Production and Utilization Analysis

2006 Edition

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Introduction

The 2006 edition of the U.S. Apple Association (USApple) *Production and Utilization Analysis* provides an overview of the production and utilization of U.S. apple crops for recent years, and forecasts for the 2006 marketing season. The source for much of the production information, including the 2006 forecast, is the U.S. Department of Agriculture (USDA). Varietal data and related commentary have been prepared by USApple. Data on the European crop is from Prognosfruit, the European version of USApple's **Apple Crop Outlook and Marketing Conference**. The utilization information is a mixture of USDA-published data and USApple forecasts, based on reports from apple processors and other reporting organizations.

USApple is grateful to all who contributed information for this report, including USDA, Prognosfruit, Canadian Horticultural Council, the Ontario Ministry of Agriculture and Rural Affairs, the Federation des Producteurs de Pommes du Quebec, the New Brunswick Apple Marketing Board, the Nova Scotia Fruit Growers Association, The Food Institute, and Zentrale Markt-und Preisberichtstelle.

USApple would also like to thank Bayer CropScience for their continued support of this important industry publication. Through their efforts, the *Production and Utilization Analysis* is available electronically and on CD to attendees of the **2006 Outlook Conference**.

■ 2005 Crop: U.S. Production and Utilization Summary

Highlights of production and utilization of the 2005 apple crop follow. In addition, tables contained throughout this publication provide detailed information on the 2005 crop, including comparisons to crops from previous 5-year and 10-year periods.

U.S. Apple Production: Volume and Value

The 2005 crop, at 234.9 million bushels, was the thirteenth-largest apple crop since the U.S. Department of Agriculture (USDA) has recorded statistics on commercial apple production. The record crop of 277.3 million bushels was produced in 1998. The 2006 crop forecast at 229 million bushels is expected to rank as the sixteenth-largest crop produced by U.S. growers. Historical crop data are found in **Table 1**, and **Figures 1** and **2**.

Apple production in Washington state of 138.1 million bushels in 2005 was 6 percent less than the 146.4 million bushels produced in 2004, and 9 percent more than average production of 127.4 million bushels for the previous five years. In California, production of 8.5 million bushels in 2005 was unchanged from 2004 production, and 26 percent below the five-year average for production in that state. Michigan 2005 apple production was 18.6 million bushels, 7 percent above 2004 production, and similar to the five-year average. In New York, production of 24.8 million bushels in 2005 was 19 percent less than production in 2004, but 3 percent more than the five-year average for production. Pennsylvania 2005 apple production of 12.3 million bushels increased 27 percent from production in 2004 and was 19 percent more than the five-year average.

Production in the West, at 153.8 million bushels, accounted for 65 percent of the total national production in 2005, 1 percent more than the five-year average for that region. The crop in the rest of the country, at 81 million bushels, accounted for 35 percent of the total crop in 2005, 1 percent less than the five-year average for this part of the country. **Tables 5** and **6** detail regional production, by year, with comparisons to the five-year average.

Fresh-market varieties represented 71.7 percent of the apples harvested from the 2005 national crop (see **Table 10**). This is one-half of a percentage point less than in 2004, when fresh-market varieties made up 72.2 percent of production. In 2003, fresh varieties made up 69.3 percent of the crop, and in 2002 fresh varieties represented 75 percent of apple production.

Production of dual-purpose varieties increased from 14 percent in 2004 to 14.4 percent in 2005. Production of Red Delicious decreased from 69.6 million bushels in 2004 to 66.1 million bushels in 2005, a 5 percent decrease. The 2005 Golden Delicious crop, at 30.6 million bushels, decreased 4 percent from the 31.8 million bushels produced in 2004 (see **Table 8**).

2005 Crop Value

According to USDA, 2005 season-average prices to growers for all sales were 19.4 cents per pound, a 22 percent increase from the average price of 15.9 cents per pound in 2004. Compared to season-average prices in 2003 of 20.9 cents per pound, 2005 prices were 7 percent lower (see **Table 2**).

The season-average price for fresh-market apples averaged 27.6 cents per pound in 2005, up by 27 percent from 21.8 cents in 2004, but 6 percent lower than the 2003 average price of 29.4 cents per pound.

(continued on page 6)

Table 1:
Historical U.S. Annual Apple Production and Five-Year Averages (000 42-lb. Units)

YEAR	PRODUCTION	YEAR	PRODUCTION	YEAR	PRODUCTION
1940	111,436	1965	146,197	1990	229,924
1941	122,217	1966	137,178	1991	231,112
1942	126,707	1967	129,428	1992	251,631
1943	87,310	1968	130,215	1993	254,400
1944	121,266	1969	162,372	1994	273,821
1945	66,686	1970	152,305	1995	252,024
1946	118,901	1971	151,693	1996	247,188
1947	112,892	1972	140,032	1997	245,805
1948	89,330	1973	148,539	1998	277,295
1949	134,002	1974	155,539	1999	253,112
1950	124,477	1975	179,285	2000	251,993
1951	111,369	1976	154,126	2001	224,357
1952	94,415	1977	158,871	2002	202,950
1953	95,368	1978	180,879	2003	209,360
1954	111,765	1979	193,882	2004	248,586
1955	106,234	1980	210,200	2005	234,879
1956	101,315	1981	184,610	**2006**	229,040 F
1957	119,258	1982	193,381		
1958	127,485	1983	199,357		
1959	126,847	1984	198,405		
1960	108,705	1985	188,440		
1961	126,725	1986	187,119		
1962	125,794	1987	255,764		
1963	126,420	1988	217,143		
1964	150,461	1989	236,114		

Five-Year Averages

1940-44	113,787	1965-69	141,078	1990-94	248,178
1945-49	104,362	1970-74	149,622	1995-99	255,085
1950-54	107,479	1975-79	173,409	2000-04	227,449
1955-59	116,228	1980-84	197,191		
1960-64	127,621	1985-89	216,916		

Top Ten Apple Production Years

YEAR	PRODUCTION	YEAR	PRODUCTION
1998	277,295	1995	252,024
1994	273,821	2000	251,993
1987	255,764	1992	251,631
1993	254,400	2004	248,586
1999	253,112	1996	247,188

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary,* various years and *Crop Production,* Aug. 11, 2006.
F=Forecast

At $105 per ton, the average value of processing apples in 2005 decreased by 2 percent from the $107 per ton value in 2004, and decreased 20 percent from the 2003 price of $131 per ton. The average juice-apple price of $65 per ton in 2005 was down 8 percent from 2004 levels of $71 per ton, and 37 percent less than 2003 when average juice-apple prices were $103 per ton.

Total farm-gate revenue of $1.89 billion in 2005 increased by 15 percent from 2004, when total revenue was $1.65 billion. The value of fresh production increased 18 percent from $1.45 billion in 2004 to $1.71 billion in 2005. The value of processing-apple production in 2005 decreased 6 percent from $199 million in 2004 to $188 million in 2005.

Table 2 includes season-average apple prices received by U.S. growers from 2002 through 2005, while **Table 3** includes historical data on prices for various uses.

U.S. Utilization

USDA's preliminary estimate for total U.S. per-capita utilization of apples and apple products in 2005 was 46.11 pounds, 4.51 pounds per person less than in 2004 (see **Table 4**). The total amount of apples processed in 2005 was 85.2 million bushels, compared to 88.7 million bushels in 2004, and 77.2 million bushels in 2003 (see **Table 13**). **Table 12** provides a summary of how the crop was utilized, by production region.

Processors converted 36.3 percent of the 2005 crop into apple products, which was slightly higher than 35.7 percent in 2004, but down from 36.9 percent in 2003 (see **Table 16**). The percent of the crop sold as fresh-market apples in the domestic market decreased to 48 percent in 2005 from 51 percent in 2004 and 2003. Fresh exports in 2005 were 15 percent of total production, as compared to 13 percent in 2004 and 11 percent in 2003.

The portion of the crop that was used in canned products remained the same at 12 percent from 2004, and the portion of the crop used in juice and cider remained the same at 18 percent from 2004 (see **Table 15**). The portion of the crop used in frozen products remained the same at 2.5 percent from 2004. **Figure 3** depicts percentages of how the 2005 crop was utilized.

U.S. Crop Movement

Forty-three percent of the 2005 crop was moved prior to Dec. 1, 2005, with 40.5 million bushels being processed, and 44.1 million bushels used in the domestic fresh market during this period (see **Table 16**). The supply of apples in storage on Dec. 1, 2005, was 133.2 million bushels, of which 80 percent was in long-term controlled atmosphere storage.

■ **Table 2:**
Season-Average Apple Prices Received by U.S. Growers, 2000-2004 Crop Years

	2002	2003	2004	2005
All sales (cents per pound)	18.90	20.90	15.90	19.40
Fresh consumption (cents per pound)	25.80	29.40	21.80	27.60
All processing (dollars per ton)	130.00	131.00	107.00	105.00
Canned (dollars per ton)	161.00	154.00	149.00	149.00
Juice and cider (dollars per ton)	104.00	103.00	70.50	65.20
Frozen (dollars per ton)	175.00	173.00	173.00	153.00
Dried (dollars per ton)	108.00	107.00	73.60	58.90
Fresh slices (dollars per ton)[1]	NA	NA	186.00	273.00
Other (dollars per ton)	161.00	152.00	112.00	149.00
Value of Fresh Production (000)	**$1,385,164**	**$1,605,630**	**$1,447,978**	**$1,705,880**
Value of Processing Production (000)	**$196,096**	**$211,610**	**$198,823**	**$187,700**
Total Farm-Gate Value of Production[2] (000)	**$1,581,260**	**$1,817,240**	**$1,646,801**	**$1,893,580**

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary,* various years.
[1] Fresh slices were added in 2004.
[2] Total revenue to growers from fresh and processing sales.

Table 3:
Trends in Average Apple Prices Received by U.S. Growers, According to Types of Utilization

Year	All Sales (cents per pound) Annual	All Sales 5-Yr Avg	Fresh (cents per pound) Annual	Fresh 5-Yr Avg	All Processing (dollars per ton) Annual	All Processing 5-Yr Avg
1990	15.1	12.0	20.9	16.8	144.00	112.86
1991	17.9	13.0	25.1	18.0	171.00	125.86
1992	13.6	13.9	19.5	19.4	130.00	135.00
1993	12.9	14.0	18.4	19.6	107.00	131.80
1994	12.9	14.5	18.6	20.5	114.00	133.20
1995	17.0	14.9	24.0	21.1	159.00	136.20
1996	15.9	14.5	20.8	20.3	171.00	136.20
1997	15.4	14.8	22.1	20.8	130.00	136.20
1998	12.2	14.7	17.3	20.6	94.60	133.72
1999	15.0	15.1	21.3	21.1	128.00	136.52
2000	12.8	14.3	17.8	19.9	101.00	124.92
2001	15.8	14.2	22.9	20.3	108.00	112.32
2002	18.9	14.9	25.8	21.0	130.00	112.32
2003	20.9	16.7	29.4	23.4	131.00	119.60
2004	15.9	16.9	21.8	23.5	107.00	115.40
2005	19.4	18.2	27.6	25.5	105.00	116.20

Processing Utilization (all in dollars per ton)

Year	Canned Annual	Canned 5-Yr Avg	Juice and Cider Annual	Juice and Cider 5-Yr Avg	Frozen Annual	Frozen 5-Yr Avg	Dried Annual	Dried 5-Yr Avg
1990	169.00	141.80	124.00	89.16	172.00	155.40	125.00	103.38
1991	173.00	150.80	164.00	105.20	196.00	165.00	193.00	120.98
1992	148.00	156.60	114.00	115.30	165.00	171.00	139.00	131.64
1993	137.00	153.60	81.00	112.36	163.00	170.80	110.00	132.44
1994	147.00	154.80	94.10	115.42	149.00	169.00	95.00	132.40
1995	157.00	152.40	153.00	121.22	185.00	171.60	191.00	145.60
1996	200.00	157.80	147.00	117.82	226.00	177.60	172.00	141.40
1997	172.00	162.60	92.00	113.42	185.00	181.60	107.00	135.00
1998	165.00	168.20	57.70	108.76	146.00	178.20	75.50	128.10
1999	155.00	169.80	109.00	111.74	158.00	180.00	124.00	133.90
2000	147.00	167.80	75.10	96.16	150.00	173.00	71.20	109.94
2001	139.00	155.60	83.40	83.44	139.00	155.60	84.70	92.48
2002	161.00	153.40	104.00	85.84	175.00	153.60	108.00	92.68
2003	154.00	151.20	103.00	94.90	173.00	159.00	107.00	98.98
2004	149.00	150.00	70.50	87.20	173.00	162.00	73.60	88.90
2005	149.00	150.40	65.20	85.22	153.00	162.60	58.90	86.44

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary,* various years.
Note: The 5-year average is based on the current year and the previous four years.

