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# Potato Facts

## Situation and Outlook Report

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## Potato Facts

### Winter Production Down, Spring Production Up Slightly

The 1997 winter-season potato crop is forecast nearly 4 percent lower than a year ago at 3.2 million hundredweight (cwt). Harvested acreage was the same as a year ago in Florida and increased 16 percent in California. Yields were down from a year ago in both States, with an overall decrease of 9 percent. A January frost in Dade County, Florida killed some acreage and reduced early yields. Despite decreased yields, good quality is expected in both States.

The first estimate of the 1997 spring potato crop was 22.5 million cwt—up slightly from a year earlier. The increase came despite a 5-percent decrease in harvested area—attributed to high stocks of fall potatoes and low overall grower prices. Overall, yields were up nearly 6 percent from last year, with most producing areas realizing gains.

### Fresh and Frozen Stocks At Record Highs

Low prices and strong demand have disappearance at a record high 298 million cwt, 7 percent above the last 2 years. Processor use for the season through March is up 7 percent and was up 5 percent compared with March a year ago. However, despite record disappearance, last fall's record crop has pushed fresh potato stocks on April 1 to a record high 143 million cwt (23 percent above 1996). April 1 stocks represented 32 percent of all fall production, up 2 percent from last year.

Stocks of all frozen potatoes on April 1 were nearly the same as a year ago. French fry stocks were up nearly 2 percent, while stocks of other frozen potato products were down 7 percent. Pacific and Mountain States continue to hold the largest share of U.S. french fry (70 percent of the total) and other frozen (62 percent of the total) inventories. However, East North Central and West North Central States have increased capacity and holdings of fries, accounting for 23 percent of total U.S. inventory on April 1, up from 18 percent a year earlier.

### Prices Down Significantly in 1996/97

The record crop last fall has caused grower prices to be 29 percent below year-earlier levels for the 6-month period of September to February. Grower prices for fresh potatoes during this period averaged 50 percent below a year ago, while contracts with processors have helped prevent a similar plummet for processing potatoes.

Though grower prices for fresh potatoes have dropped dramatically from last season, retail prices have not realized similar declines. While the Producer Price Index (PPI) for fresh potatoes was down 44 percent from year-earlier levels for the period of September through February, the Consumer Price Index (CPI) for fresh potatoes was down only 6 percent. Average retail prices for fresh potatoes during the period were down about 10 percent.

On the processing side, fry contracts made prior to last season have helped sustain prices for processing potatoes. For the September to February period, grower prices for processing

potatoes were down only 7 percent from a year earlier. The PPI for french fry processors is actually averaging slightly above a year ago, and retail prices are also slightly higher. However, with higher inventory and depressed prices for the fresh market this season, contract prices may be lower for the upcoming fall crop.

### Declines in Acreage and Production Likely This Fall

Based on preliminary estimates of current season prices, the Economic Research Service projects planted acreage for 1997 (all seasons) to be 5 percent below last year. If this forecast turns out to be accurate, and trend yields and average acreage abandonment are realized, total production for 1997 would be about 455 million cwt, down nearly 8 percent from 1996. The United States Department of Agriculture's first official estimate of planted acreage for fall potatoes will be released in July and will give us a clearer indication of production, prices, and trade potential in the coming year.

### Potato Trade Surplus Decreases in 1996

Despite a large crop in the fall of 1995, overall U.S. exports of potatoes and potato products (fresh-weight basis) in calendar year 1996 declined from 1995 levels, while imports rose. Slight gains in fresh and frozen potato exports were offset by declines in potato chips and dehydrated products. Higher U.S. grower prices during the 1995/96 season combined with strong output in Canada and improved production in Europe to negatively impact U.S. potato trade flow. Though potato export volume was down nearly 7 percent, higher prices helped minimize the decline in total export value. Potato exports were valued at \$613 million (down 1 percent from 1995), while imports were valued at \$242 million (up 34 percent).

Increases in potato imports can be largely attributed to the entry of fresh and frozen potato products from Canada. Large Canadian raw potato production, combined with increasing processing capacity, has boosted exports to the United States in recent years. In addition, Canadian processors have recently been awarded large contracts to supply U.S. fast-food chains with french fries.

Increasing imports from Canada have again raised trade dispute issues, and have led to a fact-finding investigation by the International Trade Commission (ITC) at the request of the United States Trade Representative (USTR). Some of the factors being examined include Canadian aid for construction of storage, water treatment, and processing facilities, changes in exchange rates, and production costs. A report will be issued on July 15, 1997. Increased imports from Canada have stirred trade-dispute issues in the past (see the November 1996 issue of *Potato Facts* for a brief description of other trade dispute issues). For a closer look at U.S./Canada potato trade since the United States and Canada Free Trade Agreement (USCFTA) and the North American Free Trade Agreement (NAFTA) see the box on the next page.

Though still the most predominant item in potato exports, the upward trend in french fry exports seems to be slowing. French fry export volume was up less than 3 percent in 1996, a marked decline in growth from recent years. Export markets

in North America, Japan (where U.S. fries account for an estimated 75 percent of total supply), and the Pacific Rim continued strong in 1996. However, strengthened production in the Netherlands and other European countries caused dramatic decreases in exports to Europe.

With excellent production in both Canada and Europe in the fall of 1996, competition for export markets for pota-

toes and potato products could be tight well into 1997. However, low prices for U.S. potatoes may help to boost quantity exported, but may cut into profit margins. For the first 2 months of 1997, fresh and seed potato export volume rose 15 percent from a year ago (value declined 18 percent), while frozen exports were up 32 percent (value was up 33 percent).

### Update on U.S./Canada Trade

Prior to USCFTA, U.S. tariffs were .77 cents per kilogram on all fresh and seed potatoes, 17.5 percent on frozen potatoes, and 10 percent on frozen french fries, potato chips, and other prepared potatoes. Before USCFTA, the Canadian tariff on fresh and seed potatoes was \$7.72 per metric ton, and the tariff on frozen french fries and other prepared potatoes was 10 percent. With USCFTA (enacted in 1989), the U.S. and Canadian tariffs on fresh and processed potatoes are being phased out until falling to zero in 1998. USCFTA includes a snapback to Most Favored Nation tariff levels until 2008 to protect producers of commodities hurt by trade. NAFTA had no effect on USCFTA agreements regarding potatoes.

U.S. fresh and seed potato exports to Canada have trended up slightly since the enactment of USCFTA in 1989, with substantial variation ranging from a low of 292 million pounds (in 1991) to a high of 584 million pounds (in 1994). Exports of frozen french fries surged in 1990 to 69 million pounds (product weight), up from 2 million pounds in 1989 and 1 million in 1988. Fry exports, however, fell in 1991, and have averaged 17 million pounds for the 1991-96 period. U.S. exports of potato chips have also benefited from the USCFTA. During the pre-USCFTA period of 1981-88, chip exports to Canada averaged 3 million pounds product weight per year. For the post-USCFTA period of 1989-96, chip exports to Canada averaged nearly 19 million pounds.

U.S. fresh and seed potato imports from Canada have varied substantially since 1989, ranging from a low of 401 million pounds in 1992, to a high of 986 million pounds in 1996. The average

for the 8-year period was 674 million pounds, 65 percent above the average for the 8 years prior to USCFTA (1981-88). Traditionally, a large percent of the imported fresh potatoes from Canada have come from Prince Edward Island (PEI), and have been distributed primarily along the East Coast of the United States. Shippers throughout the United States have noticed stiff competition from PEI in eastern markets in recent years. Increased fresh and seed imports from Canada in recent years are due to several strong Canadian crops, the weak Canadian dollar, poor yields in Maine during several years, and strong overall demand and prices in the United States.

Total french fry imports from Canada have steadily increased since USCFTA. In 1988, fry imports from Canada were 101 million pounds (product weight). In 1989, fry imports fell to 94 million pounds, but then rose steadily to 423 million pounds in 1996. The majority of imports currently come from Eastern Canada, where processors have benefited from the exchange rate, as well as transportation cost advantages over competing firms in the Pacific Northwest in shipping to several East Coast markets. However, Manitoba (a province in mid-western Canada) is also a fast-growing potato and french fry producing/exporting region benefiting from exchange rates and a central location to large U.S. markets. Other potential factors for expanding exports are being examined in the ITC investigation. If it is ultimately concluded that no changes need be made to current trade policies/agreements, french fry imports from Canada will likely continue to increase in 1997.

Figure 1  
**U.S./Canada Fresh and Seed Potato Trade**

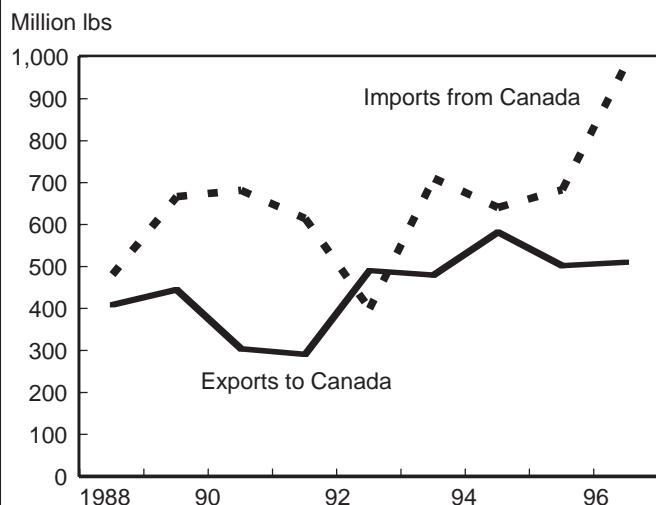
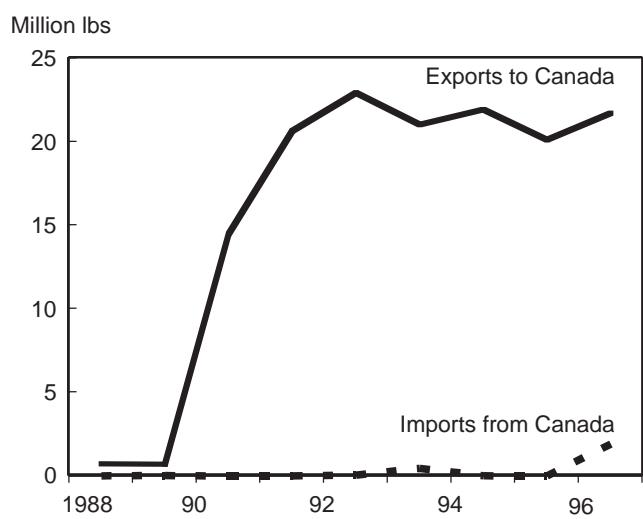


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**U.S./Canada Potato Chip Trade**



