2	8,512	8,772	9,660
Indiana	8.1	12.4	11.0	6,156	3,100	5,720
Iowa	10.2	10.6	12.7	949	636	1,562
Kansas	8.7	7.9	8.7	1,444	901	1,392
Kentucky	9.7	10.8	11.4	2,076	1,480	2,257
Maine	10.2	12.5	12.5	7,446	9,375	11,000
Maryland	7.0	9.8	9.4	5,530	6,174	6,580
Massachusetts	10.4	14.6	12.7	10,192	13,870	11,684
MICHIGAN	5.1	8.8	8.4	34,680	42,240	45,360
Minnesota	12.9	11.8	14.7	2,387	2,773	2,720
Missouri	12.4	15.3	12.1	8,308	7,650	7,018
New Hampshire	10.4	13.1	12.2	5,720	7,467	7,015
New Jersey	6.4	9.1	8.8	7,040	8,190	11,880
New Mexico	12.5	11.8	11.8	1,375	3,068	3,894
New York	6.8	7.9	8.6	58,480	64,780	77,400
North Carolina	5.9	9.1	9.4	16,520	24,115	25,380
Ohio	9.6	14.4	14.2	14,592	15,120	9,230
Oregon	4.8	7.2	9.5	7,200	12,240	13,300
Pennsylvania	5.9	8.3	8.9	29,707	29,797	38,270
Rhode Island	11.5	12.8	13.2	656	678	660
South Carolina	10.1	10.4	8.2	2,121	2,392	2,050
Tennessee	10.6	10.9	11.0	1,060	872	1,100
Utah	6.3	9.3	10.8	2,772	3,720	5,076
Vermont	10.3	12.0	11.9	4,326	5,640	5,236
Virginia	5.0	7.6	9.1	19,750	16,112	29,439
Washington	6.1	8.5	9.0	134,200	191,250	189,000
West Virginia	5.4	8.3	10.0	11,664	16,600	22,000
Wisconsin	9.4	11.8	13.7	6,016	6,136	7,672
UNITED STATES	6.5	8.8	9.3	460,894	566,102	620,979

1/ Estimates not available prior to the 1976 crop.

SOURCE: Noncitrus Fruits & Nuts 1977 Annual Summary.

## ECONOMIC ABANDONMENT OF APPLES

STATE	UNHARVESTED PRODUCTION			EXCESS CULLAGE		
	1975	1976	1977	1975	1976	1977
	MILLION POUNDS					
Arkansas	.6			.8		.5
Colorado	10.0					
Connecticut	2.5		3.0			
Georgia			2.0		1.0	
Illinois	1.0		3.0	2.0		
Indiana	10.0			2.0		
Iowa			.2			
Kansas	.1			.3		
Kentucky	.4		2.2	.2	.3	
Maine	1.0		4.0			
Maryland	6.7			.3		
Massachusetts	7.0		3.0			
MICHIGAN	20.0					
Missouri	10.0					
New Hampshire	5.0		.5			
New Jersey	22.0			3.0		
New Mexico		3.3			.7	
New York	160.0					
North Carolina	20.0			15.0		
Ohio	8.0					
Pennsylvania	45.7			.8	1.0	
Rhode Island	1.0		.5			
South Carolina	3.0					
Utah	4.0			1.0		
Vermont	5.0		3.0			
Virginia	35.0		6.5			
West Virginia	20.5			3.5		
UNITED STATES	398.5	3.3	27.9	28.9	3.0	.5

## TOTAL PRODUCTION BY VARIETIES FOR APPLES

VARIETY	MICHIGAN			UNITED STATES		
	1975	1976	1977	1975	1976	1977
	MILLION POUNDS					
Cortland	13.3	10.0	12.0	147.5	124.5	143.6
Delicious	114.1	81.0	70.0	2,631.8	2,423.3	2,322.0
Golden Delicious	41.3	29.0	33.0	1,115.2	1,152.7	1,210.5
Jonathan	186.9	125.0	143.0	434.7	304.2	353.9
McIntosh	119.0	79.0	102.0	699.0	543.3	680.9
Northern Spy	72.8	55.0	73.0	102.7	80.0	100.8
R. I. Greening	12.6	7.0	10.0	150.6	95.0	120.0
Rome Beauty	35.0	24.0	25.0	608.3	481.5	475.5
Stayman	18.9	14.0	12.0	277.9	171.1	202.9
Winesap	-	-	-	193.4	154.4	152.6
Yellow Newtown	-	-	-	139.0	154.0	151.0
York Imperial	-	-	-	341.6	193.3	269.7
Others	86.1	56.0	60.0	598.3	452.9	457.1
TOTALS	700.0	480.0	540.0	7,440.0	6,330.2	6,640.5

SOURCE: Noncitrus Fruits &amp; Nuts 1977 Annual Summary.