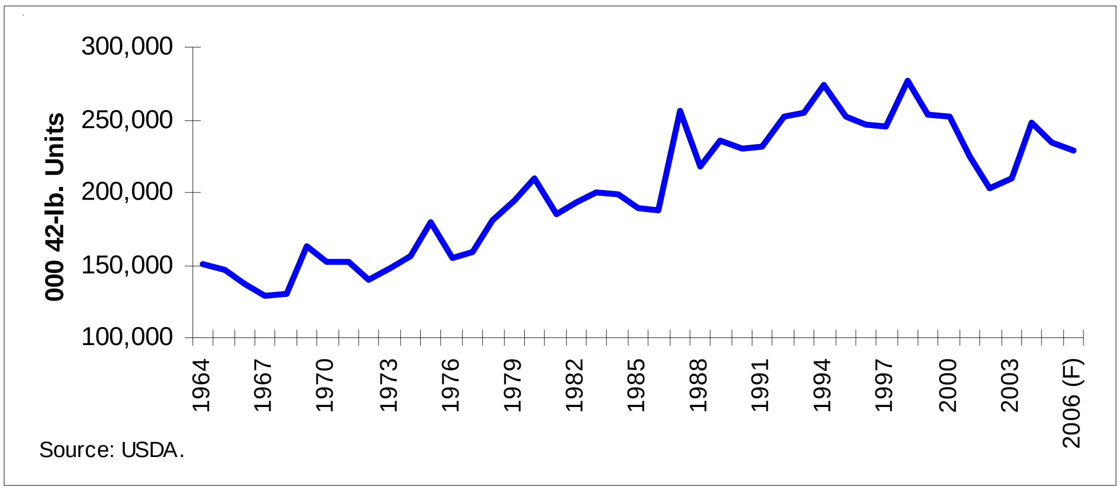
U.S. Exports and Imports

Exports of U.S. apples from the 2005 crop increased to 35.7 million bushels from 31 million bushels in 2004 (see **Table 18**). This increase resulted mainly from larger volumes of exports to Mexico, Taiwan and Malaysia. The top three destinations for U.S. apple exports and their percentage of total exports were Mexico at 27 percent, Canada at 16 percent and Taiwan at 8 percent.

Fresh-market apple imports increased to approximately 8.2 million 42-pound cartons in 2005, from 6.6 million 42-pound cartons in 2004 (see **Table 19**). Chile was the largest source of fresh apple imports, accounting for 47 percent of total imports. New Zealand and Canada followed, capturing approximately 27 percent and 24 percent of total imports, respectively. The yearly balance of trade for fresh apples and equivalent trade in juice apples are illustrated in **Table 17**.

U.S. apple juice imports estimate of 425 million gallons single-strength equivalent in 2005 decreased from 470 imported gallons in 2004. **Table 11** shows imports of apple juice on a single-strength equivalent basis and on a bushel-equivalent basis.

■ **Figure 1: U.S. Apple Production, 1963-2005**



■ **Figure 2: U.S. Apple Production, 2000-2005**

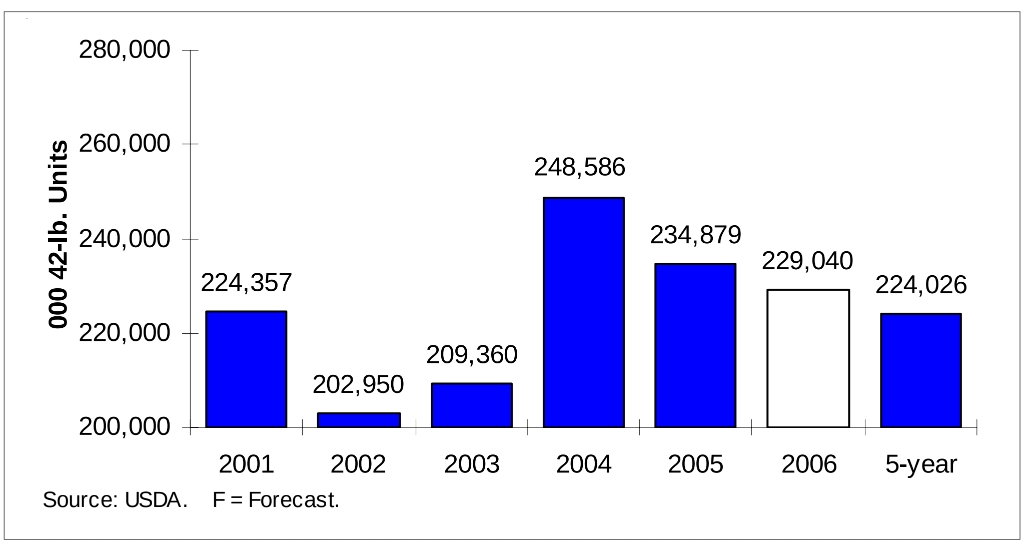
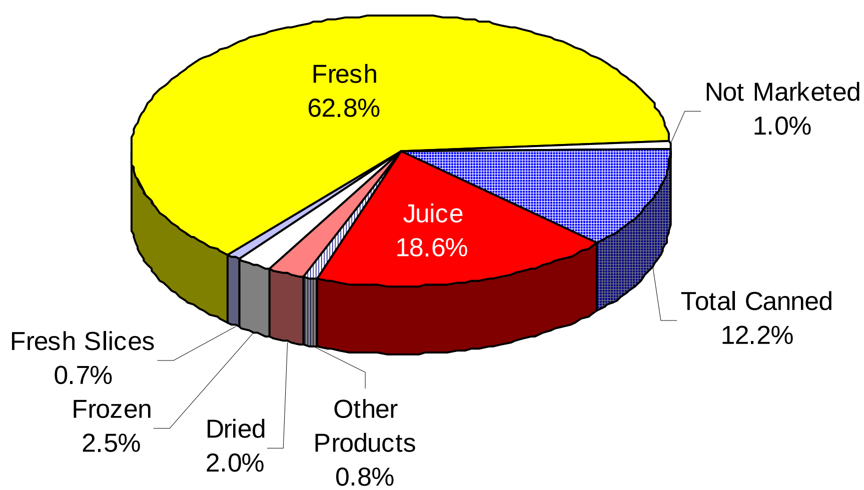


Table 4:
U.S. Per-Capita Utilization of Apples and Apple Products
(Pounds, Fresh-Weight Equivalent)

Season	Fresh	Canned	Juice	Frozen	Dried	Other	Total
1990-91	19.58	5.50	20.68	1.21	0.76	0.29	48.02
1991-92	18.11	5.15	18.13	1.12	0.79	0.39	43.69
1992-93	19.14	5.80	18.73	0.95	1.20	0.60	46.43
1993-94	19.00	5.12	21.33	1.08	1.45	0.32	48.30
1994-95	19.36	5.34	21.28	1.15	1.53	0.50	49.17
1995-96	18.69	4.89	18.89	1.14	1.21	0.29	45.11
1996-97	18.67	4.91	20.33	0.99	1.24	0.23	46.36
1997-98	18.09	5.60	18.47	1.27	0.95	0.66	45.03
1998-99	18.98	4.37	21.52	0.96	1.18	0.34	47.36
1999-00	18.50	4.84	21.36	0.97	0.99	0.45	47.10
2000-01	17.46	4.36	21.37	0.69	0.77	0.33	44.98
2001-02	15.60	4.57	21.28	0.87	0.83	0.25	43.40
2002-03	16.00	4.01	21.44	0.66	0.80	0.17	43.09
2003-04	16.91	4.50	23.11	0.97	0.64	0.36	46.48
2004-05	18.86	4.53	25.22	0.87	0.70	0.45	50.62
2005-06 (F)	16.93	4.30	22.79	0.82	0.76	0.50	46.11

Source: USDA, Economic Research Service, Specialty Crops Branch.
Per-capita numbers approximate the trend and general level of consumption over time. Annual consumption estimate reflect changes in stocks. Therefore, the numbers do not reflect actual year-to-year changes in consumption.
Per capita figures are adjusted for imports and exports, and include shipments to territories.
F = USDA preliminary forecast.
Other includes vinegar, wine, slices for pie making and, beginning in 2004-05, fresh slices.

Figure 3:
Utilization of 2005 U.S. Apple Crop



Source: USDA, National Agricultural Statistics Service.

■ 2006 Crop: U.S. Production Forecast

On Aug. 11, 2006, the U.S. Department of Agriculture (USDA) forecast the 2006 U.S. apple crop at 9.6 billion pounds. Measured in 42-pound bushels, the crop is forecast to be 229 million bushels. This is 5.8 million bushels less than last year's production, but is 5 million bushels above average production for the past five years.

Regional production in the Eastern and Western states for 2006 is slightly above five-year average production levels, but Midwestern production is slightly below five-year average production. In the East, the 2006 crop is forecast at 55 million bushels, up 1 percent from 2005 and 3 percent above the five-year average. The 2006 New York crop, at 26.2 million bushels, is forecast to be 6 percent more than 2005, and 8 percent above the five-year average.

The 2006 New England crop is forecast to increase 14 percent from last year and production in the Southeast is expected to increase 26 percent. Appalachian region 2006 production is forecast at 20.3 million bushels, down 9 percent from 2005. See **Tables 5** and **6** for regional crop production data.

Eastern Red Delicious production in 2006 is forecast to be down 15 percent from 2005, and Golden Delicious is forecast to increase 2 percent. Compared to 2005, Eastern McIntosh production in 2006 is estimated to decrease by 8 percent.

Production from the Midwestern region, forecast at 25.2 million bushels, is down 5 percent from 2005 and down 4 percent from the five-year average. Michigan's crop is forecast at 16.2 million bushels, 13 percent lower than last year's crop of 18.6 million bushels. The combined Eastern and Midwestern crop is forecast at 80.2 million bushels, down 1 percent from 2005, but 1 percent higher than the five-year average.

■ Table 5:
Comparison of Forecasted 2005U.S. Apple Crop with 2004 and Five-Year Average (000 42-lb. Units)

				2006 Forecast Compared With:	
Region	**2005**	**2006 Forecast**	**5-Year Average**	**2005**	**5-Year Average**
East	54,443	54,957	53,121	1%	3%
Midwest	26,598	25,202	26,353	-5%	-4%
Total East and Midwest	81,040	80,160	79,474	-1%	1%
West	153,838	148,881	144,370	-3%	3%
Total United States	**234,879**	**229,040**	**224,026**	**-2%**	**2%**

Source: USDA, National Agricultural Statistics Service, and *Noncitrus Fruits and Nuts Summary,* various years and *Crop Production,* Aug. 11, 2006.
Note: Columns may not add up due to rounding.

The Western crop is forecast at approximately 148.9 million bushels, a 3 percent decrease from 2005, and 3 percent more than the five-year average.

According to USDA, Washington state is forecast to produce 133.3 million bushels, a 3 percent decrease from 2005, but 5 percent above average production over the past five years. The percentage production of Gala, Fuji and Granny Smith in Washington state is expected to increase, while the percentage of Red Delicious and Golden Delicious is expected to decrease.

California 2006 production is forecast at 8.6 million bushels, 1 percent more than 2005 production, but 16 percent less than the five-year average. Apple production in Oregon is forecast at 3.7 million bushels, an increase of 7 percent from the 2005 crop. Idaho is forecast to produce 1.7 million bushels in 2006, unchanged from 2005. Arizona is forecast to produce 714,000 bushels in 2006, and Utah is forecast at 524,000 bushels. Arizona's production will increase 35 percent compared to 2005, but Utah will decrease 42 percent from 2005. See **Table 7** for 2006 production forecasts and historical data by state. See **Table 9** for 2005 and historical varietal production data by region.

Table 6:
U.S. Apple Production, By Region

	2001	2002	2003	2004	2005	5-Year Average	2006 Forecast
Eastern States	54,693	42,729	54,317	59,424	54,443	53,121	54,957
Midwest States	30,345	19,550	29,757	26,076	26,598	26,353	25,202
Total East and Midwest	85,038	62,279	84,074	85,500	81,040	79,474	80,160
Western States	139,319	140,671	125,286	163,086	153,838	144,370	148,881
United States	**224,357**	**202,950**	**209,360**	**248,586**	**234,879**	**224,026**	**229,040**

	2001	2002	2003	2004	2004	5-Year Average	2006 Forecast
Eastern States	24%	21%	26%	24%	23%	24%	24%
Midwest States	14%	10%	14%	10%	11%	12%	11%
Total East and Midwest	38%	31%	40%	34%	35%	35%	35%
Western States	62%	69%	60%	66%	65%	64%	65%
United States	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary,* various years and *Crop Production*, Aug. 11, 2006.

■ **Table 7:**
U.S. Apple Production, By State (000 42-lb. Units)

States	2001	2002	2003	2004	2005	2006 Forecast	% change from 2005
New York	23,810	16,190	25,476	30,476	24,762	26,190	+6%
Pennsylvania	11,429	8,810	10,524	9,643	12,262	10,714	-13%
Virginia	7,381	5,952	6,429	7,143	6,667	6,190	-7%
North Carolina	2,667	3,810	3,214	3,690	3,095	4,095	+32%
West Virginia	2,500	2,262	2,071	1,929	2,071	2,143	+3%
New Jersey	1,310	833	952	952	1,071	1,071	NC
Maryland	971	762	952	812	976	905	-7%
Vermont	976	738	1,000	988	786	821	+5%
Massachusetts	929	786	1,012	1,000	679	738	+9%
Maine	1,119	1,155	1,048	1,119	738	667	-10%
New Hampshire	714	631	619	726	500	643	+29%
Connecticut	488	286	512	464	369	381	+3%
Georgia	214	238	310	286	333	286	-14%
South Carolina	143	214	143	143	95	71	-25%
Rhode Island	43	62	55	52	38	40	+6%
Total East	**54,693**	**42,729**	**54,317**	**59,424**	**54,443**	**54,957**	+1%
Michigan	22,143	12,381	21,190	17,381	18,571	16,190	-13%
Ohio	2,048	1,667	2,143	2,143	2,357	2,476	+5%
Wisconsin	1,476	1,381	1,619	1,357	1,238	1,476	+19%
Indiana	1,262	952	1,214	1,429	1,190	1,357	+14%
Missouri	976	905	952	1,143	1,167	1,357	+16%
Illinois	1,038	1,024	1,250	1,345	1,167	1,262	+8%
Minnesota	571	595	643	595	524	548	+5%
Tennessee	250	171	286	262	202	262	+29%
Kentucky	198	133	179	183	131	167	+27%
Iowa	210	202	143	126	50	107	+114%
Kansas [1]	71	60	81	67	NA	NA	NA
Arkansas [1]	102	79	57	45	NA	NA	NA
Total Midwest	**30,345**	**19,550**	**29,757**	**26,076**	**26,598**	**25,202**	-5%
Total East and Midwest	**85,038**	**62,279**	**84,074**	**85,500**	**81,040**	**80,160**	-1%
Washington	120,238	121,429	108,333	146,429	138,095	133,333	-3%
California	12,381	11,190	10,714	8,452	8,452	8,571	+1%
Oregon	3,381	4,810	3,167	3,881	3,452	3,690	+7%
Idaho	1,905	1,905	1,667	1,905	1,667	1,667	NC
Arizona	129	624	167	881	529	714	+35%
Utah	595	167	667	762	905	524	-42%
Colorado	548	500	524	667	738	381	-48%
New Mexico [1]	143	48	48	110	NA	NA	NA
Total West	**139,319**	**140,671**	**125,286**	**163,086**	**153,838**	**148,881**	-3%
Total U.S.	**224,357**	**202,950**	**209,360**	**248,586**	**234,879**	**229,040**	-2%

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary,* various years and *Crop Production,* Aug. 11, 2006.

