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**FRUIT AND VEGETABLE CROPS  
COSTS AND RETURNS  
FROM  
FARM COST ACCOUNTS**

**27 FARMS-1980  
NEW YORK STATE**

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REPORTS  
from  
FARM COST ACCOUNTS

27 Farms, 1980

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WESTERN NEW YORK

FRUIT AND VEGETABLE CROPS COSTS AND RETURNS, A.E. Res. 81-25

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## INTRODUCTION

The New York Farm Cost Account Project is a research project which is a part of the Cornell Agricultural Management Information System (CAMIS). Since 1914 data have been published from detailed enterprise records kept by New York farmers in cooperation with the Department of Agricultural Economics at Cornell University. These publications provide College and field staff as well as farmers and others interested in agriculture with a continuous record of economic changes taking place on New York farms.

The farms are located in most of the farming areas of the State. They are generally well-managed, full-time, commercial farm businesses. They are representative of the "better" farms in New York.

The reports present the results for individual enterprises and the averages of the enterprise costs and returns for all farms. They show not only the averages of costs and returns but also indications of the variations and reasons for them. The factors for individual enterprises are arranged according to size of enterprise. The annual averages of the various factors are not averages of average costs but are weighted by the size of the enterprise.

### Acknowledgements

The project was under the supervision of Darwin Snyder, who also did the field work necessary to complete the records. Editing and processing the data, closing the books, and the preparation of these reports was done by Barbara Wilcox and Florence Blodgett assisted by Oneta Shipe. Mary Chaffee typed and assembled the reports and assisted in processing the data.

The material on page 4 of this report was taken from A.E. Res. 81-10, Dairy Farm Management, Business Summary, New York, 1980, by Stuart F. Smith.

Special acknowledgement is due the group of farmers who are willing to keep the detailed records so essential to such a system of enterprise cost accounting. Without their continuing efforts and willingness to provide this information, this important and accurate source of real farm data would not exist.

## FRUIT

COMMERCIAL FRUIT UTILIZED PRODUCTION  
New York and United States

| Fruit               | New York           |      |      |      | United States      |       |       |       |
|---------------------|--------------------|------|------|------|--------------------|-------|-------|-------|
|                     | Average<br>1969-73 | 1978 | 1979 | 1980 | Average<br>1969-73 | 1978  | 1979  | 1980  |
| -- thousand tons -- |                    |      |      |      |                    |       |       |       |
| Apples              | 422                | 540  | 518  | 550  | 3,116              | 3,798 | 4,072 | 4,414 |
| Sweet Cherries      | 5                  | 4    | 4    | 5    | 129                | 157   | 182   | 172   |
| Tart Cherries       | 16                 | 9    | 14   | 15   | 131                | 91    | 85    | 109   |
| Grapes              | 141                | 188  | 165  | 175  | 3,555              | 4,567 | 4,989 | 5,595 |
| Peaches             | 9                  | 8    | 3    | 7    | 1,455              | 1,326 | 1,475 | 1,537 |
| Pears               | 16                 | 19   | 18   | 18   | 668                | 723   | 855   | 894   |

Source: Non-Citrus Fruits and Nuts, 1980 Annual Summary; Midyear Supplement;  
FrNt 1-3(81); CRB, SRS, USDA.

New York continues to rank second in the nation for the production of apples, tart cherries and grapes. In 1980, New York ranked fourth in pear and fifth in sweet cherry production. Apple production for 1980 set records in New York and the nation. New York tart cherry production increased for the third consecutive year to the highest level since 1972. Sweet cherry production also increased for the third year in a row to the highest level since 1975. Grape production improved over 1979 and peach production increased significantly over the poor crop of 1979. The pear crop was down slightly from 1979. Nationally, grapes as well as apples, increased significantly over the 1979 production.

AVERAGE FARM PRICES OF FRUITS  
New York and United States

| Fruit                 | New York           |      |      |      | United States      |      |      |      |
|-----------------------|--------------------|------|------|------|--------------------|------|------|------|
|                       | Average<br>1969-73 | 1978 | 1979 | 1980 | Average<br>1969-73 | 1978 | 1979 | 1980 |
| -- dollars per ton -- |                    |      |      |      |                    |      |      |      |
| Apples:               |                    |      |      |      |                    |      |      |      |
| Fresh                 | 180                | 270  | 350  | 360  | 154                | 278  | 308  | 242  |
| Processed             | 65                 | 103  | 103  | 86   | 63                 | 117  | 114  | 82   |
| All Sales             | 105                | 170  | 200  | 188  | 115                | 208  | 218  | 172  |
| Sweet Cherries        | 271                | 543  | 447  | 450  | 352                | 688  | 601  | 552  |
| Tart Cherries         | 204                | 858  | 924  | 382  | 209                | 876  | 944  | 404  |
| Grapes                | 174                | 244  | 236  | 217  | 117                | 233  | 237  | 239  |
| Peaches               | 214                | 370  | 444  | 470  | 133                | 240  | 232  | 248  |
| Pears                 | 131                | 205  | 182  | 215  | 120                | 219  | 204  | 196  |

Source: Non-Citrus Fruits and Nuts, 1980 Annual Summary; Midyear Supplement;  
FrNt 1-3(81); CRB, SRS, USDA.

Although fresh apple prices increased somewhat in 1980, the large decrease in processed apple prices in New York resulted in the average price for all apples to be lower than for 1979 but still the second highest on record. U.S. apple prices were the lowest since 1976. Sweet cherry prices in New York for 1980 remained similar to 1979 but were well below prices in 1977 and 1978. Tart cherry prices declined dramatically from recent high levels and were the lowest since 1975. Prices for grapes also decreased in New York and remained steady for the U.S. Prices for both pears and peaches in New York rose to new highs for 1980.

## VEGETABLES

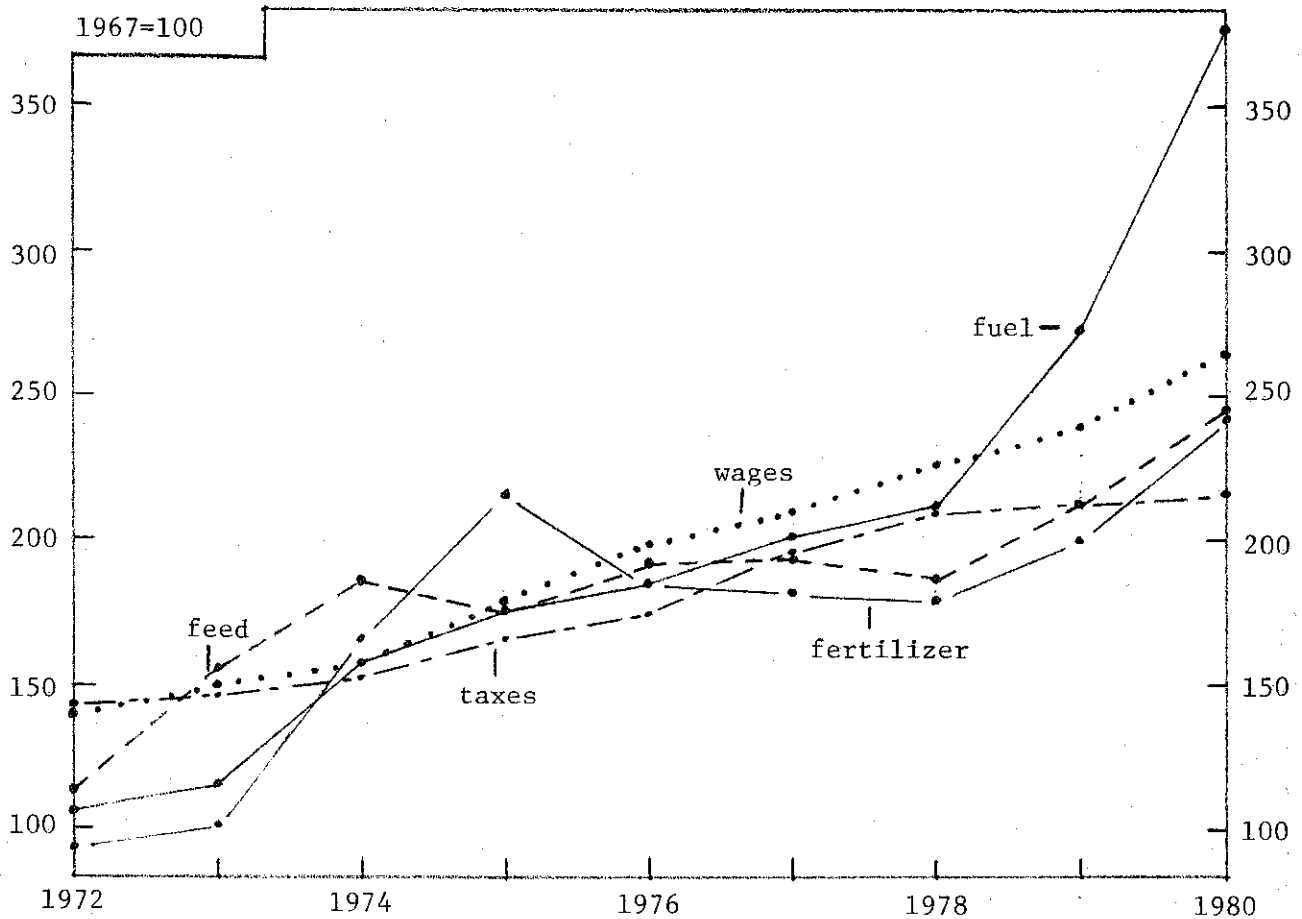
VEGETABLES FOR PROCESSING AND FRESH MARKET  
Acreage, Yield and Value per Unit  
New York