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Table 1--Summer and fall potatoes: Area harvested, yield, and production, 1994-96

| Season and State  | Area harvested |         |           | Average yield per acre |      |                 | Production |         |         |
|-------------------|----------------|---------|-----------|------------------------|------|-----------------|------------|---------|---------|
|                   | 1994           | 1995    | 1996      | 1994                   | 1995 | 1996            | 1994       | 1995    | 1996    |
| -- 1,000 acres -- |                |         | -- Cwt -- |                        |      | -- 1,000 cwt -- |            |         |         |
| <b>Summer</b>     |                |         |           |                        |      |                 |            |         |         |
| Alabama           | 7.0            | 6.7     | 6.7       | 170                    | 170  | 150             | 1,190      | 1,139   | 1,005   |
| California        | 5.7            | 5.5     | 5.8       | 370                    | 320  | 360             | 2,109      | 1,760   | 2,088   |
| Colorado          | 9.3            | 9.1     | 9.7       | 330                    | 305  | 330             | 3,069      | 2,776   | 3,201   |
| Delaware          | 4.8            | 5.9     | 5.9       | 170                    | 250  | 250             | 816        | 1,475   | 1,475   |
| Illinois          | 5.0            | 5.5     | 6.0       | 290                    | 270  | 275             | 1,450      | 1,485   | 1,650   |
| Iowa              | 1.6            | 1.6     | 1.5       | 205                    | 150  | 210             | 328        | 240     | 315     |
| Maryland          | 2.5            | 1.5     | 1.9       | 100                    | 240  | 200             | 250        | 360     | 380     |
| Missouri          | 6.8            | 6.9     | 7.1       | 255                    | 230  | 230             | 1,734      | 1,587   | 1,633   |
| Nebraska          | 4.4            | 4.4     | 5.5       | 320                    | 285  | 270             | 1,408      | 1,254   | 1,485   |
| New Jersey        | 2.8            | 2.6     | 2.5       | 210                    | 270  | 265             | 588        | 702     | 663     |
| New Mexico        | 3.4            | 4.2     | 3.9       | 320                    | 320  | 360             | 1,088      | 1,344   | 1,404   |
| North Carolina    | 1.4            | 1.3     | 1.2       | 90                     | 95   | 90              | 126        | 124     | 108     |
| Texas             | 7.5            | 7.0     | 9.5       | 240                    | 235  | 240             | 1,800      | 1,645   | 2,280   |
| Virginia          | 9.5            | 8.5     | 7.5       | 150                    | 240  | 225             | 1,425      | 2,040   | 1,688   |
| Total             | 71.7           | 70.7    | 74.7      | 242                    | 254  | 259             | 17,381     | 17,931  | 19,375  |
| <b>Fall</b>       |                |         |           |                        |      |                 |            |         |         |
| California        | 14.0           | 13.0    | 11.5      | 400                    | 410  | 400             | 5,600      | 5,330   | 4,600   |
| Colorado          | 73.7           | 76.8    | 77.8      | 350                    | 310  | 370             | 25,795     | 23,808  | 28,786  |
| Idaho             | 408.0          | 398.0   | 408.0     | 340                    | 333  | 343             | 138,801    | 132,657 | 139,960 |
| Indiana           | 4.1            | 4.6     | 5.2       | 280                    | 260  | 260             | 1,148      | 1,196   | 1,352   |
| Maine             | 75.0           | 78.0    | 77.0      | 245                    | 220  | 275             | 18,375     | 17,160  | 21,175  |
| Massachusetts     | 3.1            | 3.3     | 2.6       | 240                    | 260  | 260             | 744        | 858     | 676     |
| Michigan 1/       | 52.0           | 54.5    | 46.0      | 270                    | 300  | 300             | 14,040     | 16,350  | 13,800  |
| Minnesota 1/      | 74.6           | 77.0    | 82.0      | 269                    | 270  | 300             | 20,035     | 20,790  | 24,600  |
| Montana           | 10.0           | 9.8     | 10.2      | 320                    | 300  | 315             | 3,200      | 2,940   | 3,213   |
| Nebraska          | 11.1           | 11.5    | 12.4      | 360                    | 320  | 355             | 3,996      | 3,680   | 4,402   |
| Nevada            | 8.0            | 7.6     | 7.9       | 345                    | 365  | 400             | 2,760      | 2,774   | 3,160   |
| New Mexico        | 6.0            | 6.3     | 6.4       | 500                    | 380  | 400             | 3,000      | 2,394   | 2,560   |
| New York          | 28.6           | 28.5    | 28.5      | 273                    | 270  | 280             | 7,805      | 7,695   | 7,980   |
| North Dakota      | 120.0          | 121.0   | 131.0     | 235                    | 210  | 220             | 28,200     | 25,410  | 28,820  |
| Ohio              | 5.5            | 5.4     | 5.1       | 245                    | 260  | 250             | 1,348      | 1,404   | 1,275   |
| Oregon            | 55.8           | 53.2    | 64.0      | 493                    | 466  | 495             | 27,514     | 24,788  | 31,684  |
| Pennsylvania      | 18.0           | 17.0    | 16.5      | 210                    | 240  | 255             | 3,780      | 4,080   | 4,208   |
| Rhode Island      | 1.1            | 0.9     | 0.8       | 225                    | 270  | 265             | 248        | 243     | 212     |
| South Dakota      | 5.5            | 5.2     | 5.7       | 280                    | 190  | 280             | 1,540      | 988     | 1,596   |
| Utah              | 6.0            | 5.1     | 4.2       | 265                    | 240  | 280             | 1,590      | 1,224   | 1,176   |
| Washington        | 152.0          | 147.0   | 161.0     | 585                    | 550  | 590             | 88,920     | 80,850  | 94,990  |
| Wisconsin         | 71.5           | 80.0    | 81.0      | 360                    | 325  | 390             | 25,740     | 26,000  | 31,590  |
| Wyoming           | 1.7            | 1.5     | 0.8       | 280                    | 260  | 280             | 476        | 390     | 224     |
| Total             | 1,205.3        | 1,205.2 | 1,245.6   | 352                    | 334  | 363             | 424,655    | 403,009 | 452,039 |

1/ Includes acres and production formerly listed as summer potatoes.

Source: "Crop Production," National Agricultural Statistics Service, U.S. Department of Agriculture.

Table 2--Winter and spring potatoes: Area harvested, yield, and production, 1995-97

| Season and State  | Area harvested |      |      | Average yield per acre |      |            | Production      |        |            |
|-------------------|----------------|------|------|------------------------|------|------------|-----------------|--------|------------|
|                   | 1995           | 1996 | 1/   | 1995                   | 1996 | 1997<br>1/ | 1995            | 1996   | 1997<br>1/ |
| -- 1,000 acres -- |                |      |      | -- Cwt --              |      |            | -- 1,000 cwt -- |        |            |
| <b>Winter</b>     |                |      |      |                        |      |            |                 |        |            |
| California        | 5.0            | 5.7  | 6.6  | 260                    | 250  | 245        | 1,300           | 1,425  | 1,617      |
| Florida           | 6.9            | 8.8  | 8.8  | 170                    | 210  | 175        | 1,173           | 1,848  | 1,540      |
| Total             | 11.9           | 14.5 | 15.4 | 208                    | 226  | 205        | 2,473           | 3,273  | 3,157      |
| <b>Spring</b>     |                |      |      |                        |      |            |                 |        |            |
| Alabama           | 2.5            | 1.9  | 1.5  | 160                    | 160  | 175        | 400             | 304    | 263        |
| Arizona           | 6.5            | 9.0  | 6.2  | 270                    | 275  | 285        | 1,755           | 2,475  | 1,767      |
| California        | 17.8           | 20.1 | 18.6 | 350                    | 375  | 385        | 6,230           | 7,538  | 7,161      |
| Florida           | 36.0           | 35.5 | 35.3 | 218                    | 219  | 245        | 7,830           | 7,765  | 8,651      |
| North Carolina    | 16.5           | 17.0 | 16.5 | 185                    | 190  | 190        | 3,053           | 3,230  | 3,135      |
| Texas             | 5.0            | 6.5  | 7.4  | 185                    | 170  | 200        | 925             | 1,105  | 1,480      |
| Total             | 84.3           | 90.0 | 85.5 | 240                    | 249  | 263        | 20,193          | 22,417 | 22,457     |

1/ Preliminary.

Source: "Crop Production," National Agricultural Statistics Service, U.S. Department of Agriculture.

Table 3--Fall potatoes: Production, stocks on April 1, and stocks as a percent of production, 15 States, 1995-96 crop years

| State           | Crop of 1995 |                       |                       | Crop of 1996    |                       |                       |
|-----------------|--------------|-----------------------|-----------------------|-----------------|-----------------------|-----------------------|
|                 | Production   | Stocks on Apr 1, 1996 | Percent of production | Production      | Stocks on Apr 1, 1997 | Percent of production |
| -- 1,000 cwt -- |              |                       |                       | -- 1,000 cwt -- |                       |                       |
| California      | 5,330        | 1,700                 | 32                    | 4,600           | 1,700                 | 37                    |
| Colorado        | 23,808       | 9,100                 | 38                    | 28,786          | 12,800                | 44                    |
| Idaho           | 132,657      | 49,500                | 37                    | 139,960         | 52,000                | 37                    |
| Maine           | 17,160       | 5,700                 | 33                    | 21,175          | 8,400                 | 40                    |
| Michigan        | 16,350       | 2,700                 | 17                    | 13,800          | 2,500                 | 18                    |
| Minnesota       | 20,790       | 6,800                 | 33                    | 24,600          | 9,000                 | 37                    |
| Montana         | 2,940        | 1,750                 | 60                    | 3,213           | 1,900                 | 59                    |
| Nebraska 1/     | 3,680        | 705                   | 1/                    | 4,402           | 1,005                 | 1/                    |
| New York        | 7,695        | 400                   | 5                     | 7,980           | 350                   | 4                     |
| North Dakota    | 25,410       | 7,000                 | 28                    | 28,820          | 9,300                 | 32                    |
| Ohio            | 1,404        | 1/                    | 1/                    | 1,275           | 1/                    | 1/                    |
| Oregon          | 24,788       | 7,500                 | 30                    | 31,684          | 14,000                | 44                    |
| Pennsylvania    | 4,080        | 400                   | 10                    | 4,208           | 280                   | 7                     |
| Washington      | 80,850       | 18,000                | 22                    | 94,990          | 23,000                | 24                    |
| Wisconsin       | 26,000       | 5,000                 | 19                    | 31,590          | 7,000                 | 22                    |
| Total 15 States | 392,942      | 116,255               | 30                    | 441,083         | 143,235               | 32                    |

1/ Combined to prevent possible disclosure of individual operations.

Source: "Potato Stocks," National Agricultural Statistics Service, U.S. Department of Agriculture.