[1] Estimates for Arkansas, Kansas and New Mexico were discontinued in 2005.

NA = Not available. NC = No change or the change is less than 1 percent.

2006 Crop: U.S. Varietal Analysis

The varietal mix of the U.S. apple crop is as critical to the apple market, as is the sheer volume of total U.S. apple production. The relationship between fresh-market and processing varieties, and the supply of certain fresh-market varieties, plays an important role in determining market conditions.

In 1981, the U.S. Department of Agriculture (USDA) discontinued its varietal estimate of the national apple crop. Since then, the U.S. Apple Association (USApple) has provided that service to the apple industry. USApple bases its varietal estimate on the total crop forecast provided by USDA. The estimate is calculated from input received from various regional producer organizations, and consultations with regional production experts.

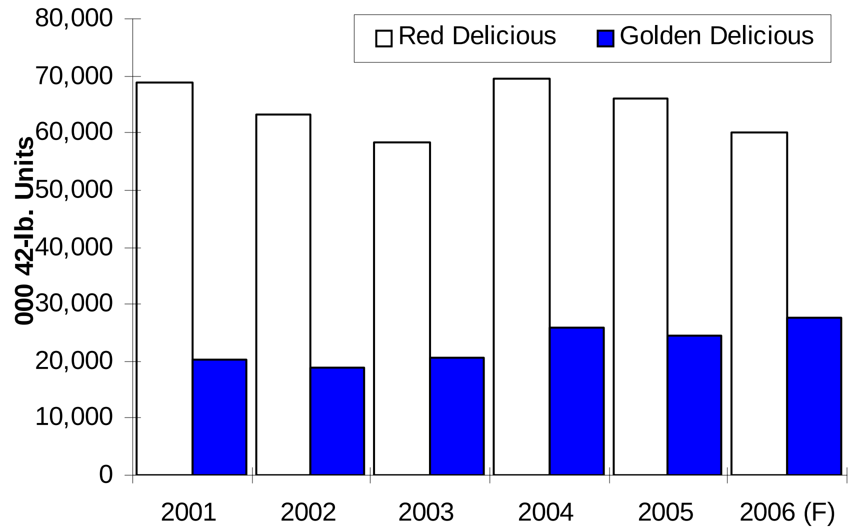
2006 Regional and Varietal Estimates

Under ideal circumstances, the United States' varietal mix is reasonably distributed across producing regions, and varietal supplies are sufficient to support fresh-market and processing-apple demand for any particular variety. Regional apple supplies are forecast to be relatively well-balanced in 2006.

Total production from the 2006 crop in the East and Midwest is forecast to be down 1 percent from 2005, but up 1 percent compared to the five-year average. In the Appalachian region (Maryland, Pennsylvania, Virginia and West Virginia), total production is forecast to decrease 9 percent in 2006 as compared to 2005. New England's 2006 crop is forecast to increase 14 percent from 2005.

Total Western production is forecast to decrease 3 percent from 2005, but increase 3 percent from the five-year average for that region. The percentage of production of Gala, Fuji and Granny Smith in Washington state is expected to increase, while the percentage of Red Delicious and Golden Delicious production is expected to

Figure 4:
Trends in U.S. Production for Red Delicious and Golden Delicious



Source: U.S. Apple Association.
F = Forecast.

decrease. See **Table 8** for USApple's varietal forecast and **Table 9** for variety forecasts by growing region.

Fresh-market varieties are forecast to comprise approximately 71.3 percent of the 2006 U.S. crop. In 2005, fresh-market varieties accounted for 71.7 percent of the crop, while in 2004, 72.2 percent of the crop was comprised of fresh-market varieties (see **Table 10**).

Dual-purpose varieties will make up 1.1 percent of the Western crop, 34.3 percent of the Eastern crop and 44.7 percent of the Midwestern crop.

The varietal picture has changed considerably over the past five years, and will continue to change with the 2006 crop.

Red Delicious still dominates varietal production nationally, but Gala has moved up to second place ranking for 2006. Red Delicious and Golden Delicious together are expected to make up 38 percent of total U.S. apple production in 2006, as compared to 41 percent in 2005. USApple estimates that total Red Delicious production in 2006 will fall to 60.1 million bushels, a 9 percent decrease from 2005 Red Delicious production (see **Figure 4**). Red Delicious production is forecast to decrease 8 percent in the West as compared to 2005. In the Midwest,

(continued on page 16)

■ Table 8:
Total U.S. Apple Production, By Variety (000 42-lb. Units)

Varieties	2001	2002	2003	2004	2005	2006 Forecast
Red Delicious	68,927	63,232	58,350	69,578	66,140	60,061
Gala	20,282	18,810	20,634	25,807	24,347	28,463
Golden Delicious	29,190	27,766	26,317	31,810	30,610	27,614
Granny Smith[1]	18,204	19,265	18,101	21,884	20,822	22,251
Fuji[1]	17,318	20,357	15,332	22,570	21,328	20,118
McIntosh	10,471	7,866	11,057	12,019	9,927	9,092
Rome	10,107	7,979	10,183	10,463	9,995	8,042
Empire	4,466	2,820	4,498	4,964	4,299	5,791
York	4,718	3,724	4,186	4,096	4,610	4,205
Jonathan	5,047	3,606	4,979	4,553	4,561	4,129
Idared	5,351	3,225	5,165	4,964	4,747	4,110
Cortland	2,282	1,761	2,474	2,775	2,297	2,382
Stayman	1,492	1,267	1,394	1,395	1,483	1,439
Newtown	1,235	1,319	1,103	1,099	1,032	1,058
Northern Spy	2,147	1,121	1,968	1,714	1,749	1,057
R.I. Greening	1,911	1,267	1,966	2,260	1,915	978
Winesap	656	436	593	538	565	451
Gravenstein	149	134	129	101	101	86
All Others	20,404	16,995	20,933	25,995	24,349	27,714
Total	**224,357**	**202,950**	**209,360**	**248,586**	**234,879**	***229,040***

Source: U.S. Apple Association.
[1] Includes only Western production. Eastern and Midwest production is included in other varieties
Note: Sum of varieties may not add to total due to rounding of individual varieties.
NA = Not Available

Table 9:
U.S. Apple Production, By Variety, Region (000 42-lb. Units)

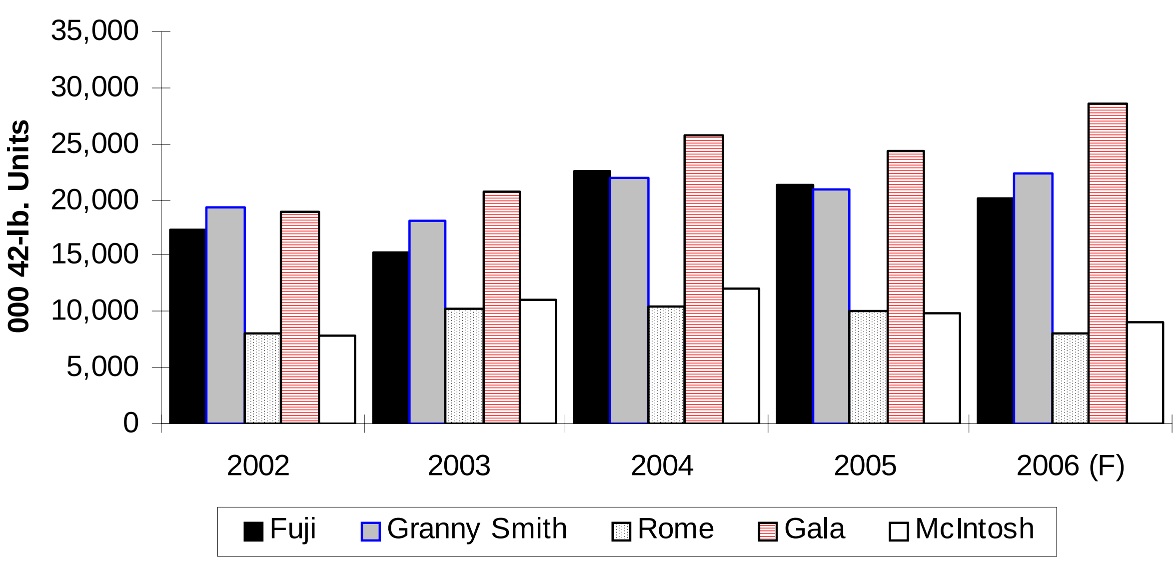
Variety	Area	2001		2002	2003	2004	2005	2006 Forecast
Red Delicious	East	9,275		7,627	9,195	9,398	9,172	7,807
	Midwest	5,768		3,869	5,893	5,255	5,318	4,770
	West	53,884		51,736	43,261	54,926	51,649	47,484
	Total	**68,927**		**63,232**	**58,350**	**69,578**	**66,140**	**60,061**
Gala	East	735	a	561	856	1,450	1,305	1,800
	Midwest	823	a	140	488	435	441	1,182
	West	18,724	a	18,109	19,290	23,922	22,600	25,481
	Total	**20,282**	**a**	**18,810**	**20,634**	**25,807**	**24,347**	**28,463**
Golden Delicious	East	6,926		5,769	6,385	6,597	6,704	6,838
	Midwest	3,606		2,711	3,537	3,239	3,233	3,952
	West	18,658		19,286	16,396	21,974	20,674	16,824
	Total	**29,190**		**27,766**	**26,317**	**31,810**	**30,610**	**27,614**
Granny Smith	West/Total	**18,204**		**19,265**	**18,101**	**21,884**	**20,822**	**22,251**
Fuji	West/Total	**17,318**		**20,357**	**15,332**	**22,570**	**21,328**	**20,118**
McIntosh	East	8,116		6,420	8,829	10,066	7,962	7,292
	Midwest	2,354		1,446	2,228	1,953	1,965	1,799
	Total	**10,471**		**7,866**	**11,057**	**12,019**	**9,927**	**9,092**
Rome	East	6,400		5,330	6,456	6,937	6,454	6,221
	Midwest	3,076		2,017	3,142	2,710	2,816	1,192
	West	631		632	585	817	725	628
	Total	**10,107**		**7,979**	**10,183**	**10,463**	**9,995**	**8,042**
Empire	East	3,356		2,185	3,515	4,112	3,423	4,566
	Midwest	1,110		635	982	853	876	1,225
	Total	**4,466**		**2,820**	**4,498**	**4,965**	**4,299**	**5,791**
York	East/Total	**4,718**		**3,724**	**4,186**	**4,096**	**4,610**	**4,205**
Jonathan	East	472		372	419	410	461	420
	Midwest	4,342		3,011	4,349	3,885	3,865	3,560
	West	234		223	212	258	235	149
	Total	**5,047**		**3,606**	**4,979**	**4,553**	**4,561**	**4,129**
Idared	East	2,143		1,323	1,997	2,344	1,959	2,063
	Midwest	3,208		1,902	3,167	2,620	2,788	2,046
	Total	**5,351**		**3,225**	**5,165**	**4,964**	**4,747**	**4,110**
Cortland	East	1,978		1,400	2,093	2,451	1,960	2,074
	Midwest	304		361	381	324	337	309
	Total	**2,282**		**1,761**	**2,474**	**2,775**	**2,297**	**2,382**
Stayman	East	1,313		1,112	1,206	1,202	1,303	1,239
	Midwest	179		155	188	193	180	200
	Total	**1,492**		**1,267**	**1,394**	**1,395**	**1,483**	**1,439**
Newtown	West/Total	**1,235**		**1,319**	**1,103**	**1,099**	**1,032**	**1,058**
Northern Spy	East	247		169	263	313	254	399
	Midwest	1,901		952	1,704	1,400	1,495	658
	Total	**2,147**		**1,121**	**1,968**	**1,714**	**1,749**	**1,057**
R.I. Greening	East	1,713		1,183	1,802	2,124	1,771	933
	Midwest	198		84	164	135	144	46
	Total	**1,911**		**1,267**	**1,966**	**2,260**	**1,915**	**978**
Winesap	East	236		186	209	205	230	210
	Midwest	417		246	381	329	331	237
	West	3		3	3	4	4	3
	Total	**656**		**436**	**593**	**538**	**565**	**451**
Gravenstein	West/Total	**149**		**134**	**129**	**101**	**101**	**86**
All Others	East	7,066		5,367	6,904	7,720	6,874	8,888
	Midwest	3,059		2,020	3,153	2,744	2,808	4,027
	West	10,280		9,608	10,875	15,531	14,666	14,800
	Total	**20,404**		**16,995**	**20,933**	**25,995**	**24,349**	**27,714**
Total U.S.		**224,357**		**202,950**	**209,360**	**248,586**	**234,879**	**229,040**

Source: U.S. Apple Association
Note: Sum of varieties may not add to total due to rounding of individual varieties.
a - Includes a benchmark adjustment in variety calculation.