| Crop                     | 1980% of U.S.<br>Total Production |  | Acres Harvested |      | Yield per Acre |         | Value per Unit |      |            |       |       |
|--------------------------|-----------------------------------|--|-----------------|------|----------------|---------|----------------|------|------------|-------|-------|
|                          | %                                 |  | 1978            | 1979 | 1978           | 1979    | 1978           | 1979 |            |       |       |
|                          |                                   |  | - 1,000 acres - |      | - tons -       |         | - \$/ton -     |      |            |       |       |
| Processing vegetables:   |                                   |  |                 |      |                |         |                |      |            |       |       |
| Beans, snap              | 16                                |  | 51              | 46   | 46             | 2.1     | 2.3            | 2.4  | 150        | 161   | 169   |
| Beets                    | 32                                |  | 5.0             | 5.0  | 3.8            | 15      | 16             | 17   | 40         | 37    | 43    |
| Cabbage, kraut           | 40                                |  | 4.0             | 3.4  | 3.4            | 21      | 25             | 25   | 30         | 30    | 32    |
| Sweet corn               | 4                                 |  | 20              | 21   | 17             | 4.9     | 5.3            | 5.1  | 45         | 47    | 49    |
| Peas                     | 2                                 |  | 5.7             | 6.2  | 6.0            | 1.4     | 1.7            | 1.7  | 250        | 249   | 278   |
| Fresh market vegetables: |                                   |  |                 |      |                |         |                |      |            |       |       |
|                          | %                                 |  | - 1,000 acres - |      |                | - cwt - |                |      | - \$/cwt - |       |       |
| Beans, snap              | 8                                 |  | 6.0             | 6.1  | 5.5            | 40      | 39             | 45   | 25.90      | 27.40 | 29.60 |
| Cabbage - Summer, L.I.   | 3                                 |  | 0.6             | 0.8  | 0.7            | 247     | 270            | 240  | 9.70       | 8.27  | 10.40 |
| Upstate                  | 10                                |  | 1.0             | 1.0  | 1.5            | 438     | 355            | 320  | 7.21       | 5.58  | 8.71  |
| - Fall, L.I.             | 3                                 |  | 0.7             | 0.7  | 0.6            | 266     | 300            | 245  | 4.52       | 8.25  | 11.60 |
| Upstate                  | 40                                |  | 6.0             | 6.5  | 5.9            | 427     | 400            | 325  | 11.20      | 4.73  | 10.10 |
| Carrots*                 | 2                                 |  | 1.2             | 1.1  | 1.0            | 300     | 290            | 365  | 4.76       | 4.55  | 8.56  |
| Cauliflower* - Summer    | 11                                |  | 1.0             | 1.1  | 1.3            | 65      | 80             | 90   | 21.00      | 20.50 | 19.20 |
| - Fall                   | 11                                |  | 1.6             | 1.9  | 1.9            | 100     | 105            | 110  | 17.10      | 15.60 | 20.20 |
| Celery* - Summer         | 6                                 |  | 0.6             | 0.5  | 0.6            | 420     | 480            | 425  | 15.70      | 9.11  | 9.49  |
| Cucumbers                | 6                                 |  | 2.5             | 2.7  | 3.2            | 105     | 115            | 110  | 11.40      | 12.10 | 10.40 |
| Lettuce                  | 1                                 |  | 3.5             | 3.6  | 3.8            | 190     | 195            | 210  | 9.95       | 12.00 | 13.60 |
| Onions*                  | 13                                |  | 13.9            | 14.6 | 14.3           | 310     | 330            | 310  | 7.85       | 7.85  | 15.10 |
| Sweet corn               | 12                                |  | 21              | 22   | 22             | 63      | 65             | 75   | 6.69       | 8.43  | 9.51  |
| Tomatoes                 | 2                                 |  | 3.0             | 3.0  | 3.2            | 110     | 130            | 130  | 20.20      | 25.40 | 28.60 |

Source: Vegetables, 1980, Annual Summary; Vg 1-2(81); CRB, FSCS, USDA.

\* Includes data for both fresh market and processing crops.

PRICES PAID BY FARMERS FOR SELECTED ITEMS, 1972-1980



Prices of major farm inputs have all increased since 1972 but only wages paid by farmers have increased at a fairly constant rate. Feed prices rose 15 percent in 1980. Fertilizer prices increased 20 percent in 1980. Fuel prices jumped 29 percent in 1979 following four years of single digit increases and increased by 39 percent in 1980.

Table 3. PRICES PAID BY FARMERS FOR SELECTED ITEMS, 1972-1980

| Year               | Index 1967=100 |            |      |       |       |
|--------------------|----------------|------------|------|-------|-------|
|                    | Feed           | Fertilizer | Fuel | Wages | Taxes |
| 1972               | 112            | 94         | 108  | 140   | 142   |
| 1973               | 157            | 102        | 116  | 150   | 146   |
| 1974               | 185            | 167        | 159  | 160   | 154   |
| 1975               | 177            | 217        | 177  | 180   | 166   |
| 1976               | 192            | 185        | 187  | 199   | 176   |
| 1977               | 194            | 182        | 203  | 212   | 195   |
| 1978               | 186            | 180        | 212  | 229   | 210   |
| 1979               | 213            | 202        | 273  | 241   | 213   |
| 1980               | 245            | 242        | 380  | 264   | 216   |
| Percent increase:  |                |            |      |       |       |
| 1972 to 1979       |                |            |      |       |       |
| (average per year) | 13%            | 16%        | 22%  | 10%   | 8%    |
| 1979 to 1980       | 15%            | 20%        | 39%  | 9%    | 1%    |

SOURCE: USDA Agricultural Prices

Table 1. TEMPERATURE, PRECIPITATION AND GROWING SEASON  
Selected Stations, New York, 1941-70 and 1980

| Station     | Average temperature |      | Precipitation |      |              |      | Length of growing season* |      |
|-------------|---------------------|------|---------------|------|--------------|------|---------------------------|------|
|             | May - Sept.         |      | May - Sept.   |      | Total Annual |      | 1947-67                   | 1980 |
|             | 1941-70             | 1980 | 1941-70       | 1980 | 1941-70      | 1980 | 1947-67                   | 1980 |
|             | degrees             |      |               |      | inches       |      | days                      |      |
| Albany      | 65.7                | 65.7 | 15.4          | 17.3 | 33.4         | 32.6 | ---                       | 169  |
| Alfred      | 61.8                | 62.0 | 17.2          | 14.1 | 36.7         | 33.2 | 125                       | 123  |
| Aurora      | 64.6                | 64.5 | 13.8          | 15.6 | 40.0         | 31.7 | 160                       | 170  |
| Batavia     | 64.1                | 65.2 | 15.3          | 17.8 | 32.6         | 31.5 | 154                       | 156  |
| Binghamton  | 63.3                | 64.8 | 17.9          | 13.7 | 37.4         | 34.8 | 154                       | 170  |
| Canton      | 63.0                | 61.9 | 16.5          | 15.7 | 34.5         | 34.0 | 127                       | 107  |
| Glens Falls | ----                | 63.4 | 17.8          | 11.0 | 39.3         | 26.1 | ---                       | 136  |
| Ithaca      | 63.8                | 63.6 | 17.2          | 13.1 | 34.8         | 31.4 | 145                       | 136  |
| Lowville    | 62.5                | 62.3 | 16.5          | 16.9 | 38.5         | 42.2 | 123                       | 136  |
| Utica       | 63.5                | 64.1 | 18.1          | 15.1 | 40.6         | 36.1 | 157                       | 170  |

\* Days between the last temperature of 32 degrees in the spring and the first in the fall.