Table 4--Fall potatoes: Percent of major varieties planted, 7 major States, 1996 crop 1/

| State        | First           |         | Second          |         | Third           |         | Fourth          |         |
|--------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
|              | Variety         | Percent | Variety         | Percent | Variety         | Percent | Variety         | Percent |
| Idaho        | Russet Burbank  | 79.7    | Shepody         | 10.0    | Russet Norkotah | 3.7     | Ranger Russet   | 2.7     |
| Maine        | Russet Burbank  | 20.3    | Superior        | 14.2    | Shepody         | 11.5    | Frito-Lay       | 10.1    |
| Minnesota    | Russet Burbank  | 33.4    | Norland         | 18.7    | Shepody         | 16.3    | Russet Norkotah | 5.8     |
| North Dakota | Russet Burbank  | 35.9    | Shepody         | 11.7    | Norland         | 11.5    | Norchip         | 9.7     |
| Oregon       | Russet Burbank  | 35.4    | Shepody         | 25.8    | Russet Norkotah | 22.5    | Atlantic        | 5.6     |
| Washington   | Russet Burbank  | 50.3    | Russet Norkotah | 17.8    | Shepody         | 11.3    | Ranger Russet   | 8.7     |
| Wisconsin    | Russet Norkotah | 23.1    | Russet Burbank  | 21.0    | Snowden         | 14.4    | Norland         | 13.0    |

1/ NASS conducts potato objective yield surveys in 7 major fall States, accounting for about 82 percent of U.S. fall production. Producing areas of each State are represented in the sample in proportion to planted acres. The table above is derived from reported data intended to provide current information on varieties but is not designated as an official estimate. Percentages do not add to 100 because only four major varieties grown in each State are given.

Source: "Crop Production," National Agricultural Statistics Service, U.S. Department of Agriculture.

Table 5--Certified seed acreage, 1980-96

| Crop year | Idaho  | Maine  | Minnesota | North Dakota | Wisconsin | All other |    | Total   |
|-----------|--------|--------|-----------|--------------|-----------|-----------|----|---------|
|           |        |        |           |              |           | Acres     | 1/ |         |
| 1980      | 44,233 | 34,580 | 22,300    | 22,559       | 10,760    | 28,963    |    | 163,395 |
| 1981      | 51,081 | 36,380 | 23,545    | 25,393       | 10,512    | 33,021    |    | 179,932 |
| 1982      | 43,857 | 33,843 | 22,869    | 27,266       | 10,742    | 33,529    |    | 172,106 |
| 1983      | 43,365 | 32,899 | 21,846    | 29,184       | 10,937    | 34,273    |    | 172,504 |
| 1984      | 46,782 | 32,031 | 23,735    | 30,346       | 11,343    | 40,031    |    | 184,268 |
| 1985      | 55,069 | 30,763 | 24,025    | 32,982       | 11,115    | 42,135    |    | 196,089 |
| 1986      | 46,342 | 24,864 | 21,740    | 29,050       | 10,061    | 38,858    |    | 170,915 |
| 1987      | 40,423 | 25,539 | 22,577    | 30,769       | 9,706     | 38,517    |    | 167,531 |
| 1988 2/   | 43,587 | 24,329 | 23,163    | 29,265       | 9,774     | 36,931    |    | 167,049 |
| 1989      | 46,141 | 23,285 | 20,839    | 31,203       | 9,803     | 36,121    |    | 167,392 |
| 1990      | 47,738 | 24,618 | 21,871    | 33,713       | 10,128    | 36,633    |    | 174,701 |
| 1991      | 43,315 | 26,212 | 21,146    | 33,421       | 10,831    | 33,401    |    | 168,326 |
| 1992      | 40,314 | 29,035 | 20,690    | 28,747       | 10,825    | 38,401    |    | 168,012 |
| 1993      | 44,425 | 28,279 | 15,610    | 25,696       | 10,459    | 39,004    |    | 163,473 |
| 1994      | 52,908 | 28,481 | 19,804    | 30,111       | 10,517    | 41,444    |    | 183,265 |
| 1995      | 51,989 | 25,153 | 19,727    | 32,099       | 9,624     | 43,601    |    | 182,193 |
| 1996 3/   | 51,730 | 23,900 | 19,376    | 31,581       | 10,700    | 42,579    |    | 179,866 |

1/ Includes California, Colorado, Michigan, Montana, Nebraska, New York, Oregon, Pennsylvania, South Dakota, Utah, Washington, and Wyoming.

2/ Does not include Utah in all other. 3/ Represents seed entered for certification but not yet certified.

Source: "Crop Production," National Agricultural Statistics Service, U.S. Department of Agriculture.

Table 6--Pack of frozen potato products, 1954-95 1/

| Year | French fries 2/ |          |           | Other<br>products<br>4/ | Total     |
|------|-----------------|----------|-----------|-------------------------|-----------|
|      | Foodservice     | Other 3/ | Total     |                         |           |
|      | 1,000 pounds    |          |           |                         |           |
| 1954 | --              | --       | --        | --                      | 85,256    |
| 1955 | --              | --       | 105,546   | 23,344                  | 128,890   |
| 1956 | --              | --       | 160,786   | 28,899                  | 189,685   |
| 1957 | --              | --       | 189,191   | 30,669                  | 219,860   |
| 1958 | --              | --       | 232,912   | 36,550                  | 269,462   |
| 1959 | --              | --       | 322,294   | 48,754                  | 371,048   |
|      | --              | --       |           |                         |           |
| 1960 | --              | --       | 488,205   | 63,187                  | 551,392   |
| 1961 | --              | --       | 465,935   | 113,227                 | 579,162   |
| 1962 | --              | --       | 650,123   | 111,486                 | 761,609   |
| 1963 | --              | --       | 742,784   | 118,753                 | 861,537   |
| 1964 | 779,117         | 212,852  | 991,969   | 125,914                 | 1,117,883 |
| 1965 | 675,330         | 394,795  | 1,070,125 | 148,404                 | 1,218,529 |
| 1966 | 845,862         | 437,531  | 1,283,393 | 176,241                 | 1,459,634 |
| 1967 | 886,299         | 428,682  | 1,314,981 | 175,828                 | 1,490,809 |
| 1968 | 1,025,707       | 496,094  | 1,521,801 | 214,254                 | 1,736,055 |
| 1969 | 1,254,589       | 541,909  | 1,796,498 | 251,910                 | 2,048,408 |
|      |                 |          |           |                         |           |
| 1970 | 1,518,975       | 579,380  | 2,098,355 | 306,034                 | 2,404,389 |
| 1971 | 1,637,643       | 581,285  | 2,218,928 | 346,190                 | 2,565,118 |
| 1972 | 1,709,011       | 531,780  | 2,240,791 | 353,057                 | 2,593,848 |
| 1973 | 1,813,219       | 507,080  | 2,320,299 | 370,774                 | 2,691,073 |
| 1974 | 1,932,581       | 609,086  | 2,541,667 | 443,214                 | 2,984,881 |
| 1975 | 2,048,464       | 584,567  | 2,633,031 | 367,952                 | 3,000,983 |
| 1976 | 2,220,426       | 655,661  | 2,876,087 | 458,964                 | 3,335,051 |
| 1977 | 2,499,633       | 619,809  | 3,119,442 | 503,381                 | 3,622,823 |
| 1978 | 2,676,579       | 588,919  | 3,265,498 | 583,312                 | 3,848,810 |
| 1979 | 2,970,491       | 517,554  | 3,488,045 | 601,687                 | 4,089,732 |
|      |                 |          |           |                         |           |
| 1980 | 2,569,557       | 612,794  | 3,182,351 | 670,805                 | 3,853,156 |
| 1981 | 3,039,757       | 538,183  | 3,577,940 | 658,299                 | 4,236,239 |
| 1982 | 3,124,668       | 537,711  | 3,662,379 | 714,849                 | 4,377,228 |
| 1983 | 3,335,037       | 482,114  | 3,817,151 | 692,754                 | 4,509,905 |
| 1984 | 3,414,023       | 529,410  | 3,943,433 | 789,461                 | 4,732,894 |
| 1985 | 3,907,411       | 476,218  | 4,383,629 | 734,473                 | 5,118,102 |
| 1986 | 3,867,118       | 553,439  | 4,420,557 | 728,591                 | 5,149,148 |
| 1987 | 3,951,099       | 588,696  | 4,539,795 | 747,839                 | 5,287,634 |
| 1988 | 4,260,254       | 632,079  | 4,892,333 | 871,338                 | 5,763,671 |
| 1989 | 4,456,465       | 663,684  | 5,120,149 | 878,163                 | 5,998,312 |
|      |                 |          |           |                         |           |
| 1990 | 4,703,785       | 788,858  | 5,492,643 | 866,325                 | 6,358,968 |
| 1991 | 4,801,205       | 732,049  | 5,533,254 | 965,661                 | 6,498,915 |
| 1992 | 5,123,607       | 662,788  | 5,786,395 | 1,012,047               | 6,798,442 |
| 1993 | 5,546,454       | 690,593  | 6,237,047 | 1,015,727               | 7,252,774 |
| 1994 | 6,048,409       | 733,834  | 6,782,243 | 1,152,606               | 7,934,849 |
| 1995 | 6,539,190       | 664,212  | 7,203,402 | 1,161,507               | 8,364,909 |

-- = Not available. 1/ Data series began in 1953. 2/ French fries broken out beginning in 1955. Foodservice/retail break out for french fries not available until 1964.

Foodservice/retail is available for all frozen potatoes to 1953. 3/ Includes retail and bulk products. 4/ Includes hash browns, puffs, patties, whole, stuffed, diced, home fries, hush puppies, and other miscellaneous potato products.

Source: American Frozen Food Institute.

Table 7--Potatoes, frozen french fried: Warehouse stocks, by month, 1982-97

| Year           | Jan 1 | Feb 1 | Mar 1 | Apr 1 | May 1 | Jun 1 | Jul 1 | Aug 1 | Sep 1 | Oct 1 | Nov 1 | Dec 1 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Million pounds |       |       |       |       |       |       |       |       |       |       |       |       |
| 1982           | 575   | 591   | 660   | 715   | 1/    | 1/    | 779   | 1/    | 1/    | 500   | 1/    | 1/    |
| 1983           | 625   | 662   | 728   | 819   | 807   | 819   | 841   | 666   | 480   | 510   | 635   | 674   |
| 1984           | 629   | 615   | 639   | 680   | 662   | 680   | 672   | 478   | 385   | 487   | 646   | 702   |
| 1985           | 714   | 730   | 769   | 903   | 848   | 903   | 884   | 668   | 581   | 700   | 844   | 862   |
| 1986           | 861   | 761   | 810   | 963   | 928   | 963   | 931   | 801   | 600   | 631   | 750   | 790   |
| 1987           | 729   | 632   | 636   | 774   | 713   | 774   | 820   | 646   | 533   | 625   | 780   | 799   |
| 1988           | 727   | 759   | 830   | 800   | 797   | 800   | 823   | 721   | 681   | 751   | 874   | 879   |
| 1989           | 825   | 760   | 768   | 812   | 795   | 812   | 785   | 586   | 464   | 573   | 700   | 758   |
| 1990           | 738   | 742   | 791   | 804   | 821   | 804   | 728   | 553   | 503   | 647   | 766   | 790   |
| 1991           | 770   | 787   | 782   | 913   | 830   | 913   | 955   | 670   | 624   | 732   | 843   | 820   |
| 1992           | 742   | 756   | 776   | 855   | 818   | 855   | 870   | 728   | 704   | 714   | 822   | 821   |
| 1993           | 742   | 734   | 778   | 733   | 694   | 733   | 732   | 693   | 671   | 783   | 908   | 894   |
| 1994           | 779   | 785   | 800   | 815   | 783   | 815   | 808   | 728   | 774   | 832   | 908   | 895   |
| 1995           | 835   | 885   | 929   | 880   | 889   | 880   | 872   | 767   | 764   | 914   | 992   | 938   |
| 1996           | 904   | 932   | 953   | 942   | 899   | 867   | 840   | 707   | 761   | 921   | 1,031 | 962   |
| 1997 p         | 921   | 920   | 969   | 957   |       |       |       |       |       |       |       |       |

p= Preliminary. 1/ From April 1, 1982 to January 1, 1983 reported on a quarterly basis.