Red Delicious production is forecast to decrease 10 percent, and decrease 15 percent in the East from last year. Golden Delicious production is estimated to decrease 19 percent in the West, increase 22 percent in the Midwest and increase 2 percent in the East from 2005 production. Nationally, 2006 Golden Delicious production is expected to decrease 10 percent as compared to 2005 (see **Figure 4**).

USApple's 2006 varietal forecast includes Gala production in the East and Midwest, now that producers in those regions have planted significant Gala acreage. Nationally, Gala production in 2006 is forecast at 28.5 million bushels, which is up 17 percent from the 2005 crop. 2006 Fuji production in the West is forecast to decrease 6 percent as compared to 2005. See **Figure 6** for an analysis of Western U.S. Fuji production. Production of Granny Smith is forecast to increase 7 percent as compared to 2005. McIntosh volume is expected to be down 8 percent in both the East and the Midwest, as compared to 2005. Nationally, McIntosh production in 2006 is forecast to decrease by 8 percent, as well, compared to production in 2005. See **Figure 5** for an historical comparison of varietal production.

Figure 5:
Trends in Production for Other Top U.S. Varieties



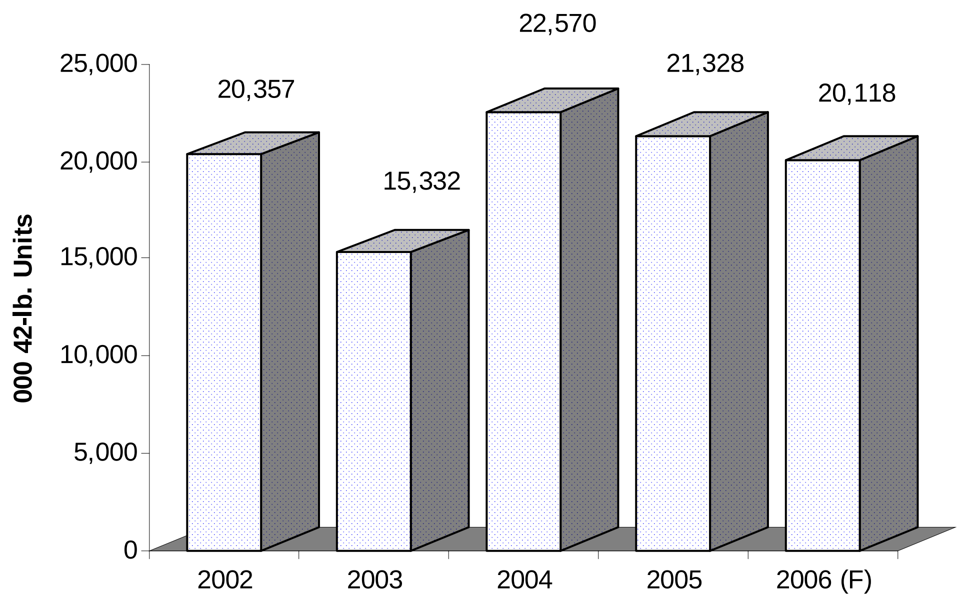
Source: U.S. Apple Association.
F = Forecast.

Table 10:
U.S. Crop Distribution, By Variety Grouping, Region (000 42-lb. Units)

	2002		2003		2004		2005		2006 Forecast	
	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
Fresh [1]										
East	16,978	39.7%	29,597	41.6%	30,819	42.5%	28,630	40.6%	26,276	39.4%
Midwest	6,337	32.4%	12,039	33.5%	10,776	33.8%	10,847	33.6%	10,759	36.6%
West	128,979	91.7%	112,801	89.9%	145,689	89.2%	137,539	89.3%	132,582	88.9%
Total Fresh	**152,294**	**75.0%**	**145,171**	**69.3%**	**179,594**	**72.2%**	**168,338**	**71.7%**	**163,199**	**71.3%**
Dual Purpose [2]										
East	15,307	35.8%	18,556	34.2%	19,940	33.6%	18,841	34.6%	18,856	34.3%
Midwest	10,157	52.0%	14,764	49.6%	12,972	49.7%	13,219	49.7%	11,259	44.7%
West	1,951	1.4%	1,688	1.3%	1,916	1.2%	1,757	1.1%	1,686	1.1%
Total Dual	**27,415**	**13.5%**	**35,008**	**16.7%**	**34,827**	**14.0%**	**33,817**	**14.4%**	**31,800**	**13.9%**
Processing [3]										
East	3,893	9.1%	4,449	8.2%	4,409	7.4%	4,683	8.9%	4,604	8.4%
Midwest	952	4.9%	1,704	5.7%	1,400	5.4%	1,495	5.6%	658	2.6%
West	134	0.1%	129	0.1%	101	0.1%	101	0.1%	86	0.1%
Total Processin	**4,979**	**2.5%**	**6,282**	**3.0%**	**5,911**	**2.4%**	**6,460**	**2.8%**	**5,348**	**2.3%**
All Other *										
East	6,550	15.3%	8,707	16.0%	9,845	16.6%	8,645	15.9%	9,821	17.9%
Midwest	2,104	10.8%	3,317	11.1%	2,879	11.0%	2,952	11.1%	4,072	16.2%
West	9,608	6.8%	10,875	8.7%	15,531	9.5%	14,666	9.5%	14,800	9.9%
Total Other	**18,261**	**9.0%**	**22,899**	**10.9%**	**28,254**	**11.4%**	**26,264**	**11.2%**	**28,693**	**12.5%**
Total	**202,950**		**209,360**		**248,586**		**234,879**		**229,040**	

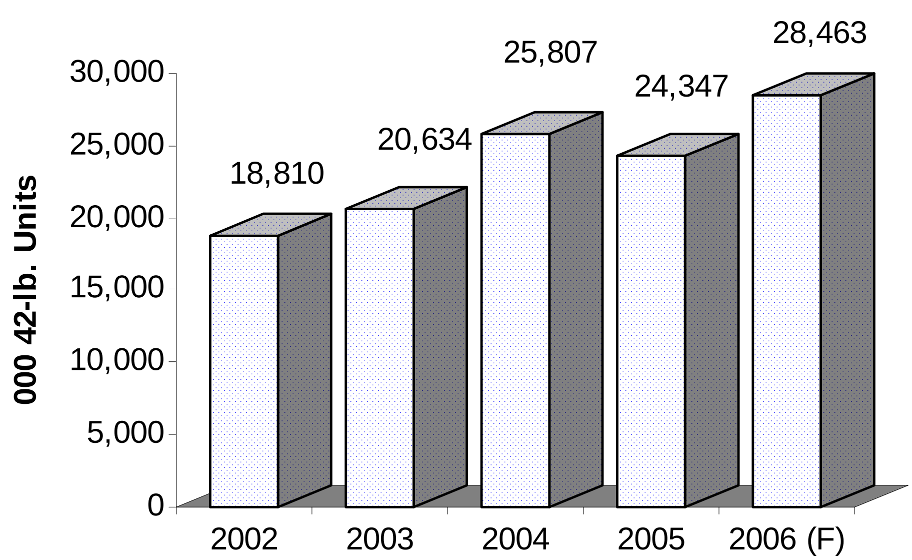
Source: U.S. Apple Association.
[1] Empire, Fuji, Gala, Golden Delicious (West), Granny Smith, Jonathan (West), McIntosh, Red Delicious and Winesap.
[2] Jonathan (East and MIdwest only), Golden Delicious, Rome, Stayman, Newtown Pippin, Cortland and Idared.
[3] East and Midwest: York and R.I. Greening; West: Gravenstein.
* These are mostly dual-purpose and processing varieties plus Northern Spy in the East and Midwest areas.
Note: Percent for East, Midwest and West refers to percent of total crop in the respective areas.
Percent for Total refers to the percent of the total national crop.

■ Figure 6:
Western U.S. Fuji Production



Source: U.S. Apple Association.
F = Forecast.

■ Figure 7:
U.S. Gala Production



Source: U.S. Apple Association.
F = Forecast.

■ 2006 Crop: U.S. Utilization and Movement Forecasts

The following forecast of expected 2006-crop processing-apple utilization is based on U.S. Department of Agriculture (USDA) data on the utilization of apples in various processed apple products and through information USApple has gathered from apple processing firms.

Total Canned Apple Products

Canned apple products are expected to use 29 million bushels of raw product in 2006 (see **Table 13**). Utilization at this level would be 1 percent more than in 2005.

Apple Juice Concentrate

After increasing steadily in the mid-1980s, imports of single-strength-equivalent apple juice varied from year to year in the 1990s. **Table 11** illustrates import levels of single-strength-equivalent apple juice over the past five years; import data has also been converted to show the equivalent in bushels of apples, and is compared to utilization of domestically-produced apples for juice processing.

In 2005, imports of single-strength apple juice equivalents were 9.6 percent lower compared to 2004 import

Table 11: ■
U.S. Apple Juice Imports (000)

	2001/02	2002/03	2003/04	2004/05	2005/06
Imported Gallons: Single-Strength Equivalent[1]	353,700	399,900	449,500	470,200	425,000 F
Imported Gallons Converted to: Bushel Equivalents[1]	98,524	111,393	125,209	130,975	118,384
Domestic Production in Gallons: Single Strength Equivalent[1]	162,000	123,300	119,500	156,300	148,500 F
Domestic Bushels Used for Juice	45,125	34,345	33,287	43,538	41,365
Total Bushel Equivalents Used for Juice (Domestic + Imported)	143,649	145,738	158,496	174,513	159,749
Imported Bushel Equivalents as Percent of Total	69%	76%	79%	75%	74%

Source: USDA, Economic Research Service, Specialty Crops Branch
[1] Based on a marketing year of August through July.
The volume shown as bushel equivalents is based on a conversion rate of 3.59 gallons of single-strength juice per 42-lb. unit. One bushel is equivalent to 42 lbs.
F = Forecast by Economic Research Service

levels. At this level, imported bushel equivalents represented 74 percent of the total amount of apples used to process apple juice in the United States. Information on world apple production and utilization in selected countries can be found in **Table 25**; sources of world apple juice concentrate are included in **Table 26**. Historical prices for apple juice concentrate are included in Appendix A.

The volume of raw product to be utilized for juice processing from the 2006 crop is forecast at 39.4 million bushels. This level of juice-apple utilization would represent 47 percent of the total processing volume which is slightly lower than the amount used in 2005.

Frozen Apple Products.

Frozen apple utilization from the 2006 crop is forecast at 6 million bushels, which is 3 percent more than in 2005. USApple estimates that approximately 7 percent of total processed apples will go to frozen product, which is slightly higher than last year.

Dried Apple Products.

In 2006, the dried category is forecast to utilize 4.8 million bushels, roughly the same amount as utilized in 2005. USApple estimates that approximately 6 percent of total processed apples will go to dried products, equivalent to last year.

Fresh Apple Slices

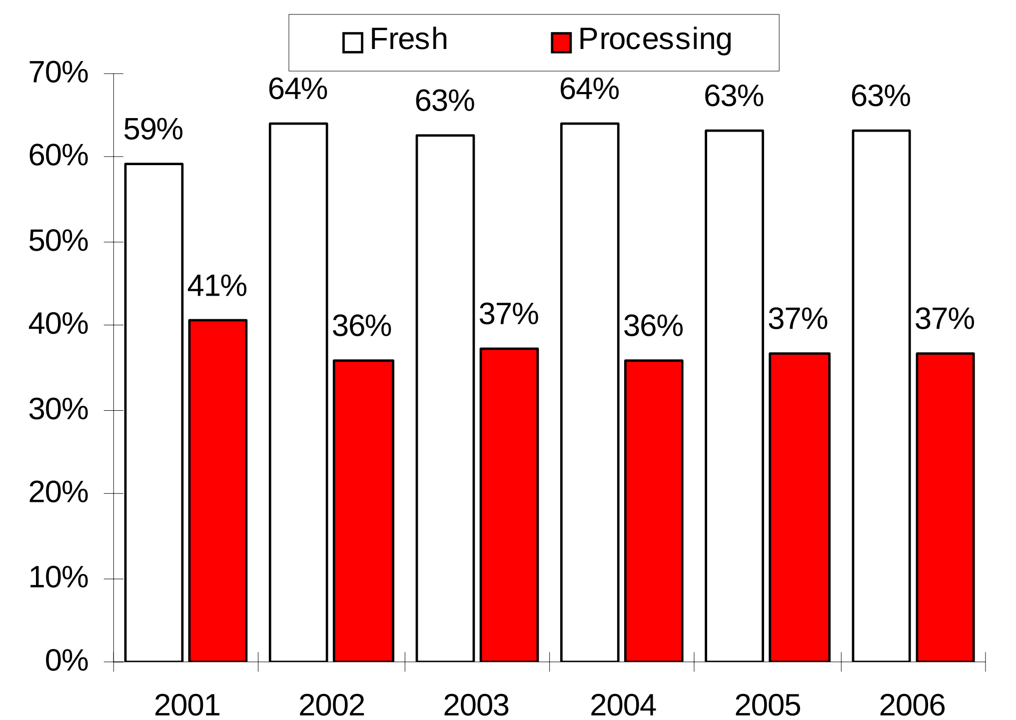
For the second year, USDA tracked the utilization of processed fresh apple slices. This category used 1.7 million bushels in 2005 and USApple estimates a somewhat higher amount to be used in 2006.

Other Processed Apple Products.

Utilization of apples in this category is forecast at 1.9 million bushels in 2006, roughly the same as the amount

(continued on page 22)

■ Figure 8:
U.S. Crop Utilization (Percentage)



Source: USDA, National Agricultural Statistics Service.
Note: Based on utilized production.
F = U.S. Apple Association.