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1980, Vol. 92, No. 13.

Weather is a factor to be considered when studying a farm business for a specific year. The growing conditions have a market effect on the crops for that year. It is for this reason that data are presented on the growing conditions for 1980 and for the period 1941-70.

The 1980 growing season in New York resulted in a good crop year with average season temperatures and somewhat less than average precipitation. Low moisture levels from a short snowfall during the winter were made up by above normal rainfall in March and early April. The most notable variations in weather during the growing season were abnormally warm, dry conditions in May and August. June and October were notably cooler than normal. Good planting conditions in May were followed by cool, wet weather during June. Fall harvest conditions were generally good throughout September and October.

Data in Tables 1 and 2 are presented for ten weather stations located throughout the State.

Table 2. GROWING SEASON RAINFALL  
Selected Stations, New York, 1941-70 and 1980

| Station     | May     |      | June    |      | July    |      | August  |      | September |      |
|-------------|---------|------|---------|------|---------|------|---------|------|-----------|------|
|             | 1941-70 | 1980 | 1941-70 | 1980 | 1941-70 | 1980 | 1941-70 | 1980 | 1941-70   | 1980 |
|             | inches  |      |         |      |         |      |         |      |           |      |
| Albany      | 3.26    | 1.05 | 3.00    | 4.90 | 3.12    | 2.69 | 2.87    | 6.45 | 3.12      | 2.24 |
| Alfred      | 3.76    | 1.39 | 3.76    | 3.44 | 3.73    | 1.16 | 3.00    | 5.49 | 2.93      | 2.65 |
| Aurora      | 2.98    | 1.03 | 2.54    | 5.63 | 3.03    | 3.24 | 2.81    | 2.85 | 2.46      | 2.87 |
| Batavia     | 3.17    | 1.70 | 2.69    | 8.01 | 3.05    | 2.31 | 3.50    | 1.55 | 2.87      | 4.23 |
| Binghamton  | 3.83    | 1.54 | 3.59    | 5.68 | 3.83    | 2.09 | 3.61    | 1.58 | 3.02      | 2.81 |
| Canton      | 3.37    | 0.93 | 2.91    | 2.22 | 3.43    | 4.43 | 3.47    | 3.35 | 3.31      | 4.78 |
| Glens Falls | 3.63    | 1.10 | 3.77    | 2.92 | 3.68    | 2.07 | 3.42    | 1.94 | 3.31      | 2.99 |
| Ithaca      | 3.55    | 1.37 | 3.40    | 4.13 | 3.67    | 3.43 | 3.49    | 1.98 | 3.08      | 2.21 |
| Lowville    | 3.42    | 1.98 | 2.94    | 3.89 | 3.26    | 6.42 | 3.58    | 1.07 | 3.31      | 3.49 |
| Utica       | 3.52    | 1.37 | 3.55    | 4.56 | 4.17    | 5.26 | 3.54    | 1.47 | 3.32      | 2.41 |

Source: Climatological Data, NOAA, Environmental Data Service, Annual Summary, New York, 1980, Vol. 92, No. 13.



YIELDS FOR CROPS AND LIVESTOCK  
New York State and Farm Cost Account Averages

| Item         | Unit | New York State* |         |        |        | Cost Account |
|--------------|------|-----------------|---------|--------|--------|--------------|
|              |      | 1957-61         | 1967-71 | 1979   | 1980   | 1980         |
| Hay          | tons | 1.9             | 2.2     | 2.3    | 2.4    | 2.8          |
| Corn silage  | tons | 11              | 14      | 13.0   | 14.5   | 14.6         |
| Corn grain   | bu.  | 57              | 85      | 85     | 93     | 99           |
| Oats         | bu.  | 52              | 60      | 62     | 64     | ---          |
| Wheat        | bu.  | 32              | 39      | 41     | 40     | 50           |
| Milk per cow | lbs. | 7,914           | 10,361  | 11,746 | 12,026 | 15,894       |

\*Source: New York Agricultural Statistics, 1980; Crop Reporting Service, USDA.

FARM COST ACCOUNT SUMMARY, 1980

Crop Enterprises

| Crop              | Number of enterprises | Average acres per enterprise | Yield per acre | Hours of labor per acre* | Return per    |                | Profit per acre | Profit on enterprise |
|-------------------|-----------------------|------------------------------|----------------|--------------------------|---------------|----------------|-----------------|----------------------|
|                   |                       |                              |                |                          | Hour of labor | Dollar of cost |                 |                      |
|                   |                       |                              |                |                          | \$            | \$             | \$              | \$                   |
| <u>Forage:</u>    |                       |                              |                |                          |               |                |                 |                      |
| Hay               | 19                    | 70                           | 2.8 tn         | 7                        | 0.02          | 0.81           | - 38            | -2,632               |
| Hay crop silage   | 16                    | 157                          | 7.2 tn         | 4                        | 5.82          | 1.00           | - 1             | - 152                |
| Corn silage       | 18                    | 122                          | 14.6 tn        | 5                        | 5.86          | 0.99           | - 3             | - 417                |
| <u>Grain:</u>     |                       |                              |                |                          |               |                |                 |                      |
| Corn for grain    | 6                     | 55                           | 100 bu         | 3                        | 23.76         | 1.28           | 72              | 3,907                |
| High moist. corn  | 14                    | 144                          | 3.6 tn         | 4                        | 22.68         | 1.23           | 59              | 8,578                |
| Oats              | ---                   | ---                          | ---            | ---                      | ---           | ---            | ---             | ---                  |
| Wheat             | 11                    | 150                          | 50 bu          | 2                        | 22.46         | 1.21           | 35              | 5,236                |
| <u>Fruit:</u>     |                       |                              |                |                          |               |                |                 |                      |
| Apples            | 13                    | 97                           | 595 bu         | 94                       | 5.52          | 0.91           | -130            | -12,544              |
| Red tart cherries | 8                     | 34                           | 8,171 lb       | 55                       | 17.29         | 1.62           | 659             | 22,267               |

\* To grow and harvest the crop.

ENTERPRISE RATES OF RETURN  
FARM COST ACCOUNT RECORDS, 1977-80

| Enterprise         | Return per hour of labor |       |        |       | Return per dollar of cost |      |      |      |
|--------------------|--------------------------|-------|--------|-------|---------------------------|------|------|------|
|                    | 1977                     | 1978  | 1979   | 1980  | 1977                      | 1978 | 1979 | 1980 |
|                    | \$                       | \$    | \$     | \$    | \$                        | \$   | \$   | \$   |
| <u>Livestock:</u>  |                          |       |        |       |                           |      |      |      |
| Dairy cows         | 5.07                     | 9.01  | 10.77  | 10.64 | 1.03                      | 1.13 | 1.15 | 1.11 |
| Dairy heifers      | -1.43                    | 2.23  | 3.97   | 5.94  | 0.78                      | 0.92 | 0.96 | 0.99 |
| <u>Forage:</u>     |                          |       |        |       |                           |      |      |      |
| Hay                | 5.15                     | 3.31  | 0.90   | 0.02  | 1.05                      | 0.94 | 0.84 | 0.81 |
| Hay crop silage    | 3.19                     | -2.52 | 0.39   | 5.82  | 0.96                      | 0.79 | 0.87 | 1.00 |
| Corn silage        | 6.73                     | 4.46  | 9.05   | 5.86  | 1.07                      | 0.98 | 1.07 | 0.99 |
| <u>Grain:</u>      |                          |       |        |       |                           |      |      |      |
| Corn for grain     | -0.99                    | 0.00  | 5.12   | 23.76 | 0.87                      | 0.92 | 1.00 | 1.28 |
| High moisture corn | 7.10                     | 6.98  | 18.84  | 22.68 | 1.07                      | 1.04 | 1.22 | 1.23 |
| Oats               | -17.76                   | -3.92 | -18.35 | NA    | 0.54                      | 0.77 | 0.63 | NA   |
| Wheat              | -2.13                    | -4.11 | 22.68  | 22.46 | 0.84                      | 0.75 | 1.26 | 1.21 |
| <u>Fruits:</u>     |                          |       |        |       |                           |      |      |      |
| Apples             | 8.72                     | 7.61  | 7.39   | 5.52  | 1.36                      | 1.19 | 1.07 | 0.91 |
| Sweet cherries     | 7.32                     | 7.45  | NA     | NA    | 1.23                      | 1.29 | NA   | NA   |
| Red tart cherries  | 17.71                    | 43.59 | 33.16  | 17.29 | 1.64                      | 3.43 | 2.80 | 1.62 |

Fruit Crops - Western New York

Growing costs begin accumulating with trimming and mousebaiting, etc. after harvest of the previous year's crop. The "Orchard or vineyard overhead" cost is based on the value of the land and improvements and includes depreciation, if any, maintenance, drainage, taxes and interest on the investment.