MICHIGAN AND TOTAL UNITED STATES UNLOADS IN 41 CITIES FOR APPLES  
RAIL AND TRUCK COMBINED IN 100,000 UNITS  
UNLOADS BY WEEKS DURING MICHIGAN'S SHIPPING SEASON

WEEK ENDING	M I C H I G A N			U N I T E D S T A T E S		
	1977 CROP	1976 CROP	1975 CROP	1977 CROP	1976 CROP	1975 CROP
July 1	-	4	1	140	171	114
8	-	3	2	132	130	117
15	1	4	1	125	161	98
22	-	2	1	134	160	82
29	-	1	-	142	151	69
Aug. 5	1	1	2	141	136	82
12	5	1	3	147	154	97
19	6	5	7	137	155	128
26	8	6	10	147	157	177
Sept. 2	8	6	9	174	191	191
9	8	6	13	207	202	355
16	18	6	15	327	302	407
23	20	6	25	361	363	413
30	15	11	27	376	384	424
Oct. 7	15	15	29	405	426	406
14	20	14	35	389	341	392
21	19	11	43	389	381	422
28	16	22	33	368	378	396
Nov. 4	16	17	33	386	383	406
11	22	22	25	356	411	372
18	16	18	25	389	396	396
25	17	13	18	316	317	342
Dec. 2	16	16	36	342	368	444
9	20	18	38	378	382	441
16	17	22	35	411	415	520
23	17	15	18	421	353	268
30	12	10	30	238	227	299
Jan. 6	9	13	31	241	281	318
13	11	16	24	262	305	342
20	12	17	39	219	332	395
27	10	19	30	306	348	414
Feb. 3	23	21	36	342	357	408
10	16	18	29	256	397	382
17	15	15	24	352	390	375
24	14	19	25	322	353	375
March 4	12	16	27	301	346	380
11	9	16	33	326	345	396
18	13	20	29	307	342	382
25	9	16	33	280	358	380
TOTALS	466	481	874	10,992	11,749	12,405

SOURCE: Weekly Summary Shipments Unloads

USDA, Transportation Section, Market News, Washington, D.C.

A P P L E S  
 COMBINED RAIL & TRUCK UNLOADS IN 41 CITIES IN 100,000 UNITS  
 BY STATES OF ORIGIN 1977

	MICH.	COLO.	CAN.	IDA.	IND.	ILL.	MD.	N.J.	N.Y.
Albany, New York	-	-	-	-	-	-	-	-	44
Atlanta, Georgia	10	6	5	10	-	-	1	-	8
Baltimore, Maryland- Washington, D.C.	2	-	-	7	-	-	12	1	24
Birmingham, Alabama	10	1	1	5	2	3	-	-	4
Boston, Massachusetts	-	-	2	-	-	-	-	16	97
Buffalo, New York	-	-	-	-	-	-	-	1	89
Chicago, Illinois	113	-	5	11	8	15	-	-	15
Cincinnati, Ohio	36	-	-	14	5	21	1	-	11
Cleveland, Ohio	35	-	1	7	1	2	4	1	73
Columbia, South Carolina	-	4	3	2	-	-	1	-	2
Dallas, Texas	1	32	5	10	-	1	-	-	8
Denver Colorado	5	40	-	16	-	-	-	-	2
Detroit, Michigan	147	1	2	2	-	-	-	-	7
Fort Worth, Texas	1	9	1	-	-	-	-	-	-
Houston, Texas	3	7	-	17	2	6	-	-	4
Indianapolis, Indiana	36	-	-	-	11	9	-	-	-
Kansas City, Missouri	16	-	-	1	-	-	-	-	-
Los Angeles, California	-	18	71	77	-	-	-	-	2
Louisville, Kentucky	32	-	2	-	5	16	-	-	-
Memphis, Tennessee	2	3	1	2	-	5	-	-	-
Miami, Florida	7	2	5	2	-	-	1	-	57
Milwaukee, Wisconsin	2	-	-	3	-	1	-	-	1
Minneapolis, Minnesota- St. Paul, Minnesota	12	-	-	-	-	1	-	-	15
Nashville, Tennessee	17	-	-	-	8	5	3	-	-
New Orleans, Louisiana	6	-	5	3	-	-	-	-	1
New York, New York- Newark, New Jersey	1	-	21	7	-	-	1	53	451
Oklahoma City, Oklahoma	1	4	-	13	-	-	-	-	-
Philadelphia, Pennsylvania	-	-	12	8	-	-	8	71	58
Pittsburgh, Pennsylvania	-	-	-	-	-	-	1	3	71
Portland, Oregon	-	-	-	8	-	-	-	-	-
Providence, Rhode Island	-	-	-	-	-	-	-	-	3
St. Louis, Missouri	23	-	6	6	-	48	-	-	-
Salt Lake City, Utah	-	-	-	7	-	-	-	-	-
San Antonio, Texas	2	43	1	7	-	-	-	-	2
San Francisco-California- Oakland, California	-	-	10	10	-	-	-	-	3
Seattle, Washington- Tacoma, Washington	-	-	1	1	-	-	-	-	-
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TOTALS	520	170	160	256	42	133	33	146	1,052
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SOURCE: Transportation Section, Washington, D.C.