Table 12:
Utilization Summary, By Production Region (000 42-lb. Units)

Regions	Fresh	Processed	Marketed	Total
Eastern States				
2001-02	20,338	31,595	2,502	54,436
2002-03	15,919	24,555	1,955	42,429
2003-04	20,993	31,886	1,074	53,952
2004-05	27,064	30,733	1,288	59,086
2005-06	22,202	30,757	1,112	54,071
2006-07 Forecast	**22,432**	**31,075**	**1,123**	**54,631**
Midwestern States				
2001-02	10,440	16,393	1,340	28,174
2002-03	7,257	9,719	626	17,602
2003-04	11,857	15,074	524	27,455
2004-05	10,567	12,933	260	23,760
2005-06	10,719	13,429	757	24,905
2006-07 Forecast	**10,453**	**13,095**	**738**	**24,286**
Total East and Midwest				
2001-02	30,779	47,988	3,843	82,610
2002-03	23,176	34,274	2,581	60,031
2003-04	32,850	46,960	1,598	81,407
2004-05	37,631	43,667	1,548	82,845
2005-06	32,921	44,186	1,869	78,976
2006-07 Forecast	**32,885**	**44,170**	**1,862**	**78,917**
Western States				
2001-02	97,550	40,862	907	139,319
2002-03	102,960	37,048	664	140,671
2003-04	95,069	29,914	302	125,286
2004-05	118,279	44,648	160	163,086
2005-06	112,771	40,674	393	153,838
2006-07 Forecast	**109,764**	**38,720**	**397**	**148,881**
Other States				
2001-02	1,850	238	340	2,429
2002-03	1,626	300	321	2,248
2003-04	2,124	298	245	2,667
2004-05	2,138	336	181	2,655
2005-06	1,531	357	176	2,064
2006-07 Forecast	**952**	**160**	**131**	**1,243**
Total United States				
2001-02	130,179	89,088	5,090	224,357
2002-03	127,762	71,621	3,567	202,950
2003-04	130,043	77,171	2,145	209,360
2004-05	158,048	88,650	1,888	248,586
2005-06	147,224	85,217	2,438	234,879
2006-07 Forecast	**143,600**	**83,050**	**2,390**	**229,040**

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruit and Nuts Summary,* various years;
2006-2007 U.S. Apple Association forecast.
Note other states include AR, GA, IA, KS, MN, RI, and TN. Sum of column and row may not equal total due to rounding.

used in 2005.

Processing vs. Fresh-Market Forecasts

USDA forecasts the 2006 U.S. apple-crop at 229 million bushels. Based on this forecast, USApple estimates that approximately 143.6 million bushels will be sold as fresh-market apples, 83.1 million bushels are forecast to be processed and approximately 2.4 million bushels will not be marketed.

Utilization by production region is found in **Table 12**. Comparisons of apple-crop processing utilization volume and value are found in **Tables 13** and **14** respectively; overall utilization is summarized in **Table 15**.

Fresh-market apple utilization in 2006 is expected to decrease 2.5 percent as compared to 2005. The fresh-versus-processing ratio of crop utilization for the 2006 crop is forecast to be 62.7 percent fresh and 36.3 percent processing, with one percent of the crop not marketed. In 2005, similar percentages were sold in the fresh market, used for processed products, and not marketed.

Figure 7 presents the historic utilization breakdown graphically. **Table 12** includes a regional breakdown of the crop into fresh-market and processed product destinations. Utilization of the processing portion of the crop estimated for 2006 and for the previous five years is shown in **Table 15**.

2006 Crop Movement Forecast

USApple estimates that movement of the 2006 crop prior to Dec. 1, 2006, will be 101.6 million bushels. Of this, 39 percent will go to processing, 46 percent to the fresh domestic market and 13 percent to fresh exports.

On Dec. 1, 2006, holdings of 2006-crop apples remaining in storage are forecast to be 127.4 million bushels, representing 56 percent of the total crop. About 79 percent of these holdings would be in controlled-atmosphere storage. General utilization, movement and storage data are presented in **Table 16**.

Table 13:
U.S. Processing-Apple Utilization: Volume (000 42-lb. Units)

	2001	2002	2003	2004	2005	2006 Forecast
Canned[1]	29,933	25,683	29,419	29,945	28,619	29,000
Juice	46,298	35,221	34,155	44,667	42,438	39,385
Dried	5,262	4,950	4,338	4,781	4,788	4,785
Frozen	5,917	4,564	6,733	6,090	5,819	6,000
Fresh Slices[2]	NA	NA	NA	1,286	1,683	2,000
Other Products	1,679	1,202	2,526	1,881	1,869	1,880
Total	**89,088**	**71,621**	**77,171**	**88,650**	**85,217**	**83,050**

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary,* various years. 2006 total and commodity allocations of total are estimated by the U.S. Apple Association.

[1] Canned apple products include apple sauce and canned slices.

[2] Data first compiled in 2004.

Note: Sum of processing utilization categories may not add due to rounding.

Table 14:
U.S. Processing-Apple Utilization: Value ($000)

	2001	2002	2003	2004	2005
Total Canned	$87,375	$86,835	$95,141	$93,699	$89,549
Juice	$81,086	$76,924	$73,877	$66,129	$58,106
Dried	$9,359	$11,227	$9,748	$7,389	$5,922
Frozen	$17,271	$16,774	$24,462	$22,127	$18,697
Fresh Slices	NA	NA	NA	$5,022	$9,651
Other Products	$5,393	$4,065	$8,064	$4,424	$5,848
TOTAL[1]	**$201,225**	**$196,096**	**$211,610**	**$198,823**	**$187,700**

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary,* various years.
[1] Sum of categories may not equal total due to rounding.

Table 15:
U.S. Apple Utilization Summary (000 42-lb. Units)

	2001/02	2002/03	2003/04	2004/05	2005/06		Forecast 2006/07
Fresh Production	**130,179**	**127,762**	**130,043**	**158,048**	**147,224**		**143,600**
Fresh Imports[1]	8,742	9,334	11,210	6,619	8,170	E	8,000
Imports as % of Fresh	7%	7%	9%	4%	6%		6%
Fresh Exports[1]	32,561	27,488	23,912	31,036	35,678	E	33,000
Exports as % of Fresh	25%	22%	18%	20%	24%		23%
Not Marketed	**5,090**	**3,567**	**2,145**	**1,888**	**2,438**		**2,390**
Total Processed[2]	**89,088**	**71,621**	**77,171**	**88,650**	**85,217**		**83,050**
Canned	29,933	25,683	29,419	29,945	28,619		29,000
Juice	46,298	35,221	34,155	44,667	42,438		39,385
Dried	5,262	4,950	4,338	4,781	4,788		4,785
Frozen	5,917	4,564	6,733	6,090	5,819		6,000
Fresh Slices[3]	NA	NA	NA	1,286	1,683		2,000
Other	1,679	1,202	2,526	1,881	1,869		1,880
Total Production	**224,357**	**202,950**	**209,360**	**248,586**	**234,879**		**229,040**

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary*, various years and Foreign Agricultural Service.
[1] Based on a marketing year of July through June.
[2] Sum of catagories may not equal total due to rounding.
[3] Fresh slices were added in 2004.
E = U.S. Apple Association estimate based on year-to-date shipments through May 2006.

■ Table 16:
U.S. Utilization, Movement and Storage Holdings (000 42-lb. Units)

	2003		2004		2005		2006 Forecast	
Utilization	**Quantity**	**%**	**Quantity**	**%**	**Quantity**	**%**	**Quantity**	**%**
Total Utilization								
Fresh Exports	23,912	11.4%	31,036	12.5%	35,678	15.2%	33,000	14.4%
Fresh Domestic	106,131	50.7%	127,012	51.1%	111,546	47.5%	110,600	48.3%
Processing	77,171	36.9%	88,650	35.7%	85,217	36.3%	83,050	36.3%
Not Marketed[1]	2,145	1.0%	1,888	.8%	2,438	1.0%	2,390	1.0%
Total Domestic Production	**209,360**	100.0%	**248,586**	100.0%	**234,879**	100.0%	**229,040**	100.0%
Estimated Fall Movement (Before Dec. 1)								
Fresh Exports	10,190		10,752		14,647		13,000	
Fresh Domestic	44,503		52,271		44,095		46,516	
Processing	35,402		38,849		40,452		39,734	
Not Marketed	2,145		1,888		2,438		2,390	
Total	**92,240**		**103,760**		**101,632**		**101,640**	
Estimated Storage Movement (After Dec. 1)								
Fresh Exports	13,722		20,284		21,031		20,000	
Fresh Domestic	61,628		74,741		67,451		64,084	
Processing	41,770		49,801		44,765		43,316	
Total	**117,119**		**144,825**		**133,247**		**127,400**	
Movement by Type of Storage								
From C.A. Storage	92,244		113,824		106,219		100,646	
From Regular Storage	24,875		31,001		27,028		26,754	
Total Holdings on Dec. 1	**117,119**		**144,825**		**133,247**		**127,400**	
Processor holdings	41,770		49,801		44,765		43,316	
Fresh Holdings	75,350		95,025		88,482		84,084	

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary.*
Storage and movement data and 2006 utilization estimate, U.S. Apple Association.

[1] All apples not marketed are assumed to be waste or shrinkage and are accounted for in the fall period (prior to Dec. 1).

Note: Totals may not add up due to rounding.

■ International Market Outlook

Fresh exports from the 2005 U.S. apple crop are estimated at 35.7 million bushels, a 15 percent increase from 2004 and 49 percent more than 2003. The value of U.S. fresh-apple exports from the 2005 crop increased to $528.7 million, up from $427.4 million the previous year.

Exports are an important factor in determining the overall economic conditions in the apple industry. In 2005, exports of 35.7 million bushels represented 24 percent of total fresh-market production. Exports forecast at 33 million bushels in 2006 will represent approximately 23 percent of fresh production.

According to USDA data, Mexico was the top-ranked market for U.S. apple exports from the 2005 crop. U.S. exporters shipped approximately 9.7 million bushels of apples to Mexico in 2005 as compared to 6.2 million exported to Mexico in 2004. Exports to Mexico now represent 27 percent of all U.S. exports.

Canada represents the second-largest market for U.S. apple exports. USApple estimates that 5.8 million bushels were shipped to Canada from the 2005 crop, as compared to 6.1 million bushels from the 2004 crop.

Table 17: ■
U.S. Apple Balance of Trade

	2001	2002	2003	2004	2005
VOLUME OF FRESH					
(000) 42-lb. Units					
Imports	8,742	9,334	11,210	6,619	8,170 E
Exports	32,561	27,488	23,912	31,036	35,678 E
Exports as percent of Fresh Crop	25%	22%	18%	20%	24%
Total Trade	**41,303**	**36,822**	**35,122**	**37,655**	**43,847**
U.S. Net	**23,820**	**18,154**	**12,701**	**24,417**	**27,508 E**
Exports as percent of total fresh trade	79%	75%	68%	82%	81%
Imported Concentrate Converted To Bushels Equivalent	98,524	111,393	125,209	130,975	118,384 E
TOTAL U.S. NET[1] (Fresh + Concentrate)	**-74,704**	**-93,239**	**-112,508**	**-106,558**	**-90,876**
VALUE OF FRESH ($000)					
Exports	$368,018	$344,240	$331,536	$427,367	$517,798 E
Imports	$104,583	$121,389	$178,959	$104,745	$130,855 E
U.S. Net	**$263,435**	**$222,851**	**$152,577**	**$322,622**	**$386,942 E**

Source: USDA, Foreign Agricultural Service. Exports and imports are based on a marketing year of July through June.
[1] Total U.S. Net = the U.S. net less the bushel equivalent of imported juice and concentrate from Table 11.
E = U.S. Apple Association estimate based on year-to-date data through May 2006.

Taiwan is the third-largest export market for U.S. exporters. Exports to Taiwan totaled 3 million bushels from the 2005 crop as compared to 2.3 million bushels in 2004.

Table 17 details the historic balance of apple trade. **Table 18** lists leading U.S. export markets. **Table 19** lists leading countries that export to the U.S. **Figure 8** illustrates yearly export totals. **Figure 9** illustrates yearly exports from 2001 to 2005. **Figure 10** details monthly exports from 2002 to 2005. **Figure 11** illustrates yearly import totals from 2001 to 2005. **Figure 12** details monthly imports from 2002 to 2005. **Figure 13** shows the percentage of the U.S. fresh-market crop that is exported, and **Figure 14** illustrates U.S. fresh apple imports as percent of fresh production.

2006 U.S. Trade Outlook

Based on a U.S. 2006 crop forecast of 229 million bushels, USApple expects apple exports from the 2006 crop to decrease slightly to 33 million bushels. This would be 7.5 percent less than the 35.7 million bushels exported in 2005. A decrease in exports is expected due to lighter fresh-apple supplies from Washington state compared to the 2005 crop.

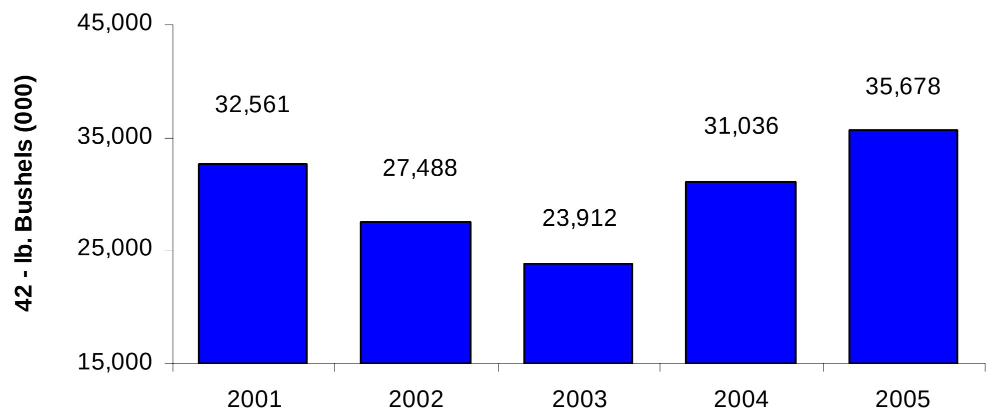
Imports of apples into the United States in 2006 are forecast by USApple at 8 million fresh-market cartons, a 2 percent decrease from 2005. Historical world apple-supply and utilization data for selected countries are provided in **Table 25**.