Harvesting costs include costs for the normal harvest activities as performed on each farm. Cost accumulation ceases when the crop is loaded on a truck for hauling off the farm or when the crop is placed in storage or a processing or marketing facility on the farm.

Storing and selling costs include the cost of hauling the crop to an off farm destination at harvest time. Custom packing and storage costs, if any, are included. Costs related to major CA storage facility and/or processing and marketing activities on the farm are excluded from the fruit enterprise. A wide range of post-harvest costs are included in these fruit enterprises.

Returns represent the amount the grower received for his crop when sold or the value when delivered to a farm marketing, processing or CA storage facility.

Most apple enterprises involve varying quantities marketed as fresh and processing fruit depending on market conditions. Cost and return allocation difficulties preclude any meaningful distinction between fresh and processing fruit.

APPLES  
 COSTS AND RETURNS PER ACRE  
 1,252 ACRES ON 7 COST ACCOUNT FARMS, 1980

| ITEM                                   | AVERAGE PER ACRE |
|--|------------------|
| <b><u>COSTS:</u> GROWING:</b>          |                  |
| LABOR 30 HR - - - - -                  | \$ 190           |
| TRACTOR 7 HR - - - - -                 | 41               |
| TRUCK, EQUIP, CUSTOM WORK, EQ RENT - - | 45               |
| ORCHARD OR VINEYARD OVERHEAD - - - - - | 120              |
| FERTILIZER - - - - -                   | 35               |
| SPRAY, DUST MATERIALS - - - - -        | 133              |
| INTEREST - - - - -                     | 23               |
| ALL OTHER - - - - -                    | 79               |
| TOTAL GROWING COSTS - - - - -          | 666              |
| <b>HARVESTING:</b>                     |                  |
| LABOR 64 HR - - - - -                  | 461              |
| TRACTOR, TRUCK - - - - -               | 49               |
| EQUIPMENT - - - - -                    | 69               |
| CUSTOM WORK, EQUIP RENT - - - - -      | 3                |
| ALL OTHER - - - - -                    | 52               |
| TOTAL HARVESTING COSTS - - - - -       | 634              |
| TOTAL PRODUCTION COSTS - - - - -       | \$ 1,300         |
| <b>STORING AND SELLING:</b>            |                  |
| LABOR 2 HR - - - - -                   | 16               |
| TRACTOR, TRUCK, EQUIP - - - - -        | 34               |
| BUILDING USE - - - - -                 | 2                |
| DIRECT SELLING COSTS * - - - - -       | 25               |
| ALL OTHER - - - - -                    | 24               |
| TOTAL STORING AND SELLING COSTS - -    | 101              |
| TOTAL COSTS - - - - -                  | \$ 1,401         |
| <b><u>RETURNS:</u></b>                 |                  |
| CROP - YIELD: 595 BU - - - - -         | \$ 1,271         |
| OTHER RETURNS - - - - -                | 0                |
| TOTAL RETURNS - - - - -                | \$ 1,271         |
| <b><u>PROFIT:</u></b>                  | <b>\$ 130-</b>   |

|                                       | AVERAGE |
|---------------------------------------|---------|
| <b>OTHER FACTORS: COST PER BU TO:</b> |         |
| GROW                                  | \$ 1.12 |
| HARVEST                               | 1.07    |
| STORE AND SELL                        | 0.17    |
| NET** COST PER BU                     | 2.31    |
| NET** RETURN PER BU                   | 2.09    |
| PROFIT PER BU                         | 0.22-   |
| <b>LABOR RETURN PER ACRE</b>          |         |
|                                       | \$ 536  |
| <b>PRODUCTION PER HOUR OF LABOR</b>   |         |
|                                       | 6 BU    |
| <b>RETURN PER HOUR OF LABOR</b>       |         |
|                                       | \$ 5.52 |
| <b>RETURN PER DOLLAR OF COST</b>      |         |
|                                       | 0.91    |

\* ADVERTISING, CONTAINERS, COMMISSION, CUSTOM PACKING,  
 STORAGE AND TRUCKING, AND EQUIPMENT RENTAL  
 \*\* DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 13 ENTERPRISES OF APPLES  
7 COST ACCOUNT FARMS, 1980  
(ARRANGED BY ACRES OF FRUIT)

| FARM<br>NO | ACRES<br>PER<br>ENTR<br>AC | AVERAGE            |                             | PROD                        | SPRAY<br>COST<br>\$ | AVERAGE                            |                     |                       |
|------------|----------------------------|--------------------|-----------------------------|-----------------------------|---------------------|------------------------------------|---------------------|-----------------------|
|            |                            | PER<br>YIELD<br>BU | PER<br>ACRE<br>LABOR*<br>HR | PER<br>HR OF<br>LABOR<br>PU |                     | PER<br>ACRE<br>PROD<br>COST*<br>\$ | TOTAL<br>COST<br>\$ | TOTAL<br>RETURN<br>\$ |
| 833        | 356.6                      | 537                | 74                          | 7                           | 111                 | 1,124                              | 1,172               | 1,082                 |
| 833        | 164.1                      | 803                | 143                         | 6                           | 219                 | 1,983                              | 2,092               | 1,806                 |
| 802        | 138.1                      | 398                | 84                          | 5                           | 123                 | 1,174                              | 1,215               | 980                   |
| 862        | 125.0                      | 546                | 94                          | 6                           | 63                  | 1,090                              | 1,362               | 1,399                 |
| 832        | 97.0                       | 714                | 112                         | 6                           | 106                 | 1,438                              | 1,502               | 1,253                 |
| 802        | 92.5                       | 596                | 75                          | 8                           | 128                 | 1,242                              | 1,337               | 1,280                 |
| 848        | 72.5                       | 756                | 125                         | 6                           | 157                 | 1,711                              | 1,887               | 1,499                 |
| 833        | 70.3                       | 410                | 97                          | 4                           | 161                 | 1,367                              | 1,436               | 1,150                 |
| 828        | 57.2                       | 628                | 70                          | 9                           | 99                  | 721                                | 834                 | 1,172                 |
| 863        | 42.0                       | 985                | 124                         | 8                           | 270                 | 1,306                              | 1,548               | 1,726                 |
| 802        | 15.7                       | 568                | 70                          | 8                           | 132                 | 1,064                              | 1,162               | 1,192                 |
| 832        | 13.5                       | 74                 | 38                          | 2                           | 74                  | 637                                | 637                 | 222                   |
| 802        | 7.0                        | 432                | 76                          | 6                           | 90                  | 1,034                              | 1,068               | 1,080                 |

ANNUAL AVERAGES - ALL ENTR: WEIGHTED BY ACRES

|      |       |     |    |   |     |       |       |       |
|------|-------|-----|----|---|-----|-------|-------|-------|
| 1980 | 96.7  | 595 | 94 | 6 | 133 | 1,300 | 1,401 | 1,271 |
| 1979 | 110.5 | 540 | 92 | 6 | 101 | 1,192 | 1,296 | 1,393 |
| 1978 | 108.4 | 529 | 88 | 6 | 85  | 969   | 1,062 | 1,262 |
| 1977 | 97.2  | 437 | 75 | 6 | 96  | 815   | 899   | 1,227 |
| 1976 | 69.3  | 459 | 73 | 6 | 95  | 819   | 945   | 1,253 |