Source: "Cold Storage," National Agricultural Statistics Service, U.S. Department of Agriculture.

Table 8--Potatoes, other frozen: Warehouse stocks, by month, 1982-97

| Year           | Jan 1 | Feb 1 | Mar 1 | Apr 1 | May 1 | Jun 1 | Jul 1 | Aug 1 | Sep 1 | Oct 1 | Nov 1 | Dec 1 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Million pounds |       |       |       |       |       |       |       |       |       |       |       |       |
| 1982           | 114   | 112   | 123   | 131   | 1/    | 1/    | 158   | 1/    | 1/    | 127   | 1/    | 1/    |
| 1983           | 142   | 147   | 153   | 151   | 142   | 168   | 174   | 157   | 124   | 127   | 140   | 143   |
| 1984           | 144   | 140   | 145   | 154   | 146   | 163   | 168   | 149   | 132   | 148   | 175   | 182   |
| 1985           | 178   | 170   | 174   | 181   | 176   | 179   | 174   | 160   | 154   | 191   | 170   | 158   |
| 1986           | 151   | 143   | 140   | 139   | 148   | 164   | 166   | 157   | 133   | 140   | 154   | 151   |
| 1987           | 165   | 155   | 160   | 169   | 174   | 189   | 183   | 170   | 242   | 149   | 168   | 167   |
| 1988           | 155   | 140   | 148   | 149   | 154   | 164   | 178   | 161   | 154   | 167   | 173   | 165   |
| 1989           | 164   | 167   | 177   | 170   | 174   | 174   | 177   | 154   | 148   | 162   | 179   | 180   |
| 1990           | 179   | 191   | 203   | 211   | 238   | 257   | 249   | 210   | 185   | 206   | 230   | 207   |
| 1991           | 206   | 210   | 210   | 213   | 221   | 257   | 259   | 237   | 221   | 254   | 255   | 225   |
| 1992           | 228   | 241   | 261   | 252   | 260   | 282   | 262   | 238   | 244   | 236   | 245   | 218   |
| 1993           | 221   | 237   | 250   | 256   | 218   | 246   | 257   | 240   | 231   | 237   | 277   | 237   |
| 1994           | 227   | 235   | 257   | 263   | 267   | 303   | 292   | 252   | 254   | 277   | 281   | 268   |
| 1995           | 261   | 271   | 251   | 253   | 249   | 246   | 244   | 226   | 228   | 231   | 234   | 237   |
| 1996           | 219   | 215   | 219   | 222   | 213   | 210   | 220   | 200   | 197   | 204   | 194   | 184   |
| 1997 p         | 177   | 191   | 212   | 206   |       |       |       |       |       |       |       |       |

p= Preliminary. 1/ From April 1, 1982 to January 1, 1983 reported on a quarterly basis.

Source: "Cold Storage," National Agricultural Statistics Service, U.S. Department of Agriculture.

Table 9--Domestic shipments of table potatoes, by origin,  
through March 1995/96 and 1996/97 1/

| State          | 1995/96               | 1996/97 | Percent<br>change |
|----------------|-----------------------|---------|-------------------|
|                | 2/<br>-- 1,000 cwt -- | 3/      | Percent           |
| California     | 1,899                 | 1,652   | -13.0             |
| Colorado       | 11,835                | 13,500  | 14.1              |
| Idaho          | 19,600                | 21,653  | 10.5              |
| Maine          | 3,830                 | 3,695   | -3.5              |
| Michigan       | 2,268                 | 1,766   | -22.1             |
| Minnesota      | 1,380                 | 1,611   | 16.7              |
| Nebraska       | 443                   | 279     | -37.0             |
| Nevada         | 501                   | 493     | -1.6              |
| New Mexico     | 833                   | 866     | 4.0               |
| New York       | 276                   | 0       | -100.0            |
| Long Island    | 1,293                 | 1,487   | 15.0              |
| North Dakota   | 3,880                 | 3,113   | -19.8             |
| Oregon         | 2,820                 | 2,901   | 2.9               |
| Washington     | 8,556                 | 9,112   | 6.5               |
| Wisconsin      | 7,939                 | 9,440   | 18.9              |
| Other sections | 12,795                | 13,877  | 8.5               |
| United States  | 80,148                | 85,445  | 6.6               |

1/ Includes exports, excludes imports and "new season" potatoes. 2/ Season through March 23, 1996. 3/ Season through March 22, 1997.

Source: "Weekly Summary--Shipments and Arrivals," Agricultural Marketing Service, U.S. Department of Agriculture.

Table 10--Domestic shipments of chipping potatoes, by origin,  
through March 1995/96 and 1996/97 1/

| State          | 1995/96 | 1996/97 | Percent<br>change |
|----------------|---------|---------|-------------------|
|                | 2/      | 3/      | Percent<br>change |
| Idaho          | 1,017   | 834     | -18.0             |
| Maine          | 1,237   | 1,308   | 5.7               |
| Michigan       | 5,858   | 5,164   | -11.8             |
| Minnesota      | 1,540   | 1,191   | -22.7             |
| Nebraska       | 1,005   | 864     | -14.0             |
| New Mexico     | 703     | 806     | 14.7              |
| New York       | 1,959   | 1,838   | -6.2              |
| North Dakota   | 4,624   | 3,587   | -22.4             |
| Wisconsin      | 2,949   | 2,724   | -7.6              |
| Other sections | 7,896   | 6,732   | -14.7             |
| United States  | 28,788  | 25,048  | -13.0             |

1/ Excludes "new season" potatoes. 2/ Season through March 23, 1996.

3/ Season through March 22, 1997.

Source: "Weekly Summary--Shipments and Arrivals," Agricultural Marketing Service, U.S. Department of Agriculture.

Table 11--Potato prices received by growers: September-February monthly averages, selected States and United States, 1995-97 1/

| State           | September |       | October |       | November |       | December |       | January |       | February |       |
|-----------------|-----------|-------|---------|-------|----------|-------|----------|-------|---------|-------|----------|-------|
|                 | 1995      | 1996  | 1995    | 1996  | 1995     | 1996  | 1995     | 1996  | 1996    | 1997  | 1996     | 1997  |
| Dollars per cwt |           |       |         |       |          |       |          |       |         |       |          |       |
| California      |           |       |         |       |          |       |          |       |         |       |          |       |
| All             | 19.70     | 14.90 | 11.90   | 11.20 | 13.50    | 9.80  | 12.20    | 7.95  | 12.20   | 7.50  | 12.00    | 8.75  |
| Summer          | 19.70     | 14.90 | 17.40   | 15.90 | --       | --    | --       | --    | --      | --    | --       | --    |
| Fall            | --        | --    | 9.75    | 5.55  | 10.00    | 5.05  | 10.20    | 5.00  | 9.60    | 4.75  | 9.65     | 4.80  |
| Winter          | --        | --    | --      | --    | 21.50    | 19.80 | 20.10    | 19.60 | 19.20   | 20.10 | 19.30    | 19.90 |
| Colorado        | 7.40      | 3.45  | 6.15    | 3.05  | 6.60     | 2.25  | 5.60     | 1.65  | 6.25    | 1.60  | 6.60     | 1.70  |
| Idaho           |           |       |         |       |          |       |          |       |         |       |          |       |
| All             | 5.45      | 4.60  | 5.25    | 4.70  | 6.10     | 3.95  | 5.95     | 3.60  | 6.30    | 3.50  | 6.35     | 3.20  |
| Fresh           | 7.00      | 3.90  | 5.60    | 3.70  | 6.50     | 3.00  | 6.50     | 2.80  | 7.00    | 2.30  | 7.40     | 2.00  |
| Processing      | 5.30      | 4.80  | 5.20    | 4.70  | 5.80     | 4.60  | 5.70     | 4.40  | 5.90    | 4.60  | 5.80     | 4.20  |
| Maine           | 5.25      | 4.70  | 5.85    | 4.90  | 6.25     | 4.35  | 6.25     | 4.45  | 6.30    | 4.50  | 6.30     | 4.45  |
| Michigan        | 5.95      | 5.65  | 6.15    | 5.65  | 6.50     | 5.50  | 7.00     | 5.60  | 6.95    | 5.45  | 7.15     | 5.35  |
| Minnesota       | 5.00      | 4.75  | 4.70    | 5.05  | 4.55     | 4.55  | 4.95     | 4.30  | 6.10    | 4.30  | 5.95     | 4.35  |
| New York        | 7.85      | 7.25  | 7.25    | 7.00  | 7.25     | 6.80  | 7.15     | 6.70  | 7.25    | 6.70  | 7.30     | 7.05  |
| North Carolina  | 7.00      | --    | 7.00    | --    | --       | --    | --       | --    | --      | --    | --       | --    |
| North Dakota    | 4.30      | 4.50  | 4.70    | 4.60  | 5.15     | 4.55  | 5.15     | 4.70  | 4.95    | 4.80  | 5.65     | 5.00  |
| Oregon          | 6.15      | 4.85  | 5.45    | 4.80  | 7.30     | 4.45  | 7.00     | 4.05  | 7.20    | 4.35  | 7.85     | 4.50  |
| Texas           | --        | --    | --      | --    | --       | --    | --       | --    | --      | --    | --       | --    |
| Virginia        | 9.00      | 9.00  | --      | --    | --       | --    | --       | --    | --      | --    | --       | --    |
| Washington      | 6.00      | 4.65  | 7.80    | 4.60  | 6.25     | 4.65  | 6.80     | 4.90  | 6.75    | 4.65  | 6.40     | 5.15  |
| Wisconsin       | 4.50      | 5.00  | 6.35    | 4.25  | 6.65     | 4.05  | 6.15     | 4.40  | 6.75    | 4.20  | 6.60     | 4.30  |
| United States   |           |       |         |       |          |       |          |       |         |       |          |       |
| All             | 5.76      | 4.83  | 6.30    | 4.75  | 6.42     | 4.46  | 6.29     | 4.22  | 6.65    | 4.23  | 6.92     | 4.55  |
| Fresh           | 9.31      | 5.41  | 8.00    | 4.85  | 7.94     | 3.99  | 7.46     | 3.58  | 8.06    | 3.23  | 8.60     | 3.80  |
| Processing      | 4.92      | 4.66  | 4.66    | 4.67  | 5.23     | 4.90  | 5.39     | 4.86  | 5.45    | 4.99  | 5.45     | 4.96  |

-- Denotes not available. 1/ Average price of potatoes sold for all uses, including fresh market, processing, seed, and livestock feed. Prices are preliminary.

Source: "Agricultural Prices," National Agricultural Statistics Service, U.S. Department of Agriculture.