■ **Table 18:**
Top 20 U.S. Apple Export Markets (000 42-lb. Units)

Country	2001	2002	2003	2004	Estimate 2005	2005 Value (in 000 $)
Mexico	8,775	5,897	4,541	6,182	9,672	$131,807
Canada	4,889	5,921	5,059	6,134	5,766	$100,576
Taiwan	3,889	2,421	2,510	2,264	3,022	$49,350
Malaysia	1,198	1,934	1,700	1,300	1,829	$25,375
Indonesia	2,201	2,185	2,062	1,738	1,816	$22,626
Hong Kong	2,110	1,175	1,391	1,780	1,758	$25,184
United Kingdom	1,706	910	565	1,826	1,648	$34,347
India	542	85	147	1,202	1,403	$20,146
United Arab Emirates	888	358	334	1,434	1,244	$15,372
Saudi Arabia	570	106	45	1,047	1,045	$12,679
China, Peoples Republic	356	234	184	685	847	$11,490
Thailand	650	535	368	425	571	$7,975
Colombia	128	230	180	409	436	$5,023
Venezuela	569	23	38	301	426	$4,973
Guatemala	225	184	118	318	399	$4,641
Dominican Republic	493	141	167	290	342	$4,903
Singapore	234	279	174	323	320	$4,290
Panama	143	169	156	160	296	$3,791
Russian Federation	186	84	113	594	289	$4,283
Egypt	237	187	131	196	224	$3,423
Other	2,572	4,431	3,927	2,428	2,322	$36,431
Total Exports	32,561	27,488	23,912	31,036	35,678	$528,685

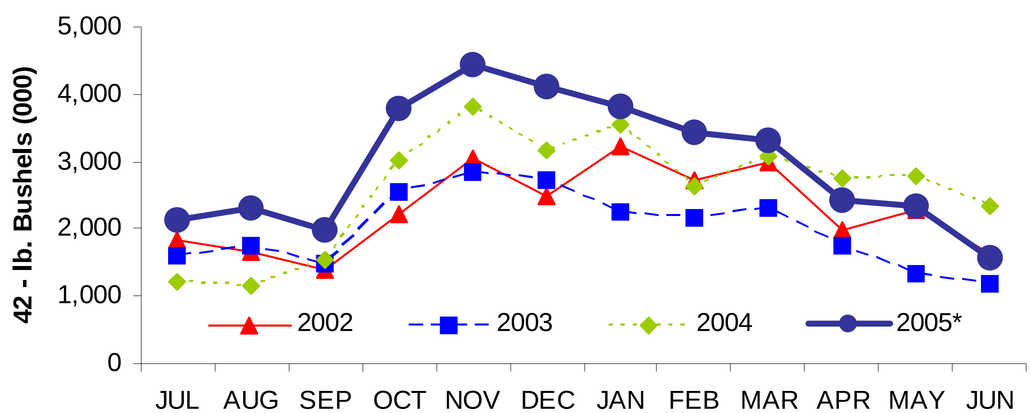
Source: USDA, Foreign Agricultural Service.
Exports are based on a marketing year of July through June.
U.S. Apple Association estimate based on year-to-date shipments through May 2006.

Figure 9:
U.S. Apple Exports



Source: U.S. Department of Commerce.
* U.S. Apple Association estimate based on year-to-date shipments through May.

Figure 10:
U.S. Apple Exports, by Month for Various Crop Years



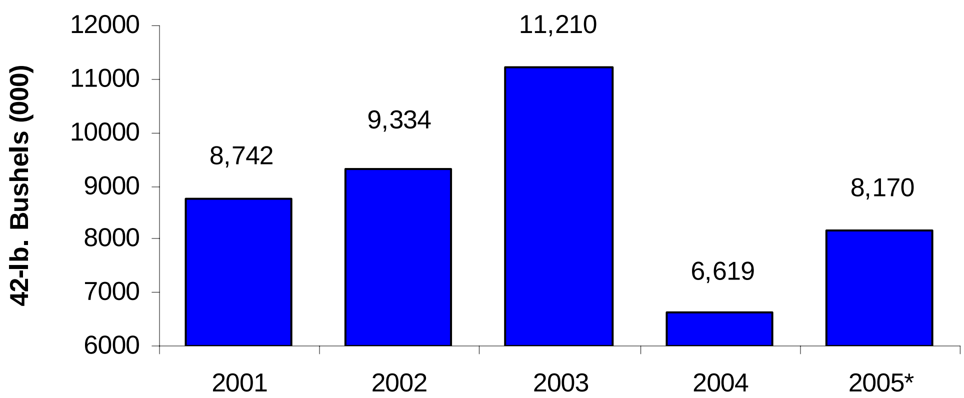
Source: U.S. Department of Commerce.
* June 2006 is a U.S. Apple Association estimate based on year-to-date shipments through May.

Table 19:
Top Five U.S. Apple-Importing Countries (000 42-lb. Units)

Country	2001	2002	2003	2004	Estimate 2005
Chile	3,231	4,171	5,626	3,226	3,833
New Zealand	3,033	2,403	3,566	1,629	2,211
Canada	2,050	2,399	1,617	1,594	1,938
Argentina	90	247	120	79	156
South Africa	324	101	156	59	16
Other	14	12	124	32	15
Total Imports	8,742	9,334	11,210	6,619	8,170

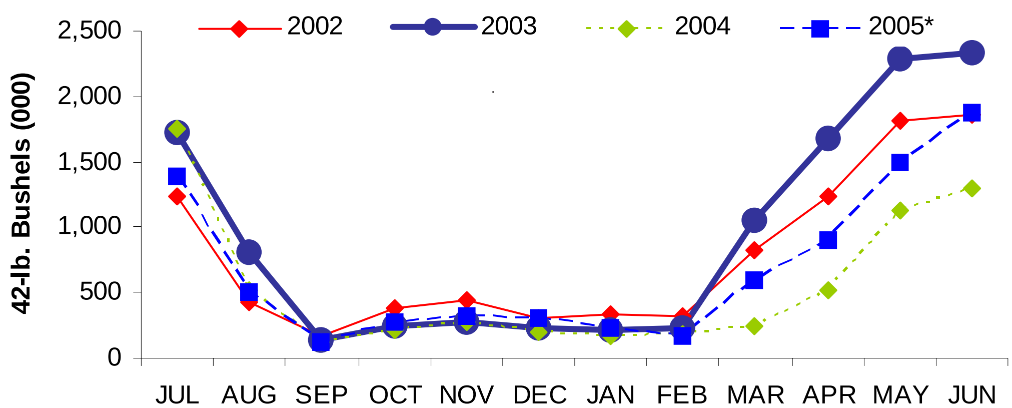
Source: USDA, Foreign Agricultural Service.
Exports are based on a marketing year of July through June.
U.S. Apple Association estimate based on year-to-date shipments through May 2006.

Figure 11:
U.S. Apple Imports, by Year (000 42-lb. Units)



Source: U.S. Department of Commerce.
* U.S. Apple Association estimate based on year-to-date shipments through May.

Figure 12:
Apple Imports, by Month for Various Crop Years



Source: U.S. Department of Commerce.
* June 2006 is a U.S. Apple Association estimate based on year-to-date shipments through May.

European Crop Outlook

Production in the major Western European apple-growing countries is forecast at 6.6 million metric tons (347 million bushels) this season. This information was developed for the annual Prognosfruit conference held in Budapest, Hungary, August 11-12, 2005.

The 2006 European forecast is 7 percent less than 2005, when production was 7.1 million metric tons. The projected 2006 crop is also 7 percent less than the five-year average.

Of the largest producers, Italian production is forecast to decrease by 6 percent from 2005, and French production is forecast to be down 10 percent from the previous year. German production is expected to be up 3 percent, while Spanish production is forecast to decrease 22 percent in 2006, compared to 2005. Production from the United Kingdom is expected to decrease 7 percent from last year's crop. In Eastern Europe, Poland is forecast to produce 2.1 million metric tons in 2006, 5 percent less than 2005 production, and 11 percent less than average production over the last five years. Hungary is expected to produce 455,000 metric tons, a 7 percent decrease from 2005 and 20 percent less than the five-year average.

In terms of varieties, European production of that region's most prevalent variety, Golden Delicious, is forecast at 2 million metric tons (102.6 million bushels), an 11 percent decrease from 2005, and 17 percent less than average production over the last five years. Gala, now the second largest variety produced in Europe, is expected

Table 20:
European Union Apple Production, By Country (000 Metric Tons)

	2001	2002	2003	2004	2005	2006 Forecast	5-Year Average	Change from 2005	Change from 5-Yr Avg.
Italy	2,181	2,172	2,153	2,032	2,071	1,949	2,122	**-6%**	**-8%**
France	1,938	1,966	1,728	1,708	1,769	1,584	1,822	**-10%**	**-13%**
Germany	922	763	818	945	925	955	875	**+3%**	**+9%**
Spain	806	646	704	553	701	550	682	**-22%**	**-19%**
Netherlands	475	370	405	435	380	347	413	**-9%**	**-16%**
Belgium	337	349	319	356	317	339	336	**+7%**	**+1%**
Greece	194	244	165	282	265	267	230	**+1%**	**+16%**
Portugal	265	300	287	277	249	249	276	**NC**	**-10%**
United Kingdom	212	124	156	163	192	178	169	**-7%**	**+5%**
Austria	156	163	152	163	173	161	161	**-7%**	**NC**
Denmark	29	25	25	26	26	27	26	**+4%**	**+3%**
TOTAL	**7,514**	**7,122**	**6,914**	**6,940**	**7,069**	**6,607**	**7,112**	**-7%**	**-7%**

Source: Prognosfruit.
Note: Sum of country totals may not add to total due to rounding.
NC = No change
Smaller producing countries were omitted from this year's report due to lack of relevant data.

to reach 783,000 metric tons (41.1 million bushels) in 2006. European Gala production is expected to be up 10 percent from the five-year average. Red Delicious production, forecast at 565,000 metric tons (29.7 million bushels), is down 7 percent from last year and also down 7 percent from the five-year average. Jonagold, a popular European variety, is forecast to decrease 5 percent from 2005. Elstar production is forecast to decrease 8 percent from 2005, while Granny Smith production is expected to be down 6 percent.

Table 20 and **21** show historical European production by country and **Table 22** denotes historical European production by variety.

Table 21:
Other European Apple Production, By Country (000 Metric Tons)

	2001	2002	2003	2004	2005	2006 Forecast	5-Year Average	Change from 2005	Change from 5-Yr Avg.
Poland	2,484	2,168	2,428	2,522	2,200	2,100	2,360	**-5%**	**-11%**
Hungary	605	527	550	668	487	455	567	**-7%**	**-20%**
Czech Republic	141	163	152	164	138	170	152	**+23%**	**+12%**
Lithuania	155	82	97	34	97	130	93	**+34%**	**+40%**
Slovenia	38	42	62	60	58	50	52	**-14%**	**-4%**
Latvia	36	50	36	7	38	32	33	**-16%**	**-4%**
Estonia	15	17	5	2	11	10	10	**-9%**	**NC**
TOTAL	**3,474**	**3,049**	**3,330**	**3,457**	**3,029**	**2,947**	**3,268**	**-3%**	**-10%**

Source: Prognosfruit.
NC = No change
Smaller producing countries were omitted from this year's report due to lack of relevant data.

Canadian Crop Outlook

Total Canadian apple production from the 2006 crop is forecast at 21.6 million bushels, a 13 percent decrease from the 2005 harvest. Compared to the five-year average, 2006 production is expected to decrease 11 percent. Ontario production is slated to decrease to 8.6 million bushels in 2006, down 16 percent from 2005, and also down 16 percent from the five-year average. British Columbia production is expected to decrease to 5.7 million bushels in 2006, down 17 percent from 2005, and down 12 percent from the five-year average. Quebec production is forecast at 4.9 million bushels in 2006, down 5 percent from 2005, and down 4 percent from the five-year average. Nova Scotia production is estimated at 2.3 million bushels, down 10 percent from 2005, and 2 percent less than the five-year average. In New Brunswick, production is expected to reach 177,000 bushels, down 7 percent from 2005, and down 24 percent from the five-year average.

Varietal production in Canada is dominated by McIntosh, which makes up approximately 36 percent of total Canadian apple production. The 2006 McIntosh crop in Canada is forecast to decrease 15 percent from 2005. Gala, which is the second-most grown variety this year, is up 4 percent. Red Delicious, historically a widely grown variety, is expected to decrease 16 percent from 2005. The forecast for other important varieties compared to 2004 follows: Empire down 16 percent, Spartan down 10 percent, Spy down 25 percent, Idared down 12 percent, and Cortland down 6 percent.

Table 23 shows historical Canadian apple production by province, and **Table 24** shows Canadian apple production by variety.