\* TO GROW AND HARVEST THE CROP

\*\* DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 13 ENTERPRISES OF APPLES  
7 COST ACCOUNT FARMS, 1980  
(READ ACROSS BOTH PAGES)

| PROFIT | AVERAGE PER ACRE |           | AVERAGE PER BU |        |          | RETURN PER HOUR |            | PROFIT ON ENTERPRISE |  | FARM NO. |
|--------|------------------|-----------|----------------|--------|----------|-----------------|------------|----------------------|--|----------|
|        | LABOR            | HARV COST | NET** COST     | RETURN | OF LABOR | OF COST         | ENTERPRISE |                      |  |          |
| \$     | \$               | \$        | \$             | \$     | \$       | \$              | \$         | \$                   |  |          |
| 89-    | 459              | 0.96      | 2.18           | 2.01   | 6.16     | 0.92            | 32,377-    | 833                  |  |          |
| 285-   | 819              | 1.21      | 2.61           | 2.25   | 5.52     | 0.86            | 47,054-    | 833                  |  |          |
| 234-   | 410              | 1.65      | 3.02           | 2.43   | 4.82     | 0.81            | 32,514-    | 802                  |  |          |
| 37     | 605              | 1.09      | 2.26           | 2.33   | 6.01     | 1.03            | 4,661      | 862                  |  |          |
| 248-   | 363              | 0.91      | 2.06           | 1.71   | 3.23     | 0.83            | 24,119-    | 832                  |  |          |
| 56-    | 533              | 0.90      | 2.17           | 2.08   | 6.88     | 0.96            | 5,257-     | 802                  |  |          |
| 387-   | 621              | 1.34      | 2.44           | 1.93   | 4.82     | 0.79            | 28,125-    | 848                  |  |          |
| 285-   | 413              | 1.27      | 3.50           | 2.81   | 4.16     | 0.80            | 20,057-    | 833                  |  |          |
| 338    | 675              | 0.56      | 1.31           | 1.85   | 9.37     | 1.41            | 19,342     | 828                  |  |          |
| 178    | 783              | 0.64      | 1.56           | 1.74   | 6.00     | 1.11            | 7,451      | 863                  |  |          |
| 30     | 609              | 1.29      | 1.98           | 2.03   | 8.45     | 1.03            | 478        | 802                  |  |          |
| 414-   | 236-             | 0.38      | 8.60           | 3.00   | 6.28-    | 0.35            | 5,597-     | 832                  |  |          |
| 12     | 573              | 1.25      | 2.47           | 2.50   | 7.40     | 1.01            | 87         | 802                  |  |          |

ANNUAL AVERAGES - ALL ENTR: WEIGHTED BY ACRES

|      |     |      |      |      |      |      |         |      |
|------|-----|------|------|------|------|------|---------|------|
| 130- | 536 | 1.07 | 2.31 | 2.09 | 5.52 | 0.91 | 12,544- | 1980 |
| 97   | 698 | 1.16 | 2.33 | 2.51 | 7.39 | 1.07 | 10,679  | 1979 |
| 200  | 688 | 0.96 | 1.94 | 2.32 | 7.61 | 1.19 | 21,553  | 1978 |
| 328  | 700 | 0.92 | 1.98 | 2.73 | 8.72 | 1.36 | 31,662  | 1977 |
| 308  | 682 | 0.84 | 1.95 | 2.63 | 8.63 | 1.33 | 21,274  | 1976 |

Sweet Cherries -

See Fruit Crop Notes on page 8.

SWEET CHERRIES  
COSTS AND RETURNS PER ACRE  
53 ACRES ON 3 COST ACCOUNT FARMS, 1980

| ITEM                                   | AVERAGE PER ACRE |
|--|------------------|
| <b><u>COSTS:</u> GROWING:</b>          |                  |
| LABOR 16 HR - - - - -                  | \$ 103           |
| TRACTOR 10 HR - - - - -                | 89               |
| TRUCK, EQUIP, CUSTOM WORK, EQ RENT - - | 35               |
| ORCHARD OR VINEYARD OVERHEAD - - - - - | 123              |
| FERTILIZER - - - - -                   | 39               |
| SPRAY, DUST MATERIALS - - - - -        | 181              |
| INTEREST - - - - -                     | 24               |
| ALL OTHER - - - - -                    | 142              |
| TOTAL GROWING COSTS - - - - -          | 736              |
| <b>HARVESTING:</b>                     |                  |
| LABOR 106 HR - - - - -                 | 554              |
| TRACTOR, TRUCK - - - - -               | 11               |
| EQUIPMENT - - - - -                    | 85               |
| CUSTOM WORK, EQUIP RENT - - - - -      | 0                |
| ALL OTHER - - - - -                    | 70               |
| TOTAL HARVESTING COSTS - - - - -       | 720              |
| TOTAL PRODUCTION COSTS - - - - -       | \$ 1,456         |
| <b>STORING AND SELLING:</b>            |                  |
| LABOR 8 HR - - - - -                   | 56               |
| TRACTOR, TRUCK, EQUIP - - - - -        | 19               |
| BUILDING USE - - - - -                 | 0                |
| DIRECT SELLING COSTS * - - - - -       | 174              |
| ALL OTHER - - - - -                    | 61               |
| TOTAL STORING AND SELLING COSTS - -    | 310              |
| TOTAL COSTS - - - - -                  | \$ 1,766         |
| <b><u>RETURNS:</u></b>                 |                  |
| CROP - YIELD: 7,576 LB - - - - -       | \$ 1,837         |
| OTHER RETURNS - - - - -                | 0                |
| TOTAL RETURNS - - - - -                | \$ 1,837         |
| <b><u>PROFIT:</u></b> - - - - -        | \$ 71            |
| AVERAGE                                |                  |
| <b>OTHER FACTORS: COST PER LB TO:</b>  |                  |
| GROW                                   | \$ 0.10          |
| HARVEST                                | 0.09             |
| STORE AND SELL                         | 0.04             |
| NET** COST PER LB                      | 0.21             |
| NET** RETURN PER LB                    | 0.22             |
| PROFIT PER LB                          | 0.01             |
| -----                                  |                  |
| LABOR RETURN PER ACRE                  | \$ 785           |
|  |                  |
| PRODUCTION PER HOUR OF LABOR           | 62 LB            |
|  |                  |
| RETURN PER HOUR OF LABOR               | \$ 6.03          |
| RETURN PER DOLLAR OF COST              | 1.04             |
| -----                                  |                  |

\* ADVERTISING, CONTAINERS, COMMISSION, CUSTOM PACKING,  
STORAGE AND TRUCKING, AND EQUIPMENT RENTAL

\*\* DIRECT SELLING COSTS DEDUCTED



FACTORS FROM 5 ENTERPRISES OF SWEET CHERRIES  
3 COST ACCOUNT FARMS, 1980  
(ARRANGED BY ACRES OF FRUIT)

| FARM<br>NO | ACRES<br>PER<br>ENTR<br>AC | AVERAGE            |                             | PROD                        | AVERAGE             |                                    |                     |                       |
|------------|----------------------------|--------------------|-----------------------------|-----------------------------|---------------------|------------------------------------|---------------------|-----------------------|
|            |                            | PER<br>YIELD<br>LB | PER<br>ACRE<br>LABOR*<br>HR | PER<br>HR OF<br>LABOR<br>LB | SPRAY<br>COST<br>\$ | PER<br>ACRE<br>PROD<br>COST*<br>\$ | TOTAL<br>COST<br>\$ | TOTAL<br>RETURN<br>\$ |
| 833        | 20.9                       | 10,202             | 203                         | 50                          | 105                 | 1,939                              | 2,587               | 2,985                 |
| 833        | 19.5                       | 6,381              | 43                          | 150                         | 279                 | 1,174                              | 1,286               | 1,139                 |
| 848        | 5.5                        | 6,218              | 182                         | 34                          | 137                 | 1,430                              | 1,527               | 1,533                 |
| 833        | 4.2                        | 2,461              | 26                          | 97                          | 75                  | 539                                | 568                 | 335                   |
| 802        | 3.2                        | 6,759              | 99                          | 68                          | 296                 | 1,254                              | 1,313               | 1,089                 |