Table 12--Selected f.o.b. shipping point prices for fall potatoes, U.S. No. 1 grade or better, September-March 1995/96 and 1996/97 1/

| Variety and<br>shipping point       | 1995/96 |        |       |       |        |        |        | 1996/97 |        |        |       |        |        |        |
|-------------------------------------|---------|--------|-------|-------|--------|--------|--------|---------|--------|--------|-------|--------|--------|--------|
|                                     | Sep 12  | Oct 10 | Nov 7 | Dec 5 | Jan 10 | Feb 20 | Mar 15 | Sep 10  | Oct 10 | Nov 12 | Dec 5 | Jan 10 | Feb 10 | Mar 18 |
| Dollars per unit 2/                 |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| Colorado                            |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| Russet varieties                    | 21.50   | 23.50  | 20.50 | 18.50 | 18.00  | 15.50  | 15.50  | 11.00   | 8.00   | 7.25   | 6.75  | 6.25   | 6.75   | 7.75   |
| Idaho                               |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| Russets                             | 30.00   | 25.00  | 27.00 | 26.00 | 26.00  | 26.50  | 25.50  | 12.00   | 9.25   | 9.75   | 8.25  | 9.00   | 9.00   | 9.75   |
| Maine                               |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| Round white                         | --      | --     | --    | 3.69  | 3.63   | 3.63   | 3.50   | --      | 2.50   | 3.25   | 3.13  | 2.88   | 2.88   | 2.88   |
| New York                            |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| L.I., round white                   | 4.25    | 4.00   | 4.25  | 4.25  | --     | 4.50   | --     | 3.50    | 3.25   | 3.00   | 3.00  | 3.00   | 3.00   | 3.13   |
| West & Cent.,<br>round white        | 4.25    | --     | --    | --    | --     | --     | --     | --      | --     | --     | --    | --     | --     | --     |
| Red River Valley 3/                 |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| Round red                           | --      | 9.50   | --    | 10.00 | 9.75   | --     | 9.75   | --      | 8.25   | 8.00   | 7.50  | --     | 7.25   | 6.50   |
| Washington                          |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| Columbia basin,<br>russet varieties | 21.50   | 21.00  | 22.00 | 20.00 | 20.00  | 20.00  | 19.00  | 10.00   | 8.00   | 7.25   | 7.25  | 6.75   | 6.50   | 7.50   |
| California and Oregon               |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| Klamath basin,<br>russet varieties  | --      | 22.00  | 22.00 | 21.50 | 20.50  | 20.00  | 20.00  | --      | 8.75   | 8.75   | 8.50  | 8.00   | 8.00   | 8.75   |
| Wisconsin                           |         |        |       |       |        |        |        |         |        |        |       |        |        |        |
| Russet varieties                    | --      | 24.50  | --    | 20.00 | 19.00  | --     | 16.50  | 11.00   | 8.00   | 8.00   | 7.00  | 7.00   | 7.25   | 7.75   |

-- Denotes not reported. 1/ For relative comparison only. Years may not be directly comparable due to variety changes etc.

2/ Russet prices per cwt in 50 lb, 80-count cartons.

Prices for round whites are for size A in 50 lb sacks or cartons. 3/ Round red prices are for size A or B per cwt in 50 lb sacks.

Source: Agricultural Marketing Service, U.S. Department of Agriculture.

Table 13--Fresh potatoes: Retail price, marketing spread, and grower-packer return per pound for sales in the United States, 1985-96 1/

| Year           | Retail<br>price | Marketing spreads |                      | Grower-packer return |                      |
|----------------|-----------------|-------------------|----------------------|----------------------|----------------------|
|                |                 | Actual            | Percent of<br>retail | Actual               | Percent of<br>retail |
| -- Cents/lb -- |                 |                   |                      |                      |                      |
| 1985           | 20.76           | 15.12             | 72.83                | 5.64                 | 27.2                 |
| 1986           | 24.05           | 18.60             | 77.34                | 5.45                 | 22.7                 |
| 1987           | 27.63           | 21.17             | 76.62                | 6.46                 | 23.4                 |
| 1988           | 26.07           | 20.21             | 77.52                | 5.86                 | 22.5                 |
| 1989           | 34.17           | 24.16             | 70.71                | 10.01                | 29.3                 |
| 1990           | 37.06           | 26.47             | 71.42                | 10.59                | 28.6                 |
| 1991           | 32.98           | 26.30             | 79.75                | 6.63                 | 20.1                 |
| 1992           | 30.45           | 24.52             | 80.53                | 5.93                 | 19.5                 |
| 1993           | 34.84           | 27.32             | 78.42                | 7.52                 | 21.6                 |
| 1994           | 37.40           | 29.99             | 80.19                | 7.41                 | 19.8                 |
| 1995           | 37.93           | 30.33             | 79.96                | 7.60                 | 20.0                 |
| 1996 p         | 38.10           | 30.38             | 79.74                | 7.72                 | 20.3                 |

p = Preliminary. 1/ Prices are simple averages of calendar year monthly prices.

Source: Bureau of Labor Statistics, U.S. Department of Labor; National Agricultural Statistics Service, and Economic Research Service, U.S. Department of Agriculture.

Table 14--Fresh white potatoes: U.S. monthly retail price, 1980-97

| Year              | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Annual 1/ |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Dollars per pound |       |       |       |       |       |       |       |       |       |       |       |       |           |
| 1980              | 0.147 | 0.144 | 0.146 | 0.146 | 0.149 | 0.180 | 0.242 | 0.246 | 0.231 | 0.220 | 0.220 | 0.222 | 0.191     |
| 1981              | 0.242 | 0.264 | 0.267 | 0.275 | 0.278 | 0.297 | 0.300 | 0.257 | 0.222 | 0.203 | 0.198 | 0.192 | 0.250     |
| 1982              | 0.195 | 0.204 | 0.208 | 0.218 | 0.229 | 0.250 | 0.278 | 0.235 | 0.196 | 0.176 | 0.172 | 0.168 | 0.211     |
| 1983              | 0.161 | 0.167 | 0.168 | 0.182 | 0.209 | 0.228 | 0.233 | 0.250 | 0.241 | 0.216 | 0.209 | 0.212 | 0.206     |
| 1984              | 0.236 | 0.239 | 0.238 | 0.241 | 0.242 | 0.251 | 0.299 | 0.320 | 0.220 | 0.206 | 0.202 | 0.211 | 0.242     |
| 1985              | 0.209 | 0.213 | 0.213 | 0.220 | 0.240 | 0.265 | 0.253 | 0.202 | 0.175 | 0.164 | 0.165 | 0.172 | 0.208     |
| 1986              | 0.181 | 0.182 | 0.207 | 0.215 | 0.225 | 0.256 | 0.288 | 0.291 | 0.266 | 0.256 | 0.257 | 0.262 | 0.241     |
| 1987              | --    | --    | 0.264 | 0.276 | 0.300 | 0.320 | 0.323 | 0.288 | 0.256 | 0.244 | 0.245 | 0.247 | 0.276     |
| 1988              | 0.244 | 0.243 | 0.240 | 0.244 | 0.247 | 0.256 | 0.257 | 0.268 | 0.268 | 0.279 | 0.287 | 0.295 | 0.261     |
| 1989              | 0.294 | 0.312 | 0.335 | 0.360 | 0.368 | 0.374 | 0.392 | 0.391 | 0.341 | 0.313 | 0.307 | 0.313 | 0.342     |
| 1990              | 0.333 | 0.355 | 0.387 | 0.434 | 0.427 | 0.422 | 0.405 | 0.381 | 0.348 | 0.322 | 0.315 | 0.318 | 0.371     |
| 1991              | 0.332 | 0.330 | 0.327 | 0.339 | 0.343 | 0.386 | 0.376 | 0.350 | 0.314 | 0.290 | 0.287 | 0.283 | 0.330     |
| 1992              | 0.286 | 0.285 | 0.280 | 0.285 | 0.292 | 0.294 | 0.328 | 0.352 | 0.330 | 0.313 | 0.301 | 0.308 | 0.305     |
| 1993              | 0.311 | 0.311 | 0.327 | 0.354 | 0.360 | 0.379 | 0.376 | 0.370 | 0.341 | 0.341 | 0.347 | 0.364 | 0.348     |
| 1994              | 0.369 | 0.373 | 0.395 | 0.413 | 0.389 | 0.390 | 0.401 | 0.389 | 0.355 | 0.340 | 0.339 | 0.335 | 0.374     |
| 1995              | 0.339 | 0.337 | 0.348 | 0.359 | 0.357 | 0.396 | 0.439 | 0.425 | 0.399 | 0.396 | 0.377 | 0.380 | 0.379     |
| 1996              | 0.385 | 0.385 | 0.392 | 0.394 | 0.392 | 0.401 | 0.408 | 0.403 | 0.375 | 0.359 | 0.343 | 0.335 | 0.381     |
| 1997              | 0.335 | 0.331 | 0.330 |       |       |       |       |       |       |       |       |       |           |

-- = not available. 1/ Simple average of months.

Source: Bureau of Labor Statistics, U. S. Department of Labor.

Table 15--Frozen french fried potatoes: U.S. monthly retail price, 1980-97

| Year              | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Annual 1/ |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Dollars per pound |       |       |       |       |       |       |       |       |       |       |       |       |           |
| 1980              | 0.503 | 0.501 | 0.531 | 0.497 | 0.509 | 0.529 | 0.541 | 0.554 | 0.553 | 0.557 | 0.573 | 0.574 | 0.535     |
| 1981              | 0.573 | 0.583 | 0.598 | 0.613 | 0.611 | 0.629 | 0.642 | 0.654 | 0.647 | 0.658 | 0.666 | 0.662 | 0.628     |
| 1982              | 0.666 | 0.668 | 0.666 | 0.679 | 0.678 | 0.000 | 0.673 | 0.601 | 0.613 | 0.609 | 0.616 | 0.622 | 0.591     |
| 1983              | 0.611 | 0.618 | 0.617 | 0.626 | 0.631 | 0.626 | 0.624 | 0.624 | 0.620 | 0.609 | 0.624 | 0.623 | 0.621     |
| 1984              | 0.679 | 0.683 | 0.645 | 0.681 | 0.688 | 0.679 | 0.661 | 0.669 | 0.663 | 0.671 | 0.671 | 0.682 | 0.673     |
| 1985              | 0.687 | 0.691 | 0.680 | 0.697 | 0.705 | 0.717 | 0.718 | 0.722 | 0.718 | 0.706 | 0.702 | 0.732 | 0.706     |
| 1986              | 0.712 | 0.718 | 0.659 | 0.677 | 0.683 | 0.663 | 0.665 | 0.715 | 0.714 | 0.707 | 0.715 | 0.718 | 0.696     |
| 1987              | 0.720 | 0.715 | 0.707 | 0.673 | 0.681 | 0.692 | 0.692 | 0.673 | 0.666 | 0.672 | 0.696 | 0.698 | 0.685     |
| 1988              | 0.705 | 0.688 | 0.703 | 0.700 | 0.691 | 0.690 | 0.710 | 0.694 | 0.696 | 0.708 | 0.691 | 0.702 | 0.698     |
| 1989              | 0.716 | 0.713 | 0.713 | 0.735 | 0.727 | 0.729 | 0.767 | 0.776 | 0.773 | 0.780 | 0.790 | 0.796 | 0.751     |
| 1990              | 0.809 | 0.841 | 0.818 | 0.833 | 0.832 | 0.831 | 0.845 | 0.887 | 0.829 | 0.827 | 0.831 | 0.850 | 0.836     |
| 1991              | 0.853 | 0.839 | 0.822 | 0.811 | 0.832 | 0.835 | 0.843 | 0.861 | 0.855 | 0.866 | 0.900 | 0.924 | 0.853     |
| 1992              | 0.930 | 0.924 | 0.853 | 0.841 | 0.853 | 0.853 | 0.858 | 0.869 | 0.858 | 0.857 | 0.873 | 0.857 | 0.869     |
| 1993              | 0.870 | 0.845 | 0.859 | 0.846 | 0.848 | 0.873 | 0.887 | 0.842 | 0.862 | 0.864 | 0.877 | 0.871 | 0.862     |
| 1994              | 0.887 | 0.881 | 0.877 | 0.845 | 0.871 | 0.871 | 0.844 | 0.856 | 0.870 | 0.853 | 0.846 | 0.838 | 0.862     |
| 1995              | 0.847 | 0.839 | 0.854 | 0.841 | 0.863 | 0.879 | 0.869 | 0.876 | 0.864 | 0.852 | 0.886 | 0.864 | 0.861     |
| 1996              | 0.854 | 0.896 | 0.866 | 0.868 | 0.904 | 0.906 | 0.899 | 0.921 | 0.909 | 0.908 | 0.912 | 0.897 | 0.895     |
| 1997              | 0.924 | 0.926 | 0.914 |       |       |       |       |       |       |       |       |       |           |