■ **Table 22:**
European Union Apple Production, By Variety (000 Metric Tons)

	2001	2002	2003	2004	2005	2006 Forecast	5-Year Average	Change from 2005	Change from 5-Yr Avg.
Golden Delicious	2,622	2,499	2,294	2,133	2,202	1,954	2,350	**-11%**	**-17%**
Gala	677	707	626	719	828	783	711	**-5%**	**+10%**
Red Delicious	676	613	497	631	609	565	605	**-7%**	**-7%**
Jonagold	613	598	571	599	539	512	584	**-5%**	**-12%**
Elstar	395	336	340	430	371	343	374	**-8%**	**-8%**
Granny Smith	347	352	307	308	314	294	326	**-6%**	**-10%**
Braeburn	210	246	238	289	294	258	255	**-12%**	**+1%**
Jonagored	150	134	156	177	190	209	161	**+10%**	**+29%**
Fuji	71	82	78	94	129	141	91	**+9%**	**+55%**
Boskoop	142	88	91	110	103	109	107	**+6%**	**+2%**
Morgenduft	137	128	67	126	123	97	116	**-21%**	**-17%**
Idared	122	116	107	118	102	94	113	**-8%**	**-17%**
Cox Orange	163	83	104	90	111	90	110	**-19%**	**-18%**
Bramley	99	60	64	90	83	83	79	**+0%**	**+5%**
Renette	92	97	78	83	92	78	88	**-15%**	**-12%**
Pink Lady	45	55	50	54	65	66	54	**+2%**	**+23%**
Annurca	83	75	57	55	68	50	68	**-26%**	**-26%**
Gloster	88	51	55	48	42	37	57	**-12%**	**-35%**
Stayman	34	30	17	21	23	20	25	**-13%**	**-20%**
Other	748	772	1,117	767	781	825	837	**+6%**	**-1%**
TOTAL	**7,514**	**7,122**	**6,914**	**6,940**	**7,069**	**6,607**	**7,112**	**-7%**	**-7%**

Source: Prognosfruit.
Note: Column totals reflect production listed in Table 20.

Table 23:
Canadian Apple Production, By Province (000 42-lb. Units)

Province	2001	2002	2003	2004	2005	2006 Forecast	5-Year Average	Change From 2005	Change From 5-Yr Avg.
Ontario	12,680	9,293	10,570	8,498	10,159	8,572	10,240	-16%	-16%
British Columbia	6,320	6,503	5,830	6,928	6,829	5,673	6,482	-17%	-12%
Quebec	5,015	4,867	4,451	6,024	5,213	4,934	5,114	-5%	-4%
Nova Scotia	2,200	2,650	2,100	2,000	2,500	2,250	2,290	-10%	-2%
New Brunswick	298	225	237	216	190	177	233	-7%	-24%
Total	**26,020**	**23,538**	**23,188**	**23,667**	**24,891**	**21,606**	**24,261**	**-13%**	**-11%**

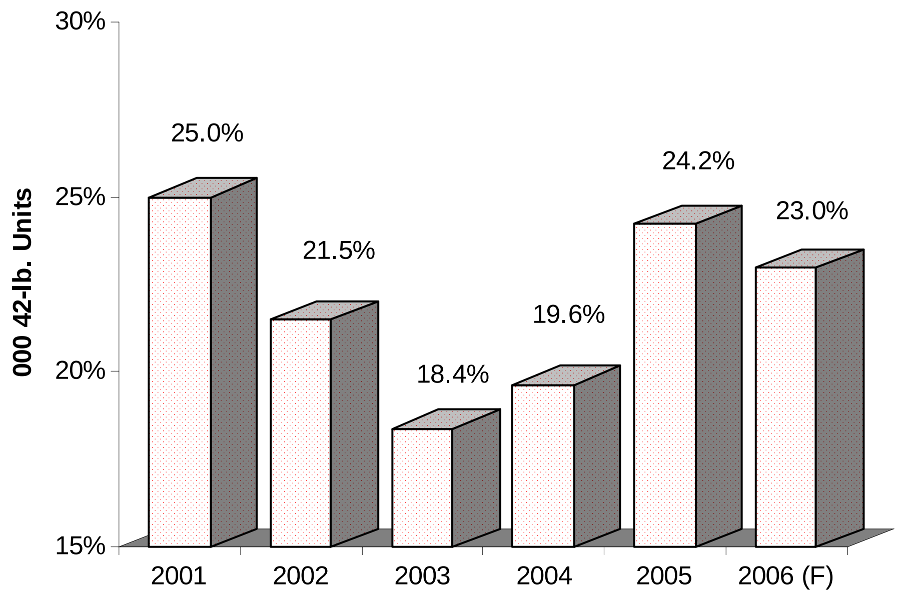
Source: The Ontario Ministry of Agriculture and Rural Affairs, Federation des Producteurs de Pommes du Quebec, New Brunswick Apple Marketing Board and Nova Scotia Fruit Growers Association.
British Columbia data are adjusted BC Tree Fruit Estimates.

Table 24:
Canadian Apple Production, By Variety (000 42-lb. Units)

	British Columbia		Ontario		Quebec		New Brunswick		Nova Scotia		Canadian Total	
	2005	2006 (F)	2005	2006 (F)	2005	2006 (F)	2005	2006 (F)	2005	2006 (F)	2005	2006 (F)
McIntosh	1,306	836	3,382	2,915	3,451	3,049	107	96	960	950	9,206	7,846
Gala	1,805	1,865	155	170	0	0	0	0	0	0	1,960	2,035
Red Delicious	1,156	953	1,022	877	0	0	0	0	100	90	2,278	1,920
Empire	22	18	1,906	1,554	137	165	0	0	0	0	2,065	1,736
Spartan	1,093	910	232	227	333	366	0	0	60	50	1,718	1,552
Spy	0	0	1,461	1,099	0	0	0	0	300	225	1,761	1,324
Idared	0	0	862	766	0	0	0	0	200	175	1,062	941
Cortland	0	0	98	84	378	392	48	48	350	300	875	824
Golden Delicious	525	329	190	159	0	0	0	0	0	0	715	488
Fuji	312	249	10	7	0	0	0	0	0	0	322	256
Ambrosia	188	247									188	247
Crispin/Mutsu	0	0	263	213	0	0	0	0	0	0	263	213
Granny Smith	123	154	0	0	0	0	0	0	0	0	123	154
Gravenstain	0	0	0	0	0	0	0	0	130	110	130	110
Jonagold	80	39	43	22	0	0	0	0	0	0	124	61
Braeburn	67	34	0	0	0	0	0	0	0	0	67	34
Elstar	6	3	0	0	0	0	0	0	0	0	6	3
Others	144	38	533	480	914	962	35	33	400	350	2,026	1,863
Total	**6,829**	**5,673**	**10,159**	**8,572**	**5,213**	**4,934**	**190**	**177**	**2,500**	**2,250**	**24,891**	**21,606**

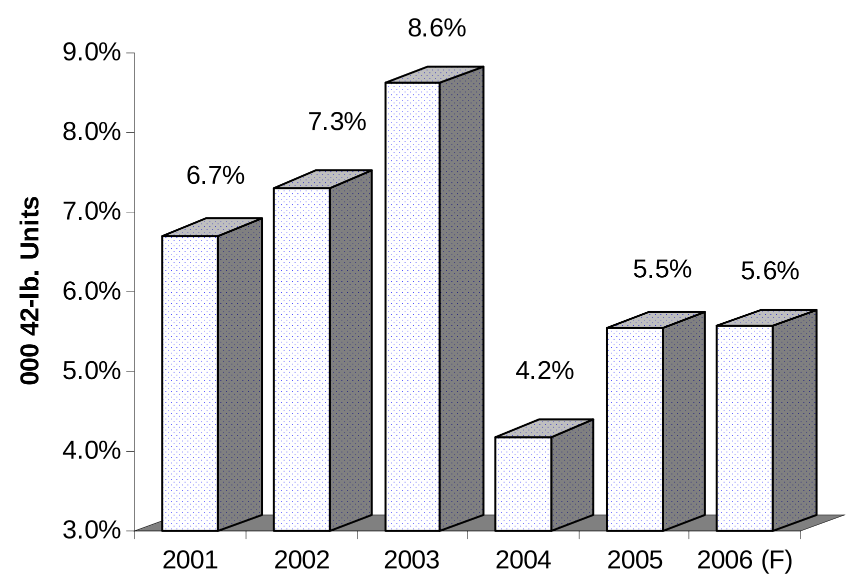
Source: The Ontario Ministry of Agriculture and Rural Affairs, Federation des Producteurs de Pommes du Quebec, New Brunswick Apple Marketing Board, and Nova Scotia Fruit Growers Association.
British Columbia data are adjusted BC Tree Fruit estimates.
Data for all provinces include processing apples in each variety estimate.
Note: Columns may not add to total due to rounding.
F = Forecast

■ **Figure 13:**
U.S. Fresh Apple Exports as Percent of Fresh Production



Source: USDA, Foreign Agricultural Service.
Marketing year is July through June.
F = Forecast.

■ **Figure 14:**
U.S. Fresh Apple Imports as Percent of Fresh Production



Source: USDA, Foreign Agricultural Service.
Marketing year is July through June.
F = Forecast.

Table 25:
Apple Supply and Utilization in Selected Major Producing and Trading Countries (Metric Tons)

Country/ Marketing Year	Total Production	Total Imports	Total Supply/ Distribution	Fresh Domestic Consumption	Exports, Fresh Only	Total Processed	Withdrawals
Argentina							
2001/2002	900,000	369	900,369	375,369	165,000	360,000	0
2002/2003	1,000,000	140	1,000,140	349,640	200,500	450,000	0
2003/2004	900,000	300	900,300	244,300	206,000	450,000	0
2004/2005	1,200,000	50	1,200,050	250,050	270,000	680,000	0
2005/2006	1,210,000	100	1,210,100	260,100	230,000	720,000	0
Australia							
2001/2002	320,526	0	320,526	138,000	25,670	156,856	0
2002/2003	326,000	0	326,000	135,000	32,099	158,901	0
2003/2004	255,000	0	255,000	110,000	10,177	134,823	0
2004/2005	330,200	0	330,200	150,000	13,230	166,970	0
2005/2006	285,000	0	285,000	120,000	12,000	153,000	0
Belgium-Luxembourg							
2001/2002	343,564	232,811	576,375	181,423	330,395	64,400	157
2002/2003	352,617	257,528	610,145	182,573	367,238	60,000	334
2003/2004	322,100	257,000	579,100	179,000	340,000	60,000	100
2004/2005	0	0	0	0	0	0	0
2005/2006	0	0	0	0	0	0	0
Brazil							
2001/2002	857,340	53,487	910,827	844,900	65,927	0	0
2002/2003	825,000	56,162	881,162	808,642	72,520	0	0
2003/2004	0	0	0	0	0	0	0
2004/2005	0	0	0	0	0	0	0
2005/2006	0	0	0	0	0	0	0
Canada							
2001/2002	466,602	122,053	588,655	345,127	59,578	183,950	0
2002/2003	402,454	144,768	547,222	335,348	61,874	150,000	0
2003/2004	379,192	135,920	515,112	367,528	41,704	105,880	0
2004/2005	370,338	146,320	516,658	373,511	48,147	95,000	0
2005/2006	360,000	150,000	510,000	370,000	45,000	95,000	0
Chile							
2001/2002	1,010,000	0	1,010,000	110,000	548,194	351,806	0
2002/2003	1,090,000	20	1,090,020	113,612	596,408	380,000	0
2003/2004	1,252,000	17	1,252,017	118,111	738,906	395,000	0
2004/2005	1,120,000	15	1,120,015	115,000	635,000	370,015	0
2005/2006	1,210,000	15	1,210,015	138,015	685,000	387,000	0
China							
2001/2002	20,014,986	50,003	20,064,989	17,704,937	360,052	2,000,000	0
2002/2003	19,241,000	51,256	19,292,256	15,892,353	499,903	2,900,000	0
2003/2004	21,100,000	36,853	21,136,853	16,628,447	708,406	3,800,000	0
2004/2005	23,675,000	36,945	23,711,945	17,994,935	842,010	4,875,000	0
2005/2006	20,400,000	33,600	20,433,600	15,453,600	780,000	4,200,000	0

(continued on page 34)

■ Table 25 (continued)

Country/ Marketing Year	Total Production	Total Imports	Total Supply/ Distribution	Fresh Domestic Consumption	Exports, Fresh Only	Total Processed	Withdrawals
France							
2001/2002	2,055,000	105,000	2,160,000	1,045,000	750,000	310,000	55,000
2002/2003	2,060,000	95,000	2,155,000	1,050,000	720,000	310,000	75,000
2003/2004	2,080,000	90,000	2,170,000	1,060,000	720,000	310,000	80,000
2004/2005	0	0	0	0	0	0	0
2005/2006	0	0	0	0	0	0	0
Germany							
2001/2002	1,522,433	680,604	2,203,037	1,452,892	66,555	683,000	590
2002/2003	1,562,800	851,491	2,414,291	1,580,567	65,705	768,000	19
2003/2004	1,518,000	768,822	2,286,822	1,475,000	77,622	734,200	0
2004/2005	1,945,000	708,759	2,653,759	1,620,247	88,225	945,000	287
2005/2006	1,410,000	740,000	2,150,000	1,462,000	88,000	600,000	0
Greece							
2001/2002	260,000	18,000	278,000	237,000	20,000	1,000	20,000
2002/2003	235,000	16,000	251,000	230,000	16,000	1,500	3,500
2003/2004	202,500	21,000	223,500	201,000	17,000	2,000	3,500
2004/2005	275,000	23,000	298,000	250,000	32,000	3,000	13,000
2005/2006	280,000	22,000	302,000	252,000	35,000	3,200	11,800
Hungary							
2001/2002	605,000	4,100	609,100	135,000	24,500	449,600	0
2002/2003	540,000	9,210	549,210	145,000	9,000	395,210	0
2003/2004	500,000	11,000	511,000	140,000	8,000	363,000	0
2004/2005	666,000	4,000	670,000	147,000	12,600	510,400	0
2005/2006	450,000	3,100	453,100	180,100	16,000	257,000	0
Italy							
2001/2002	2,220,000	52,000	2,272,000	1,232,500	659,000	370,000	10,500
2002/2003	2,206,000	53,618	2,259,618	1,213,941	670,677	375,000	0
2003/2004	1,877,524	77,244	1,954,768	1,032,000	622,768	300,000	0
2004/2005	2,061,206	67,492	2,128,698	1,122,697	606,001	400,000	0
2005/2006	2,120,000	62,000	2,182,000	1,122,000	660,000	400,000	0
Japan							
2001/2002	930,700	349	931,049	776,203	6,546	148,300	0
2002/2003	925,800	108	925,908	768,705	12,203	145,000	0
2003/2004	842,100	0	842,100	681,468	15,632	145,000	0
2004/2005	754,600	17	754,617	598,881	10,736	145,000	0
2005/2006	870,000	0	870,000	710,000	15,000	145,000	0
Mexico							
2001/2002	442,679	189,581	632,260	542,260	0	90,000	0
2002/2003	479,616	170,808	650,424	560,424	0	90,000	0
2003/2004	493,850	149,338	643,188	551,188	0	92,000	0
2004/2005	572,906	174,000	746,906	654,906	0	92,000	0
2005/2006	495,000	150,000	645,000	558,000	0	87,000	0
Netherlands							
2001/2002	500,000	300,528	800,528	325,528	360,000	85,000	30,000
2002/2003	370,000	296,000	666,000	314,000	265,000	77,000	10,000
2003/2004	385,000	290,000	675,000	310,000	270,000	85,000	10,000
2004/2005	0	0	0	0	0	0	0
2005/2006	0	0	0	0	0	0	0