ANNUAL AVERAGES - ALL ENTR; WEIGHTED BY ACRES

|      |      |       |     |              |     |       |       |       |
|------|------|-------|-----|--------------|-----|-------|-------|-------|
| 1980 | 11.1 | 7,576 | 111 | 62           | 181 | 1,456 | 1,766 | 1,837 |
| 1979 | -    | -     | -   | NOT AVERAGED |     |       |       |       |
| 1978 | 17.5 | 4,937 | 95  | 52           | 108 | 912   | 940   | 1,208 |
| 1977 | 14.1 | 2,707 | 34  | 78           | 50  | 479   | 500   | 616   |
| 1976 | 11.6 | 2,512 | 41  | 61           | 88  | 555   | 574   | 339   |

\* TO GROW AND HARVEST THE CROP

\*\* DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 5 ENTERPRISES OF SWEET CHERRIES  
3 COST ACCOUNT FARMS, 1980  
(READ ACROSS BOTH PAGES)

| AVERAGE<br>PER ACRE |        | AVERAGE<br>PER LB |       |      | RETURN PER<br>HOUR \$ |       | PROFIT<br>ON |             |
|---------------------|--------|-------------------|-------|------|-----------------------|-------|--------------|-------------|
| LABOR               | HARV   | CCST              | NET** | COST | RETURN                | LABOR | COST         | ENTER- FARM |
| PROFIT              | RETURN |                   |       |      |                       |       |              | PRISE NO    |
| \$                  | \$     | \$                | \$    | \$   | \$                    | \$    | \$           | \$          |
| 398                 | 1,559  | 0.11              | 0.21  | 0.25 | 7.23                  | 1.15  | 8,315        | 833         |
| 146-                | 179    | 0.06              | 0.20  | 0.18 | 3.63                  | 0.89  | 2,873-       | 833         |
| 6                   | 874    | 0.17              | 0.25  | 0.25 | 4.70                  | 1.00  | 32           | 848         |
| 232-                | 48-    | 0.04              | 0.23  | 0.14 | 1.73-                 | 0.59  | 978-         | 833         |
| 223-                | 369    | 0.05              | 0.19  | 0.16 | 3.63                  | 0.83  | 715-         | 802         |

ANNUAL AVERAGES- ALL ENTRI; WEIGHTED BY ACRES

|              |     |      |      |      |       |      |        |      |
|--------------|-----|------|------|------|-------|------|--------|------|
| 71           | 785 | 0.09 | 0.21 | 0.22 | 6.03  | 1.04 | 756    | 1980 |
| NOT AVERAGED |     |      |      |      |       |      |        |      |
| 268          | 720 | 0.10 | 0.19 | 0.24 | 7.45  | 1.29 | 4,567  | 1978 |
| 116          | 266 | 0.08 | 0.18 | 0.23 | 7.32  | 1.23 | 1,579  | 1977 |
| 235-         | 41- | 0.09 | 0.23 | 0.13 | 0.98- | 0.59 | 2,614- | 1976 |

Red Tart Cherries -

See Fruit Crop notes on page 8.

RED TART CHERRIES  
COSTS AND RETURNS PER ACRE  
270 ACRES ON 5 COST ACCOUNT FARMS, 1980

| ITEM                                   | AVERAGE PER ACRE |
|--|------------------|
| <b><u>COSTS:</u> GROWING:</b>          |                  |
| LABOR 13 HR - - - - -                  | \$ 75            |
| TRACTOR 5 HR - - - - -                 | 26               |
| TRUCK, EQUIP, CUSTOM WORK, EQ RENT - - | 27               |
| ORCHARD OR VINEYARD OVERHEAD - - - - - | 152              |
| FERTILIZER - - - - -                   | 32               |
| SPRAY, DUST MATERIALS - - - - -        | 101              |
| INTEREST - - - - -                     | 15               |
| ALL OTHER - - - - -                    | 66               |
| TOTAL GROWING COSTS - - - - -          | 494              |
| <b>HARVESTING:</b>                     |                  |
| LABOR 42 HR - - - - -                  | 237              |
| TRACTOR, TRUCK - - - - -               | 26               |
| EQUIPMENT - - - - -                    | 106              |
| CUSTOM WORK, EQUIP RENT - - - - -      | 23               |
| ALL OTHER - - - - -                    | 54               |
| TOTAL HARVESTING COSTS - - - - -       | 446              |
| TOTAL PRODUCTION COSTS - - - - -       | \$ 940           |
| <b>STORING AND SELLING:</b>            |                  |
| LABOR 2 HR - - - - -                   | 10               |
| TRACTOR, TRUCK, EQUIP - - - - -        | 16               |
| BUILDING USE - - - - -                 | 0                |
| DIRECT SELLING COSTS * - - - - -       | 14               |
| ALL OTHER - - - - -                    | 83               |
| TOTAL STORING AND SELLING COSTS - -    | 123              |
| TOTAL COSTS - - - - -                  | \$ 1,063         |
| <b><u>RETURNS:</u></b>                 |                  |
| CROP - YIELD: 8,171 LB - - - - -       | \$ 1,722         |
| OTHER RETURNS - - - - -                | 0                |
| TOTAL RETURNS - - - - -                | \$ 1,722         |
| <b><u>PROFIT:</u></b> - - - - -        | \$ 659           |

| AVERAGE                             |          |
|-------------------------------------|----------|
| OTHER FACTORS: COST PER LB TO: GROW | \$ 0.06  |
| HARVEST                             | 0.05     |
| STORE AND SELL                      | 0.02     |
| NET** COST PER LB                   | 0.13     |
| NET** RETURN PER LB                 | 0.21     |
| PROFIT PER LB                       | 0.08     |
| LABOR RETURN PER ACRE               | \$ 982   |
| PRDUCTION PER HOUR OF LABOR         | 148 LB   |
| RETURN PER HOUR OF LABOR            | \$ 17.29 |
| RETURN PER DOLLAR OF COST           | 1.62     |

\* ADVERTISING, CONTAINERS, COMMISSION, CUSTOM PACKING,  
STORAGE AND TRUCKING, AND EQUIPMENT RENTAL  
\*\* DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 8 ENTERPRISES OF RED TART CHERRIES  
5 COST ACCOUNT FARMS, 1980  
(ARRANGED BY ACRES OF FRUIT)

| FARM<br>NO | ACRES<br>PER<br>ENTR<br>AC | AVERAGE            |                      | PROD<br>PER<br>HR OF<br>LABOR<br>LB | SPRAY<br>COST<br>\$ | AVERAGE<br>PER ACRE |                     |                       |
|------------|----------------------------|--------------------|----------------------|-------------------------------------|---------------------|---------------------|---------------------|-----------------------|
|            |                            | PER<br>YIELD<br>LB | ACRE<br>LABOR*<br>HR |                                     |                     | PROD<br>COST*<br>\$ | TOTAL<br>COST<br>\$ | TOTAL<br>RETURN<br>\$ |
| 832        | 68.8                       | 7,965              | 56                   | 143                                 | 111                 | 947                 | 1,036               | 1,849                 |
| 833        | 68.8                       | 9,281              | 69                   | 133                                 | 58                  | 906                 | 1,058               | 1,533                 |
| 802        | 39.0                       | 3,715              | 58                   | 64                                  | 73                  | 1,069               | 1,151               | 1,124                 |
| 833        | 34.3                       | 10,511             | 25                   | 411                                 | 156                 | 964                 | 1,160               | 1,858                 |
| 802        | 32.7                       | 9,163              | 40                   | 230                                 | 130                 | 781                 | 900                 | 2,352                 |
| 802        | 12.1                       | 8,314              | 27                   | 309                                 | 106                 | 508                 | 633                 | 2,165                 |
| 848        | 8.5                        | 9,220              | 177                  | 52                                  | 151                 | 1,963               | 2,094               | 2,012                 |
| 863        | 6.0                        | 6,230              | 7                    | 934                                 | 99                  | 560                 | 610                 | 825                   |

ANNUAL AVERAGES - ALL ENTR; WEIGHTED BY ACRES

|      |      |       |    |     |     |     |       |       |
|------|------|-------|----|-----|-----|-----|-------|-------|
| 1980 | 34.2 | 8,171 | 55 | 148 | 101 | 940 | 1,063 | 1,722 |
| 1979 | 32.0 | 6,396 | 66 | 96  | 83  | 941 | 1,049 | 2,941 |
| 1978 | 32.3 | 5,715 | 47 | 121 | 69  | 684 | 785   | 2,697 |
| 1977 | 23.5 | 3,082 | 24 | 128 | 65  | 483 | 531   | 874   |
| 1976 | 27.4 | 3,768 | 29 | 130 | 44  | 510 | 546   | 1,045 |