1/ Simple average of months.

Source: Bureau of Labor Statistics, U. S. Department of Labor.

Table 16--Potato chips: U.S. monthly retail price, 1980-97

| Year              | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Annual 1/ |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Dollars per pound |       |       |       |       |       |       |       |       |       |       |       |       |           |
| 1980              | 1.981 | 1.994 | 2.003 | 2.006 | 2.006 | 2.018 | 2.012 | 2.046 | 2.035 | 2.066 | 2.138 | 2.176 | 2.040     |
| 1981              | 2.203 | 2.195 | 2.229 | 2.277 | 2.271 | 2.295 | 2.256 | 2.293 | 2.301 | 2.324 | 2.375 | 2.338 | 2.280     |
| 1982              | 2.380 | 2.413 | 2.391 | 2.380 | 2.400 | 2.385 | 2.394 | 2.424 | 2.400 | 2.431 | 2.388 | 2.395 | 2.398     |
| 1983              | 2.441 | 2.486 | 2.508 | 2.520 | 2.536 | 2.472 | 2.475 | 2.524 | 2.540 | 2.500 | 2.515 | 2.526 | 2.504     |
| 1984              | 2.492 | 2.564 | 2.516 | 2.520 | 2.558 | 2.561 | 2.577 | 2.600 | 2.613 | 2.628 | 2.592 | 2.580 | 2.567     |
| 1985              | 2.602 | 2.609 | 2.609 | 2.629 | 2.615 | 2.607 | 2.615 | 2.601 | 2.558 | 2.596 | 2.598 | 2.631 | 2.606     |
| 1986              | 2.610 | 2.608 | 2.625 | 2.621 | 2.622 | 2.708 | 2.644 | 2.720 | 2.701 | 2.752 | 2.742 | 2.749 | 2.675     |
| 1987              | 2.754 | 2.786 | 2.808 | 2.804 | 2.776 | 2.801 | 2.785 | 2.717 | 2.701 | 2.674 | 2.734 | 2.674 | 2.747     |
| 1988              | 2.631 | 2.597 | 2.604 | 2.580 | 2.598 | 2.572 | 2.616 | 2.617 | 2.636 | 2.620 | 2.662 | 2.699 | 2.619     |
| 1989              | 2.711 | 2.876 | 2.906 | 2.950 | 2.940 | 2.883 | 2.842 | 2.855 | 2.824 | 2.824 | 2.862 | 2.853 | 2.861     |
| 1990              | 2.866 | 2.947 | 2.962 | 2.984 | 2.940 | 2.951 | 2.945 | 2.949 | 2.980 | 3.032 | 2.971 | 2.971 | 2.958     |
| 1991              | 2.990 | 2.982 | 2.954 | 2.960 | 2.937 | 3.062 | 2.929 | 2.939 | 3.021 | 2.930 | 2.954 | 2.956 | 2.968     |
| 1992              | 2.942 | 2.914 | 2.943 | 2.857 | 2.871 | 2.906 | 2.940 | 2.974 | 2.856 | 2.937 | 2.836 | 2.840 | 2.901     |
| 1993              | 2.832 | 2.935 | 2.839 | 2.836 | 2.898 | 2.827 | 2.893 | 2.966 | 2.895 | 2.911 | 2.843 | 2.918 | 2.883     |
| 1994              | 2.872 | 3.018 | 2.970 | 3.012 | 2.999 | 2.968 | 2.902 | 2.992 | 2.965 | 2.924 | 3.020 | 3.012 | 2.971     |
| 1995              | 3.079 | 3.014 | 2.975 | 3.048 | 2.952 | 2.987 | 2.971 | 3.035 | 2.970 | 3.020 | 2.979 | 3.026 | 3.005     |
| 1996              | 3.004 | 2.960 | 3.035 | 3.075 | 2.989 | 2.981 | 3.106 | 3.086 | 3.069 | 3.155 | 3.102 | 3.118 | 3.057     |
| 1997              | 3.125 | 3.099 | 3.145 |       |       |       |       |       |       |       |       |       |           |

1/ Simple average of months.

Source: Bureau of Labor Statistics, U. S. Department of Labor.

Table 17--Fresh potatoes: U.S. monthly Consumer Price Index, 1980-97

| Year          | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Annual |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| (1982-84=100) |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 1980          | 63.8  | 63.6  | 63.6  | 63.1  | 65.7  | 77.1  | 97.1  | 102.3 | 98.0  | 92.5  | 91.7  | 93.1  | 81.0   |
| 1981          | 102.0 | 109.6 | 113.9 | 118.3 | 120.3 | 129.6 | 129.8 | 117.4 | 103.0 | 90.9  | 89.6  | 89.7  | 109.5  |
| 1982          | 90.4  | 93.0  | 94.2  | 95.8  | 100.2 | 107.9 | 116.0 | 102.7 | 85.2  | 76.3  | 75.3  | 75.5  | 92.7   |
| 1983          | 73.9  | 75.3  | 75.4  | 80.9  | 88.3  | 95.3  | 100.3 | 107.1 | 105.2 | 99.1  | 95.4  | 99.4  | 91.3   |
| 1984          | 107.1 | 112.5 | 113.7 | 114.9 | 116.4 | 122.5 | 142.5 | 149.6 | 110.8 | 101.5 | 98.0  | 102.4 | 116.0  |
| 1985          | 103.7 | 105.0 | 105.8 | 107.3 | 115.6 | 125.0 | 120.4 | 103.8 | 88.6  | 81.3  | 80.6  | 81.4  | 101.5  |
| 1986          | 83.8  | 82.2  | 81.9  | 83.7  | 87.5  | 99.3  | 111.4 | 112.0 | 104.9 | 101.2 | 101.9 | 103.9 | 96.1   |
| 1987          | 106.4 | 111.7 | 111.2 | 116.2 | 127.1 | 136.4 | 139.1 | 127.6 | 110.5 | 101.9 | 100.6 | 103.8 | 116.0  |
| 1988          | 104.6 | 106.2 | 108.5 | 111.2 | 114.7 | 122.2 | 125.7 | 132.0 | 124.8 | 125.2 | 126.0 | 128.5 | 119.1  |
| 1989          | 130.8 | 138.3 | 146.6 | 158.9 | 164.0 | 172.5 | 180.7 | 182.3 | 153.1 | 139.8 | 135.0 | 140.0 | 153.5  |
| 1990          | 150.1 | 160.1 | 170.6 | 187.3 | 187.4 | 185.8 | 179.7 | 169.8 | 152.0 | 139.9 | 134.5 | 133.9 | 162.6  |
| 1991          | 139.6 | 140.9 | 139.6 | 144.4 | 149.1 | 165.8 | 164.3 | 156.2 | 143.7 | 132.1 | 129.9 | 129.9 | 144.6  |
| 1992          | 130.9 | 131.7 | 132.1 | 135.6 | 136.7 | 141.0 | 155.9 | 164.7 | 153.1 | 143.0 | 136.1 | 137.2 | 141.5  |
| 1993          | 139.7 | 138.9 | 142.4 | 152.0 | 156.0 | 163.4 | 165.2 | 165.8 | 156.1 | 152.1 | 158.3 | 165.0 | 154.6  |
| 1994          | 169.4 | 171.3 | 179.8 | 186.3 | 179.9 | 185.7 | 194.1 | 190.4 | 168.8 | 157.3 | 154.2 | 154.2 | 174.3  |
| 1995          | 157.1 | 157.2 | 161.8 | 164.6 | 165.3 | 183.1 | 200.8 | 195.5 | 182.8 | 179.7 | 172.6 | 175.3 | 174.7  |
| 1996          | 179.1 | 179.0 | 183.8 | 181.9 | 185.5 | 189.8 | 195.5 | 196.6 | 180.9 | 172.5 | 162.0 | 160.2 | 180.6  |
| 1997          | 164.2 | 162.8 | 161.2 |       |       |       |       |       |       |       |       |       |        |

Source: Bureau of Labor Statistics, U.S. Department of Labor.