A P P L E S  
RAIL & TRUCK COMBINED IN 100,000 LB UNITS  
BY STATES OF ORIGIN 1977

	N.C.	OHIO	ORE.	PENN.	VA.	WASH.	W.VA.	IMPORTS	OTHERS	TOTAL
Albany, New York	-	-	-	-	-	21	-	-	-	65
Atlanta, Georgia	58	-	2	14	31	126	3	-	6	280
Baltimore, Md.- Washington, D.C.	14	-	3	49	19	172	66	-	7	376
Birmingham, Alabama	26	-	-	2	5	78	4	-	3	144
Boston, Massachusetts	2	-	2	1	3	164	-	5	221	513
Buffalo, New York	2	-	-	-	-	32	-	-	-	124
Chicago, Illinois	10	-	10	-	-	463	-	3	61	714
Cincinnati, Ohio	1	24	-	3	2	206	33	-	7	364
Cleveland, Ohio	4	23	1	6	27	258	22	-	20	485
Columbia, South Carolina	26	-	2	14	16	53	1	-	7	131
Dallas, Texas	1	-	7	-	2	214	-	-	31	312
Denver, Colorado	-	-	4	-	-	225	-	1	10	303
Detroit, Michigan	10	-	2	3	8	223	2	5	4	416
Fort Worth, Texas	1	-	-	-	-	47	-	-	8	67
Houston, Texas	15	-	1	-	3	265	-	-	22	345
Indianapolis, Indiana	-	-	-	-	-	105	-	-	4	165
Kansas City, Missouri	-	-	-	-	-	136	-	-	55	208
Los Angeles, California	-	-	102	-	-	1,384	-	-	236	1,890
Louisville, Kentucky	6	-	-	2	4	64	1	-	10	142
Memphis, Tennessee	2	-	-	2	3	54	-	-	8	82
Miami, Florida	14	-	1	6	26	154	3	-	76	354
Milwaukee, Wisconsin	-	-	1	-	-	45	-	-	11	64
Minneapolis, MN- St. Paul, Minnesota	13	-	-	-	1	264	-	-	61	367
Nashville, Tennessee	17	-	-	5	23	79	1	-	10	168
New Orleans, Louisiana	16	-	1	-	3	149	9	-	24	217
New York, New York- Newark, New Jersey	5	-	6	50	27	617	1	1	35	1,276
Oklahoma City, Oklahoma	-	-	-	-	-	89	-	-	17	124
Philadelphia, Pennsylvania	6	-	1	78	21	234	9	-	25	531
Pittsburgh, Pennsylvania	5	4	1	81	8	137	15	-	5	331
Portland, Oregon	-	-	47	-	-	75	-	1	-	131
Providence, Rhode Island	-	-	-	-	-	15	-	-	8	26
St. Louis, Missouri	-	-	2	-	-	197	-	-	15	297
Salt Lake City, Utah	-	-	-	-	-	70	-	2	10	89
San Antonio, Texas	12	-	1	-	1	179	-	-	28	276
San Francisco, CA- Oakland, California	-	-	28	-	-	441	-	7	151	650
Seattle, WA- Tacoma, Washington	-	-	18	-	-	338	-	-	1	359
<b>TOTAL</b>	<b>266</b>	<b>51</b>	<b>243</b>	<b>316</b>	<b>233</b>	<b>7,373</b>	<b>170</b>	<b>25</b>	<b>1,197</b>	<b>12,386</b>

SOURCE: Transportation Section, Washington, D.C.