\* TO GROW AND HARVEST THE CROP

\*\* DIRECT SELLING COSTS DEDUCTED

FACTORS FROM 8 ENTERPRISES OF RED TART CHERRIES  
5 COST ACCOUNT FARMS, 1980  
(READ ACROSS BOTH PAGES)

| AVERAGE<br>PER ACRE |        | AVERAGE<br>PER LB |               |        | RETURN PER<br>HOUR |            | PROFIT<br>ON    |     | FARM<br>NO. |
|---------------------|--------|-------------------|---------------|--------|--------------------|------------|-----------------|-----|-------------|
| LABOR<br>PROFIT     | RETURN | HARV<br>COST      | NET**<br>COST | RETURN | OF<br>LABOR        | OF<br>COST | ENTER-<br>PRISE |     |             |
| \$                  | \$     | \$                | \$            | \$     | \$                 | \$         | \$              |     |             |
| 813                 | 1,109  | 0.05              | 0.13          | 0.23   | 19.83              | 1.78       | 55,947          | 832 |             |
| 475                 | 852    | 0.05              | 0.11          | 0.16   | 12.09              | 1.45       | 32,661          | 833 |             |
| 26-                 | 413    | 0.15              | 0.31          | 0.30   | 6.90               | 0.98       | 1,033-          | 802 |             |
| 698                 | 877    | 0.03              | 0.11          | 0.17   | 32.32              | 1.60       | 23,949          | 833 |             |
| 1,452               | 1,666  | 0.04              | 0.10          | 0.26   | 38.90              | 2.61       | 47,471          | 802 |             |
| 1,532               | 1,698  | 0.03              | 0.08          | 0.26   | 54.65              | 3.42       | 18,548          | 802 |             |
| 81-                 | 894    | 0.14              | 0.23          | 0.22   | 4.88               | 0.96       | 699-            | 848 |             |
| 215                 | 268    | 0.05              | 0.10          | 0.13   | 33.52              | 1.35       | 1,290           | 863 |             |

ANNUAL AVERAGES - ALL ENTR; WEIGHTED BY ACRES

|       |       |      |      |      |       |      |        |      |
|-------|-------|------|------|------|-------|------|--------|------|
| 659   | 982   | 0.05 | 0.13 | 0.21 | 17.29 | 1.62 | 22,267 | 1980 |
| 1,892 | 2,240 | 0.08 | 0.16 | 0.46 | 33.16 | 2.80 | 59,734 | 1979 |
| 1,912 | 2,136 | 0.06 | 0.14 | 0.47 | 43.59 | 3.43 | 60,880 | 1978 |
| 343   | 449   | 0.06 | 0.17 | 0.28 | 17.71 | 1.64 | 7,878  | 1977 |
| 499   | 641   | 0.06 | 0.14 | 0.28 | 21.18 | 1.91 | 13,462 | 1976 |

FACTORS FROM OTHER FRUIT ENTERPRISES  
COST ACCOUNT FARMS, 1980  
(ARRANGED BY ACRES OF FRUIT)

| FARM<br>NO | ACRES<br>PER<br>ENTR<br>AC | AVERAGE                    |              | PROD<br>PER<br>HR OF<br>LABOR<br>TN | SPRAY<br>COST<br>\$ | AVERAGE                      |               | TOTAL<br>COST<br>\$ | TOTAL<br>RETURN<br>\$ |
|------------|----------------------------|----------------------------|--------------|-------------------------------------|---------------------|------------------------------|---------------|---------------------|-----------------------|
|            |                            | PER<br>ACRE<br>YIELD<br>TN | LABOR*<br>HR |                                     |                     | PER<br>ACRE<br>PROD<br>COST* | TOTAL<br>COST |                     |                       |
| GRAPES     |                            |                            |              |                                     |                     |                              |               |                     |                       |
| 802        | 11.8                       | 4.3                        | 63           | 0.07                                | 0                   | 734                          | 807           | 560                 |                       |
| 863        | 7.5                        | 4.7                        | 46           | 0.10                                | 104                 | 744                          | 744           | 1,275               |                       |
| PEACHES    |                            |                            |              |                                     |                     |                              |               |                     |                       |
| 853        | 34.7                       | 154                        | 129          | 1                                   | 151                 | 1,464                        | 1,750         | 1,780               |                       |
| 802        | 5.6                        | 51                         | 59           | 1                                   | 51                  | 634                          | 644           | 371                 |                       |
| 828        | 4.0                        | 70                         | 56           | 1                                   | 44                  | 514                          | 604           | 584                 |                       |
| PEARS      |                            |                            |              |                                     |                     |                              |               |                     |                       |
| 833        | 30.6                       | 270                        | 109          | 2                                   | 127                 | 1,138                        | 1,162         | 551                 |                       |
| 833        | 10.0                       | 261                        | 81           | 3                                   | 251                 | 1,209                        | 1,255         | 1,091               |                       |
| PRUNES     |                            |                            |              |                                     |                     |                              |               |                     |                       |
| 802        | 7.0                        | 154                        | 26           | 6                                   | 57                  | 565                          | 581           | 614                 |                       |

\* TO GROW AND HARVEST THE CROP

\*\* DIRECT SELLING COSTS DEDUCTED

FACTORS FROM OTHER FRUIT ENTERPRISES  
COST ACCOUNT FARMS, 1980  
(READ ACROSS BOTH PAGES)

| AVERAGE<br>PER ACRE |               | AVERAGE<br>PER IN |               |        | RETURN PER<br>HOUR |            | PROFIT<br>ON    |            |
|---------------------|---------------|-------------------|---------------|--------|--------------------|------------|-----------------|------------|
| LABOR               | PROFIT RETURN | HARV<br>COST      | NET**<br>COST | RETURN | OF<br>LABOR        | OF<br>COST | ENTER-<br>PRISE | FARM<br>NO |
| \$                  | \$            | \$                | \$            | \$     | \$                 | \$         | \$              |            |

## GRAPES

|      |     |    |     |     |       |      |        |     |
|------|-----|----|-----|-----|-------|------|--------|-----|
| 246- | 92  | 10 | 171 | 114 | 1.45  | 0.69 | 2,909- | 802 |
| 531  | 735 | 52 | 159 | 273 | 15.84 | 1.71 | 3,980  | 863 |

## PEACHES

|      |     |      |       |      |       |      |        |     |
|------|-----|------|-------|------|-------|------|--------|-----|
| 30   | 871 | 3.21 | 8.85  | 9.04 | 6.56  | 1.02 | 1,041  | 833 |
| 272- | 9-  | 2.84 | 12.52 | 7.20 | 0.16- | 0.58 | 1,532- | 802 |
| 19-  | 240 | 0.53 | 7.32  | 7.03 | 4.32  | 0.97 | 81-    | 828 |

## PEARS

|      |     |      |      |      |      |      |         |     |
|------|-----|------|------|------|------|------|---------|-----|
| 610- | 41  | 1.49 | 4.31 | 2.04 | 0.37 | 0.47 | 18,687- | 833 |
| 163- | 350 | 1.69 | 4.82 | 4.19 | 4.30 | 0.87 | 1,640-  | 833 |

## PRUNES

|    |     |      |      |      |      |      |     |     |
|----|-----|------|------|------|------|------|-----|-----|
| 33 | 259 | 1.55 | 3.79 | 4.00 | 9.70 | 1.06 | 230 | 802 |
|----|-----|------|------|------|------|------|-----|-----|