Table 18--Fresh white potatoes: U.S. monthly Producer Price Index, 1980-97 1/

| Year       | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Annual 2/ |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| (1982=100) |       |       |       |       |       |       |       |       |       |       |       |       |           |
| 1980       | 83.7  | 89.0  | 86.4  | 82.0  | 81.5  | 74.2  | 124.5 | 112.3 | 125.9 | 127.7 | 127.1 | 125.9 | 103.4     |
| 1981       | 137.0 | 145.7 | 158.8 | 169.4 | 138.7 | 145.2 | 132.6 | 116.6 | 108.3 | 104.4 | 108.1 | 107.6 | 131.0     |
| 1982       | 104.8 | 108.3 | 103.6 | 107.1 | 114.0 | 120.5 | 107.8 | 95.9  | 74.6  | 80.2  | 95.2  | 88.0  | 100.0     |
| 1983       | 85.0  | 87.7  | 89.2  | 99.7  | 116.2 | 109.5 | 110.3 | 117.2 | 118.1 | 107.1 | 115.3 | 122.2 | 106.5     |
| 1984       | 136.1 | 135.8 | 140.4 | 131.4 | 114.9 | 120.9 | 168.0 | 158.6 | 121.8 | 114.9 | 120.7 | 125.2 | 132.4     |
| 1985       | 117.6 | 116.6 | 113.5 | 122.7 | 120.4 | 132.4 | 101.2 | 74.0  | 69.3  | 79.1  | 80.5  | 88.1  | 101.3     |
| 1986       | 87.6  | 89.1  | 81.2  | 84.3  | 86.4  | 111.7 | 117.4 | 122.2 | 110.1 | 117.6 | 124.5 | 116.7 | 104.1     |
| 1987       | 119.7 | 118.4 | 120.5 | 121.9 | 137.5 | 132.3 | 132.8 | 122.2 | 110.6 | 106.8 | 108.1 | 110.9 | 120.4     |
| 1988       | 107.5 | 100.2 | 111.6 | 97.6  | 124.2 | 89.9  | 104.2 | 108.8 | 123.2 | 134.6 | 140.5 | 148.1 | 115.9     |
| 1989       | 148.1 | 178.3 | 162.0 | 152.7 | 150.8 | 161.8 | 157.8 | 144.3 | 140.2 | 140.2 | 146.7 | 160.2 | 153.6     |
| 1990       | 162.0 | 161.2 | 196.3 | 199.0 | 174.7 | 151.2 | 134.4 | 161.9 | 155.4 | 131.0 | 129.4 | 135.5 | 157.7     |
| 1991       | 134.0 | 137.5 | 134.8 | 158.4 | 138.1 | 146.7 | 137.6 | 123.7 | 110.6 | 97.0  | 93.2  | 96.4  | 125.7     |
| 1992       | 94.8  | 92.8  | 95.8  | 112.5 | 104.7 | 108.6 | 195.0 | 171.8 | 116.1 | 107.3 | 112.9 | 108.3 | 118.4     |
| 1993       | 120.2 | 119.1 | 131.3 | 144.0 | 142.3 | 147.5 | 137.3 | 143.7 | 134.0 | 143.7 | 197.7 | 178.8 | 145.0     |
| 1994       | 170.5 | 165.6 | 180.3 | 167.6 | 147.8 | 150.8 | 147.6 | 154.0 | 107.5 | 106.9 | 104.6 | 101.0 | 142.0     |
| 1995       | 101.3 | 103.0 | 114.6 | 110.1 | 106.8 | 176.9 | 205.5 | 160.0 | 172.9 | 152.9 | 151.9 | 151.9 | 142.3     |
| 1996 p     | 151.3 | 152.6 | 148.1 | 156.9 | 160.9 | 170.1 | 153.1 | 153.1 | 111.7 | 89.8  | 82.4  | 77.7  | 134.0     |
| 1997 p     | 81.0  | 79.2  | 80.3  |       |       |       |       |       |       |       |       |       |           |

p = preliminary. 1/ Data not available prior to 1980. 2/ Simple average of months.

Source: Bureau of Labor Statistics, U. S. Department of Labor.

Table 19--Frozen french fried potatoes: U.S. monthly Producer Price Index, 1980-97

| Year       | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Annual |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| (1982=100) |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 1980       | 76.0  | 76.1  | 75.8  | 77.1  | 77.4  | 79.3  | 80.2  | 80.8  | 82.0  | 82.0  | 78.7  | 81.5  | 78.9   |
| 1981       | 81.7  | 79.2  | 83.5  | 88.5  | 88.7  | 92.0  | 94.4  | 94.7  | 96.5  | 98.3  | 98.7  | 98.9  | 91.3   |
| 1982       | 99.1  | 98.6  | 99.0  | 98.4  | 99.0  | 98.6  | 98.4  | 101.1 | 101.4 | 102.4 | 102.0 | 102.1 | 100.0  |
| 1983       | 103.3 | 102.5 | 102.1 | 102.5 | 101.1 | 101.3 | 101.2 | 101.2 | 100.5 | 100.7 | 102.9 | 102.0 | 101.8  |
| 1984       | 103.1 | 102.5 | 108.3 | 107.4 | 107.2 | 109.8 | 110.2 | 110.3 | 109.9 | 110.1 | 110.1 | 110.0 | 108.2  |
| 1985       | 110.8 | 111.6 | 111.9 | 112.9 | 113.0 | 113.1 | 113.4 | 113.2 | 113.8 | 114.3 | 113.8 | 113.9 | 113.0  |
| 1986       | 114.0 | 114.0 | 114.1 | 113.4 | 113.5 | 113.5 | 112.8 | 113.3 | 112.8 | 112.8 | 113.9 | 113.5 | 113.5  |
| 1987       | 115.3 | 116.3 | 115.5 | 115.9 | 115.4 | 115.5 | 115.2 | 114.8 | 116.2 | 114.5 | 113.7 | 113.8 | 115.2  |
| 1988       | 114.4 | 113.6 | 113.6 | 114.1 | 113.3 | 113.4 | 114.0 | 115.6 | 115.7 | 117.0 | 116.7 | 117.2 | 114.9  |
| 1989       | 117.2 | 118.5 | 118.5 | 119.7 | 118.7 | 119.7 | 119.6 | 120.1 | 119.5 | 119.5 | 121.3 | 120.9 | 119.4  |
| 1990       | 121.5 | 122.2 | 122.6 | 124.3 | 126.5 | 126.6 | 126.6 | 127.1 | 126.9 | 127.5 | 126.9 | 127.0 | 125.5  |
| 1991       | 127.9 | 128.2 | 127.9 | 127.7 | 127.8 | 128.2 | 128.4 | 127.8 | 128.0 | 127.3 | 127.3 | 127.1 | 127.8  |
| 1992       | 126.6 | 125.3 | 125.3 | 125.7 | 125.6 | 123.5 | 124.1 | 123.9 | 126.6 | 126.4 | 129.2 | 131.0 | 126.1  |
| 1993       | 130.7 | 130.8 | 131.1 | 132.8 | 134.2 | 136.0 | 135.4 | 135.9 | 136.5 | 137.1 | 137.5 | 138.6 | 134.7  |
| 1994       | 140.1 | 140.2 | 141.6 | 140.2 | 141.3 | 141.2 | 139.7 | 140.1 | 138.6 | 138.4 | 138.2 | 138.8 | 139.9  |
| 1995       | 139.0 | 138.2 | 138.2 | 137.4 | 136.0 | 134.2 | 133.4 | 133.5 | 136.4 | 137.7 | 135.2 | 136.0 | 136.3  |
| 1996 p     | 138.3 | 137.7 | 137.3 | 137.6 | 137.7 | 137.8 | 138.1 | 138.5 | 138.2 | 138.3 | 137.7 | 138.0 | 137.9  |
| 1997 p     | 137.5 | 137.3 | 137.0 |       |       |       |       |       |       |       |       |       |        |

p = Preliminary.

Source: Bureau of Labor Statistics, U.S. Department of Labor.

Table 20--Potatoes: Selected U.S. exports by type, 1980-96 1/

| Year         | Fresh<br>2/ | Frozen  |         |        | Flakes<br>and<br>granules | Chips<br>3/ | Dried<br>4/ |
|--------------|-------------|---------|---------|--------|---------------------------|-------------|-------------|
|              |             | Total   | Fries   | Other  |                           |             |             |
| 1,000 pounds |             |         |         |        |                           |             |             |
| 1980         | 274,631     | 84,544  | 73,328  | 11,216 | 102,337                   | 13,232      | 10,175      |
| 1981         | 398,578     | 102,435 | 86,711  | 15,723 | 58,816                    | 11,474      | 7,924       |
| 1982         | 305,156     | 109,719 | 95,302  | 14,417 | 65,634                    | 13,342      | 8,855       |
| 1983         | 283,237     | 121,352 | 106,051 | 15,302 | 52,219                    | 9,138       | 8,433       |
| 1984         | 360,325     | 140,435 | 123,134 | 17,300 | 42,372                    | 8,599       | 7,984       |
| 1985         | 329,885     | 145,828 | 127,697 | 18,131 | 30,739                    | 7,836       | 9,207       |
| 1986         | 340,607     | 195,066 | 171,756 | 23,310 | 42,624                    | 8,802       | 8,978       |
| 1987         | 363,214     | 246,004 | 212,982 | 33,022 | 48,778                    | 12,408      | 11,068      |
| 1988         | 421,985     | 309,109 | 265,636 | 43,473 | 58,829                    | 16,582      | 12,519      |
| 1989         | 467,836     | 363,318 | 319,770 | 43,548 | 46,067                    | 20,658      | 5,838       |
| 1990         | 327,333     | 421,597 | 385,884 | 35,712 | 41,192                    | 44,222      | 6,389       |
| 1991         | 341,682     | 409,779 | 377,808 | 31,971 | 63,800                    | 54,568      | 10,737      |
| 1992         | 537,939     | 463,825 | 429,166 | 34,659 | 72,138                    | 84,369      | 13,505      |
| 1993         | 539,345     | 527,749 | 482,543 | 45,206 | 57,945                    | 110,252     | 14,482      |
| 1994         | 655,026     | 638,062 | 596,025 | 42,037 | 81,368                    | 155,107     | 8,581       |
| 1995         | 583,938     | 834,179 | 778,566 | 55,613 | 117,869                   | 135,759     | 14,416      |
| 1996         | 610,053     | 857,558 | 800,474 | 57,084 | 85,581                    | 128,758     | 13,505      |

1/ Exports of processed potatoes are in product weight as reported by the Bureau of the Census. 2/ Includes fresh seed. Data for 1979 to 1989 incorporate data on Canadian imports of U.S. potatoes. 3/ Includes chips manufactured from dehydrated potatoes. 4/ Excludes flour and starch.

Source: Bureau of the Census, U.S. Department of Commerce and Foreign Agricultural Service, U.S. Department of Agriculture.

Table 21--Potatoes: Selected U.S. imports by type, 1980-96 1/

| Year         | Fresh   | Seed    | Frozen  | Flakes<br>and<br>granules |       | Dried | Flour   | Starch |
|--------------|---------|---------|---------|---------------------------|-------|-------|---------|--------|
|              |         |         |         |                           |       |       |         |        |
| 1,000 pounds |         |         |         |                           |       |       |         |        |
| 1980         | 140,675 | 77,691  | 10,915  | 179                       | 151   | 623   | 15,917  |        |
| 1981         | 246,984 | 145,369 | 14,989  | 136                       | 2,374 | 602   | 41,410  |        |
| 1982         | 348,374 | 130,026 | 22,164  | 44                        | 1,515 | 700   | 26,789  |        |
| 1983         | 279,557 | 69,529  | 26,557  | 135                       | 417   | 775   | 21,795  |        |
| 1984         | 253,579 | 71,570  | 49,732  | 364                       | 3,172 | 1,007 | 30,084  |        |
| 1985         | 300,469 | 105,403 | 69,081  | 2,826                     | 2,571 | 1,142 | 61,081  |        |
| 1986         | 280,813 | 63,645  | 73,527  | 1,194                     | 4,226 | 1,305 | 47,422  |        |
| 1987         | 402,791 | 96,995  | 93,901  | 452                       | 3,702 | 1,545 | 60,742  |        |
| 1988         | 388,394 | 95,029  | 101,907 | 201                       | 5,022 | 571   | 77,638  |        |
| 1989         | 509,347 | 160,932 | 104,206 | 1,624                     | 2,758 | 693   | 97,406  |        |
| 1990         | 482,903 | 201,044 | 138,196 | 880                       | 1,082 | 808   | 126,354 |        |
| 1991         | 437,349 | 178,907 | 170,542 | 2,058                     | 427   | 833   | 92,949  |        |
| 1992         | 273,515 | 128,071 | 195,657 | 1,161                     | 277   | 564   | 95,598  |        |
| 1993         | 541,383 | 171,200 | 290,503 | 1,679                     | 217   | 761   | 125,765 |        |
| 1994         | 405,899 | 236,911 | 309,675 | 1,820                     | 288   | 537   | 100,436 |        |
| 1995         | 458,926 | 225,942 | 355,063 | 3,947                     | 266   | 473   | 103,221 |        |
| 1996         | 690,768 | 295,698 | 454,283 | 3,064                     | 297   | 476   | 89,816  |        |

1/ Imports of processed potatoes are in product weight as reported by the Bureau of the Census.

Source: Bureau of the Census, U.S. Department of Commerce.

Table 22--Potatoes: U.S. exports to selected destinations, 1996

| Destination                            | Fresh 1/ | Frozen    |          |           | Dehydrated |              |        |        | Total     |
|--|----------|-----------|----------|-----------|------------|--------------|--------|--------|-----------|
|  |          | Fries     | Other 2/ | Total     | Chips      | and dried 3/ | Canned | Starch |           |
| 1,000 pound fresh weight equivalent 4/ |          |           |          |           |            |              |        |        |           |
| North America                          | 570,130  | 109,678   | 29,366   | 139,044   | 96,399     | 42,889       | 28,810 | 35,117 | 912,388   |
| Canada                                 | 511,889  | 57,641    | 1,805    | 59,446    | 65,198     | 23,253       | 26,555 | 12,544 | 698,885   |
| Mexico                                 | 58,241   | 52,037    | 27,561   | 79,598    | 31,201     | 19,636       | 2,254  | 22,573 | 213,503   |
| Hong Kong                              | 5,018    | 105,773   | 4,476    | 110,248   | 12,118     | 2,562        | 750    | -      | 130,696   |
| Japan                                  | 25       | 837,323   | 48,348   | 885,671   | 96,877     | 295,333      | 892    | 1,363  | 1,280,161 |
| South Korea                            | 292      | 114,846   | 2,548    | 117,394   | 15,040     | 6,739        | 1,919  | 53     | 141,438   |
| Taiwan                                 | 177      | 77,126    | 2,610    | 79,736    | 15,672     | 20,186       | 719    | -      | 116,489   |
| Southeast Asia 5/                      | 10,330   | 223,559   | 1,529    | 225,088   | 30,725     | 77,110       | 3,900  | 2,630  | 349,783   |
| Malaysia                               | 398      | 53,257    | 738      | 53,994    | 6,326      | -            | 182    | -      | 60,901    |
| Philippines                            | 327      | 63,274    | 296      | 63,570    | 15,093     | 45,375       | 1,797  | 691    | 126,852   |
| Singapore                              | 5,624    | 42,947    | 495      | 43,442    | 7,219      | 15,024       | 1,618  | 413    | 73,340    |
| EU-15                                  | 1,891    | 22,484    | 5,186    | 27,670    | 80,237     | 94,588       | 6,760  | 182    | 211,329   |
| Netherlands                            | 366      | 2,329     | 2,231    | 4,560     | 28         | 224          | 102    | -      | 5,281     |
| United Kingdom                         | 926      | 6,510     | 2,682    | 9,192     | 518        | 14,141       | 4,730  | 182    | 29,689    |
| All others                             | 22,190   | 110,159   | 20,105   | 130,263   | 39,205     | 88,226       | 6,993  | 6,013  | 292,892   |
| Total                                  | 610,053  | 1,600,947 | 114,168  | 1,715,115 | 386,273    | 627,633      | 50,742 | 45,360 | 3,435,176 |

1/ Includes seed and tablestock. 2/ Includes whole and other frozen. 3/ Includes flakes, granules, flour, and dried. 4/ Converted to farm weight equivalents using 1 pound for fresh, 2 pounds for frozen, 3 pounds for chips, 7 pounds for dehydrated and dried, 1.6 pounds for canned, and 9 pounds for starch. 5/ Includes Brunei, Burma, Cambodia, Indonesia, Laos, Malaysia, Philippines, Singapore, Thailand, and Vietnam.

Source: Bureau of the Census, U.S. Department of Commerce.

Table 23--Potatoes: U.S. imports, by selected countries of origin, 1996

| Destination                            | Fresh 1/ | Frozen  |          |         | Dehydrated |              |        |         | Total     |
|--|----------|---------|----------|---------|------------|--------------|--------|---------|-----------|
|  |          | Fries   | Other 2/ | Total   | Chips      | and dried 3/ | Canned | Starch  |           |
| 1,000 pound fresh weight equivalent 4/ |          |         |          |         |            |              |        |         |           |
| Canada                                 | 986,327  | 845,909 | 60,167   | 906,076 | 5,712      | 14,183       | 509    | 31,393  | 1,944,199 |
| EU-15                                  | -        | 268     | 642      | 909     | 168        | 10,967       | 871    | 772,277 | 785,191   |
| Belgium                                | -        | -       | 262      | 262     | 15         | -            | 216    | 6,506   | 6,999     |
| Germany                                | -        | -       | -        | -       | -          | 5,002        | 36     | 237,521 | 242,560   |
| Netherlands                            | -        | 268     | 271      | 539     | -          | 5,236        | 535    | 370,189 | 376,499   |
| United Kingdom                         | -        | -       | 2        | 2       | 3          | -            | -      | 124     | 129       |
| All others                             | 139      | 469     | 1,112    | 1,581   | 10         | 1,707        | 294    | 4,678   | 8,410     |
| Total                                  | 986,466  | 846,645 | 61,921   | 908,566 | 5,890      | 26,857       | 1,674  | 808,348 | 2,737,801 |

1/ Includes seed and tablestock. 2/ Includes whole and other frozen. 3/ Includes flakes, granules, flour, and dried. 4/ Converted to farm weight equivalents using 1 pound for fresh, 2 pounds for frozen, 3 pounds for chips, 7 pounds for dehydrated and dried, 1.6 pounds for canned, and 9 pounds for starch.

Source: Bureau of the Census, U.S. Department of Commerce.

Table 24--World potato production, 1991-95

| Country            | 1991    | 1992    | 1993    | 1994    | 1995    |
|--------------------|---------|---------|---------|---------|---------|
| 1,000 metric tons  |         |         |         |         |         |
| China              | 30,441  | 37,826  | 45,942  | 48,766  | 45,754  |
| Russia             | -       | 38,330  | 37,650  | -       | 39,900  |
| Poland             | 29,038  | 23,388  | 36,271  | 23,058  | 24,891  |
| United States      | 18,943  | 19,294  | 19,448  | 21,225  | 20,122  |
| India              | 15,206  | 16,388  | 15,230  | 17,392  | 17,942  |
| Ukraine            | -       | 20,277  | 21,009  | -       | 14,729  |
| Germany            | 10,584  | 11,258  | 12,646  | 10,635  | 10,382  |
| Belarus            | -       | 8,984   | 11,644  | -       | 8,570   |
| Netherlands        | 6,949   | 7,595   | 7,699   | 7,224   | 7,363   |
| United Kingdom     | 6,267   | 7,802   | 7,065   | 6,445   | 6,002   |
| France             | 5,467   | 6,679   | 5,860   | 5,464   | 5,754   |
| Turkey             | 4,600   | 4,600   | 4,650   | 4,350   | 4,750   |
| Spain              | 5,182   | 5,181   | 3,821   | 3,860   | 4,194   |
| Canada             | 2,829   | 3,607   | 3,316   | 3,679   | 3,774   |
| Japan              | 3,609   | 3,494   | 3,390   | 3,377   | 3,400   |
| Romania            | 1,873   | 2,602   | 3,709   | 2,947   | 3,020   |
| Iran               | 2,612   | 2,708   | 3,222   | 3,185   | 2,974   |
| Colombia           | 2,225   | 2,281   | 2,860   | 3,095   | 2,800   |
| Brazil             | 2,267   | 2,432   | 2,368   | 2,480   | 2,669   |
| Peru               | 1,451   | 998     | 1,493   | 1,767   | 2,368   |
| Belgium-Luxembourg | 2,025   | 2,663   | 2,403   | 2,080   | 2,100   |
| Italy              | 2,219   | 2,402   | 2,120   | 2,021   | 2,061   |
| Argentina          | 1,750   | 1,629   | 2,115   | 2,366   | 1,914   |
| Kazakhstan         | -       | 2,570   | 2,298   | -       | 1,720   |
| Korea              | 1,975   | 1,800   | 1,750   | 1,600   | 1,600   |
| Lithuania          | -       | 1,079   | 1,773   | -       | 1,594   |
| South Africa       | 1,311   | 1,190   | 1,276   | 1,290   | 1,468   |
| Egypt              | 1,786   | 1,619   | 1,600   | 1,325   | 1,450   |
| Denmark            | 1,462   | 1,775   | 1,740   | 1,359   | 1,441   |
| Bangladesh         | 1,237   | 1,379   | 1,384   | 1,438   | 1,440   |
| Portugal           | 1,370   | 1,569   | 1,241   | 1,327   | 1,378   |
| Czech Republic     | -       | -       | 2,396   | -       | 1,330   |
| Mexico             | 1,211   | 1,213   | 1,134   | 1,167   | 1,269   |
| Australia          | 1,136   | 1,150   | 1,129   | 1,185   | 1,122   |
| Pakistan           | 751     | 860     | 933     | 1,056   | 1,105   |
| Hungary            | 1,126   | 1,212   | 1,057   | 946     | 1,099   |
| Sweden             | 1,029   | 1,253   | 1,361   | 967     | 1,074   |
| Yugoslavia         | -       | 807     | 647     | 844     | 931     |
| Greece             | 1,088   | 1,020   | 1,006   | 968     | 898     |
| Indonesia          | 526     | 703     | 809     | 877     | 877     |
| Chile              | 844     | 1,023   | 926     | 900     | 870     |
| Latvia             | -       | 1,167   | 1,272   | -       | 864     |
| Nepal              | 746     | 733     | 733     | 780     | 839     |
| Finland            | 672     | 673     | 777     | 726     | 798     |
| Morocco            | 1,074   | 918     | 879     | 1,038   | 774     |
| Austria            | 790     | 738     | 886     | 594     | 724     |
| Algeria            | 1,077   | 1,158   | 1,065   | 716     | 720     |
| Estonia            | -       | 669     | 539     | 563     | 700     |
| Bulgaria           | 498     | 566     | 357     | 497     | 656     |
| Bolivia            | 655     | 649     | 756     | 632     | 642     |
| Ireland            | 571     | 638     | 569     | 589     | 620     |
| Switzerland        | 711     | 741     | 908     | 571     | 600     |
| Syria              | 452     | 413     | 361     | 362     | 553     |
| Croatia            | -       | 480     | 507     | 563     | 500     |
| All others         | 77,492  | 13,369  | 11,916  | 75,127  | 12,030  |
| World              | 257,127 | 277,551 | 301,916 | 275,421 | 281,120 |

-- = not available

Source: Food and Agriculture Organization of the United Nations.