FACTORS FROM VEGETABLE CROP ENTERPRISES  
COST ACCOUNT FARMS, 1980  
(ARRANGED BY ACRES OF CROP)

| FARM<br>NO       | ACRES<br>PER<br>ENTR<br>AC | AVERAGE              |                      | PROD<br>PER<br>HR OF<br>LABOR<br>UNIT | GROW<br>COST<br>\$ | AVERAGE<br>PER ACRE |                       |                       |
|------------------|----------------------------|----------------------|----------------------|---------------------------------------|--------------------|---------------------|-----------------------|-----------------------|
|                  |                            | PER<br>YIELD<br>UNIT | ACRE<br>LABOR*<br>HR |                                       |                    | HARV<br>COST<br>\$  | TOTAL<br>COST**<br>\$ | TOTAL<br>RETURN<br>\$ |
| SNAP BEANS- PROC |                            |                      |                      |                                       |                    |                     |                       |                       |
|                  |                            | <u>IN</u>            |                      | <u>IN</u>                             |                    |                     |                       |                       |
| 827              | 2020.0                     | 2.0                  | 5                    | 0.4                                   | 230                | 50                  | 301                   | 344                   |
| 848              | 741.5                      | 2.4                  | 4                    | 0.6                                   | 254                | 57                  | 341                   | 419                   |
| 864              | 592.9                      | 3.2                  | 3                    | 1.0                                   | 244                | 97                  | 390                   | 545                   |
| 863              | 123.0                      | 2.4                  | 7                    | 0.3                                   | 308                | 77                  | 404                   | 436                   |
| TABLE BEETS      |                            |                      |                      |                                       |                    |                     |                       |                       |
|                  |                            | <u>IN</u>            |                      | <u>IN</u>                             |                    |                     |                       |                       |
| 827              | 336.0                      | 16.7                 | 10                   | 1.7                                   | 349                | 166                 | 679                   | 689                   |
| CABBAGE- MKT     |                            |                      |                      |                                       |                    |                     |                       |                       |
|                  |                            | <u>IN</u>            |                      | <u>IN</u>                             |                    |                     |                       |                       |
| 864              | 87.2                       | 18.7                 | 29                   | 0.7                                   | 724                | 42                  | 1,512                 | 1,704                 |
| 827              | 46.0                       | 21.1                 | 73                   | 0.3                                   | 633                | 520                 | 1,803                 | 2,565                 |
| 863              | 40.0                       | 17.1                 | 84                   | 0.2                                   | 1,161              | 293                 | 1,657                 | 1,109                 |
| 828              | 11.9                       | 12.5                 | 66                   | 0.2                                   | 402                | 286                 | 1,048                 | 2,479                 |
| CABBAGE- PROC    |                            |                      |                      |                                       |                    |                     |                       |                       |
|                  |                            | <u>IN</u>            |                      | <u>IN</u>                             |                    |                     |                       |                       |
| 827              | 105.0                      | 24.5                 | 43                   | 0.6                                   | 587                | 163                 | 899                   | 807                   |
| 848              | 18.0                       | 26.9                 | 37                   | 0.7                                   | 623                | 220                 | 955                   | 848                   |
| CARROTS          |                            |                      |                      |                                       |                    |                     |                       |                       |
|                  |                            | <u>IN</u>            |                      | <u>IN</u>                             |                    |                     |                       |                       |
| 827              | 240.0                      | 14.1                 | 16                   | 0.9                                   | 422                | 187                 | 774                   | 939                   |
| CUCUMBERS- MKT   |                            |                      |                      |                                       |                    |                     |                       |                       |
|                  |                            | <u>BU</u>            |                      | <u>BU</u>                             |                    |                     |                       |                       |
| 848              | 22.0                       | 350                  | 83                   | 4                                     | 331                | 563                 | 933                   | 677                   |

\* TO GROW AND HARVEST THE CROP

\*\* INCLUDES STORING AND SELLING COSTS

\*\*\* VALUE OF BY-PRODUCTS, IF ANY, DEDUCTED

(RECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED)

FACTORS FROM VEGETABLE CROP ENTERPRISES  
COST ACCOUNT FARMS, 1980  
(READ ACROSS BOTH PAGES)

| AVERAGE<br>PER ACRE |        | AVERAGE<br>PER UNIT*** |               | RETURN PER          |                  | PROFIT                |            |
|---------------------|--------|------------------------|---------------|---------------------|------------------|-----------------------|------------|
| LABOR               | RETURN | NET<br>COST            | NET<br>RETURN | HOUR<br>OF<br>LABOR | \$<br>OF<br>COST | ON<br>ENTER-<br>PRISE | FARM<br>NO |
| \$                  | \$     | \$                     | \$            | \$                  | \$               | \$                    |            |

## SNAP BEANS - PROC

|     |     | PER IN |     |       |      |        |     |
|-----|-----|--------|-----|-------|------|--------|-----|
| 43  | 83  | 151    | 172 | 16.42 | 1.14 | 86,859 | 827 |
| 78  | 116 | 144    | 177 | 26.25 | 1.23 | 58,158 | 848 |
| 155 | 180 | 124    | 173 | 41.09 | 1.40 | 92,018 | 864 |
| 32  | 88  | 165    | 178 | 11.57 | 1.08 | 3,893  | 863 |

## TABLE BEETS

|    |     | PER IN |    |      |      |       |     |
|----|-----|--------|----|------|------|-------|-----|
| 10 | 127 | 41     | 41 | 8.61 | 1.01 | 3,241 | 827 |

## CABBAGE - MKT

|       |       | PER IN |     |       |      |         |     |
|-------|-------|--------|-----|-------|------|---------|-----|
| 192   | 569   | 81     | 91  | 8.65  | 1.13 | 16,753  | 864 |
| 762   | 1,541 | 86     | 122 | 15.75 | 1.42 | 35,072  | 827 |
| 548-  | 106-  | 97     | 65  | 1.15- | 0.67 | 21,916- | 863 |
| 1,431 | 1,761 | 84     | 198 | 24.94 | 2.36 | 17,021  | 828 |

## CABBAGE - PROC

|      |     | PER IN |    |      |      |        |     |
|------|-----|--------|----|------|------|--------|-----|
| 92-  | 287 | 37     | 33 | 6.02 | 0.90 | 9,706- | 827 |
| 107- | 225 | 36     | 32 | 5.56 | 0.89 | 1,911- | 848 |

## CARROTS

|     |     | PER IN |    |       |      |        |     |
|-----|-----|--------|----|-------|------|--------|-----|
| 165 | 333 | 55     | 67 | 15.79 | 1.21 | 39,632 | 827 |

## CUCUMBERS - MKT

|      |     | PER BU |      |      |      |        |     |
|------|-----|--------|------|------|------|--------|-----|
| 256- | 246 | 2.67   | 1.93 | 2.86 | 0.73 | 5,634- | 848 |

FACTORS FROM VEGETABLE CROP ENTERPRISES  
COST ACCOUNT FARMS, 1980  
(ARRANGED BY ACRES OF CROP)

| FARM<br>NO       | ACRES<br>PER<br>ENTR<br>AC | AVERAGE          |                | PROD                  | AVERAGE             |                     |                         | TOTAL<br>RETURN |
|------------------|----------------------------|------------------|----------------|-----------------------|---------------------|---------------------|-------------------------|-----------------|
|                  |                            | PER<br>YIELD     | ACRE<br>LABOR* | PER<br>HR OF<br>LABOR | PER<br>GROW<br>COST | PER<br>HARV<br>COST | ACRE<br>TOTAL<br>COST** |                 |
|                  |                            | UNIT             | HR             | UNIT                  | \$                  | \$                  | \$                      | \$              |
| PEAS- PROC       |                            |                  |                |                       |                     |                     |                         |                 |
| 827              | 327.0                      | <u>IN</u><br>0.4 | 5              | <u>IN</u><br>0.1      | 226                 | 79                  | 317                     | 210             |
| 836              | 44.3                       | 1.6              | 1              | 1.3                   | 178                 | 154                 | 367                     | 561             |
| POTATOES - MKT   |                            |                  |                |                       |                     |                     |                         |                 |
| 827              | 5.0                        | <u>CW</u><br>246 | 28             | <u>CW</u><br>9        | 815                 | 334                 | 3,018                   | 2,174           |
| POTATOES- PROC   |                            |                  |                |                       |                     |                     |                         |                 |
| 827              | 170.0                      | <u>CW</u><br>294 | 28             | <u>CW</u><br>10       | 814                 | 358                 | 1,477                   | 1,658           |
| SWEET CORN- PROC |                            |                  |                |                       |                     |                     |                         |                 |
| 864              | 346.0                      | <u>IN</u><br>4.1 | 2              | <u>IN</u><br>1.5      | 164                 | 39                  | 262                     | 283             |
| 105              | 70.0                       | 2.7              | 2              | 1.1                   | 185                 | 31                  | 241                     | 188             |
| 836              | 38.0                       | 4.2              | 1              | 3.0                   | 146                 | 32                  | 208                     | 290             |

- \* TO GROW AND HARVEST THE CROP  
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 (RECEIPTS FROM GOVERNMENT PROGRAMS NOT INCLUDED)