(continued on page 35)

Table 25 (continued)

Country/ Marketing Year	Total Production	Total Imports	Total Supply/ Distribution	Fresh Domestic Consumption	Exports, Fresh Only	Total Processed	Withdrawals
New Zealand							
2001/2002	480,000	70	480,070	70,070	325,000	85,000	0
2002/2003	495,000	350	495,350	65,075	327,000	103,275	0
2003/2004	550,000	360	550,360	56,000	358,000	136,360	0
2004/2005	503,000	350	503,350	55,150	319,000	129,200	0
2005/2006	488,000	350	488,350	56,000	300,000	132,350	0
Poland							
2001/2002	2,710,000	12,100	2,722,100	653,200	245,900	1,823,000	0
2002/2003	2,168,000	7,500	2,175,500	500,100	386,400	1,289,000	0
2003/2004	2,427,800	14,000	2,441,800	517,000	389,900	1,534,900	0
2004/2005	2,440,000	8,000	2,448,000	517,000	531,000	1,400,000	0
2005/2006	2,300,000	6,000	2,306,000	506,000	450,000	1,350,000	0
Russia							
2001/2002	1,227,600	330,950	1,558,550	770,000	1,455	770,000	17,095
2002/2003	1,722,500	443,563	2,166,063	920,136	984	1,209,100	35,843
2003/2004	1,488,800	689,000	2,177,800	925,000	1,885	1,236,800	14,115
2004/2005	1,796,400	870,234	2,666,634	1,256,634	1,000	1,395,000	14,000
2005/2006	1,660,000	1,180,000	2,840,000	1,365,000	900	1,450,000	24,100
Slovakia							
2001/2002	55,817	23,755	79,572	47,612	6,960	25,000	0
2002/2003	51,172	29,992	81,164	47,769	6,895	26,500	0
2003/2004	60,685	32,967	93,652	48,500	6,165	38,987	0
2004/2005	41,594	29,903	71,497	48,500	5,361	17,636	0
2005/2006	39,093	30,000	69,093	48,500	5,000	15,593	0
South Africa							
2001/2002	591,414	20	591,434	152,779	257,583	181,072	0
2002/2003	681,953	7	681,960	175,923	326,045	179,992	0
2003/2004	769,309	2	769,311	181,004	305,664	282,643	0
2004/2005	658,940	0	658,940	180,016	226,614	252,310	0
2005/2006	725,000	0	725,000	185,000	290,000	250,000	0
Spain							
2001/2002	962,000	176,376	1,138,376	751,636	119,540	235,000	32,200
2002/2003	651,200	271,125	922,325	730,000	69,086	103,339	19,900
2003/2004	888,101	239,348	1,127,449	840,000	115,488	159,633	12,328
2004/2005	603,000	270,539	873,539	697,000	87,706	85,000	3,833
2005/2006	795,600	220,000	1,015,600	770,000	100,000	140,000	5,600
Sweden							
2001/2002	63,103	79,023	142,126	135,868	1,258	5,000	0
2002/2003	55,005	80,502	135,507	129,616	891	5,000	0
2003/2004	51,500	92,795	144,295	137,846	1,449	5,000	0
2004/2005	46,000	94,000	140,000	133,800	1,200	5,000	0
2005/2006	0	0	0	0	0	0	0
Taiwan							
2001/2002	8,180	121,912	130,092	130,022	0	0	70
2002/2003	9,720	110,099	119,819	119,749	0	0	70
2003/2004	3,425	111,330	114,755	114,685	0	0	70
2004/2005	6,718	115,354	122,072	122,027	0	0	45
2005/2006	6,520	115,000	121,520	121,475	0	0	45

(continued on page 36)

■ Table 25 (continued)

Country/ Marketing Year	Total Production	Total Imports	Total Supply/ Distribution	Fresh Domestic Consumption	Exports, Fresh Only	Total Processed	Withdrawals
Turkey							
2001/2002	2,450,000	2,892	2,452,892	2,312,287	18,605	122,000	0
2002/2003	2,200,000	2,820	2,202,820	2,075,620	17,200	110,000	0
2003/2004	2,600,000	2,540	2,602,540	2,450,520	22,020	130,000	0
2004/2005	2,100,000	3,600	2,103,600	1,977,500	21,100	105,000	0
2005/2006	2,500,000	3,000	2,503,000	2,353,000	25,000	125,000	0
United Kingdom							
2001/2002	169,140	432,320	601,460	541,220	16,240	44,000	0
2002/2003	111,380	494,440	605,820	560,020	13,300	32,500	0
2003/2004	143,850	485,250	629,100	560,850	20,750	47,500	0
2004/2005	204,650	516,900	721,550	628,450	16,800	76,300	0
2005/2006	198,500	495,000	693,500	612,550	19,200	61,750	0
United States							
2001/2002	4,274,204	166,540	4,440,744	2,123,420	620,324	1,697,000	0
2002/2003	3,866,379	177,815	4,044,194	2,156,165	523,578	1,364,451	0
2003/2004	3,988,483	213,568	4,202,051	2,276,329	455,539	1,470,183	0
2004/2005	4,740,312	126,034	4,866,346	2,588,217	587,000	1,691,129	0
2005/2006	4,476,775	175,000	4,651,775	2,437,210	620,000	1,594,565	0
World Grand Total							
2001/2002	45,440,288	3,154,843	48,595,131	33,134,253	5,054,282	10,240,984	165,612
2002/2003	43,628,596	3,620,322	47,248,918	31,159,978	5,260,506	10,683,768	144,666
2003/2004	45,079,219	3,718,654	48,797,873	31,205,776	5,453,075	12,018,909	120,113
2004/2005	46,110,864	3,195,512	49,306,376	31,481,521	4,354,730	13,438,960	31,165
2005/2006	42,279,488	3,385,165	45,664,653	29,080,550	4,376,100	12,166,458	41,545

Source: USDA Foreign Agricultural Service, World Horticultural Trade & U.S. Export Opportunities, June 2006

Note: Data for the Northern Hemisphere countries are July/June marketing year, except for Mexico and France which are August/July. In the Southern Hemisphere the marketing year begins on January 1 of the second year indicated, except for Chile, where the marketing year starts on February 1 of the second year indicated, and New Zealand, where the year starts on October 1 of the first year indicated.

U.S. export and import forecast are based on trends during recent years and trade contracts.

Table 26:
World Trade of Concentrated Apple Juice, By Country (Metric Tons at 70/71-Degrees Brix)

Country/ Marketing Year	Total Production	Total Imports	Total Supply/ Distribution	Exports	Domestic Consumption	Ending Stocks
Argentina						
2001/2002	53,000	106	64,831	28,132	6,000	30,699
2002/2003	62,000	500	75,833	63,600	2,000	10,233
2003/2004	50,000	600	60,833	45,000	2,000	13,833
2004/2005	65,000	500	79,333	60,000	4,000	15,333
2005/2006 (F)	66,000	500	81,833	65,000	3,000	13,833
Chile						
2001/2002	43,200	0	43,533	42,525	500	508
2002/2003	57,000	0	57,753	56,800	500	453
2003/2004	59,000	0	59,453	54,424	600	4,429
2004/2005	55,400	0	59,829	59,000	600	229
2005/2006 (F)	58,000	0	58,229	57,100	600	529
China						
2001/2002	250,000	622	295,069	264,555	23,514	7,000
2002/2003	395,000	520	402,520	370,128	30,000	2,392
2003/2004	519,000	360	521,752	484,692	35,688	1,372
2004/2005	650,000	803	652,175	556,152	44,976	51,047
2005/2006 (F)	585,000	200	636,247	580,000	42,000	14,247
Germany						
2001/2002	63,000	363551	615,551	118,867	310,684	186,000
2002/2003	75,300	409,342	670,642	130,823	352,819	187,000
2003/2004	78,100	455,773	720,873	132,102	402,771	186,000
2004/2005	91,520	378,876	656,396	138,849	397,547	120,000
2005/2006 (F)	56,000	480,000	656,000	130,000	396,000	130,000
Hungary						
2001/2002	70,000	10,000	80,000	50,000	30,000	0
2002/2003	50,000	7,000	57,000	29,000	28,000	0
2003/2004	48,000	9,000	57,000	23,000	34,000	0
2004/2005	66,000	5,000	71,000	25,000	46,000	0
2005/2006 (F)	33,000	6,000	39,000	19,000	20,000	0
Italy						
2001/2002	62,000	45,000	107,000	92,000	5,000	10,000
2002/2003	60,000	40,000	110,000	95,000	5,000	10,000
2003/2004	48,000	25,000	83,000	70,000	7,500	5,500
2004/2005	62,000	20,000	87,500	70,000	11,000	6,500
2005/2006 (F)	62,000	15,000	83,500	70,000	12,000	1,500
New Zealand						
2001/2002	14,450	1,700	16,150	7,500	8,650	0
2002/2003	17,600	2,500	20,100	11,100	9,000	0
2003/2004	23,000	6,000	29,000	11,300	17,700	0
2004/2005	22,000	6,400	28,400	12,000	16,400	0
2005/2006 (F)	22,500	6,200	28,700	12,100	16,600	0

(continued on page 38)

Table 26 (continued)

Country/ Marketing Year	Total Production	Total Imports	Total Supply/ Distribution	Exports	Domestic Consumption	Ending Stocks
Poland						
2001/2002	205,000	5,000	214,000	187,000	22,000	5,000
2002/2003	215,000	2,600	222,600	197,600	22,000	3,000
2003/2004	230,000	6,033	239,033	226,022	9,000	4,011
2004/2005	225,806	10,000	239,817	227,817	9,000	3,000
2005/2006 (F)	217,700	11,300	232,000	220,000	9,000	3,000
South Africa						
2001/2002	28,000	6,000	34,000	24,750	9,250	0
2002/2003	30,000	5,579	35,579	15,126	20,453	0
2003/2004	39,500	3,000	42,500	18,000	24,500	0
2004/2005	35,323	3,100	38,423	16,200	22,223	0
2005/2006 (F)	35,000	3,000	38,000	16,100	21,900	0
Spain						
2001/2002	25,000	3,090	30,090	14,318	7,572	8,200
2002/2003	15,142	5,892	29,234	16,328	7,500	5,406
2003/2004	26,500	8,586	40,492	27,449	11,000	2,043
2004/2005	11,000	14,571	27,614	13,631	12,000	1,983
2005/2006 (F)	19,000	11,000	31,983	17,000	13,000	1,983
United States						
2001/2002	119,912	256,806	376,718	5,648	371,070	0
2002/2003	91,122	290,504	381,626	8,756	372,870	0
2003/2004	88,347	278,501	366,848	2,592	364,256	0
2004/2005	115,759	299,915	415,674	2,944	412,730	0
2005/2006 (F)	109,133	312,741	421,874	3,405	418,469	0
World Grand Total						
2002/2003	1,068,164	764,437	2,062,887	994,261	850,142	218,484
2003/2004	1,209,447	792,853	2,220,784	1,094,581	909,015	217,188
2004/2005	1,399,808	739,165	2,356,161	1,181,593	976,476	198,092
2005/2006 (F)	1,263,333	845,941	2,307,366	1,189,705	952,569	165,092

Source: USDA Foreign Agricultural Service, Production, Supply and Distribution Tables

Note: The marketing year for Northern Hemisphere countries is July/June, except for Italy, which is August/July. In the Southern Hemisphere the marketing year is January/December except for New Zealand, where the marketing year is October/September. U.S. stocks figures are not available. U.S. apple juice production is estimated using the proportion of the fresh apple crop that is processed into juice and cider.

U.S. export and import data are from the U.S. Department of Commerce.

■ Appendix A:
Monthly Apple Juice Concentrate Prices, 1990-2005
(US$ per 70-Brix Gallon)

1990[1]	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
	7.91	6.58	6.34	5.70	5.29	5.24	5.08	4.99	5.32	5.25	5.70	6.28
1991	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
	7.25	7.25	7.50	9.75	9.75	9.75	11.50	9.50	9.25	10.00	12.25	14.00
1992	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
	12.75	12.25	10.75	10.75	10.25	10.25	9.15	8.15	8.00	7.75	7.75	7.50
1993	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
	7.35	6.80	5.95	5.95	5.95	5.70	5.50	5.65	5.65	5.50	4.80	4.80
1994[2]	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
	4.20	4.20	4.50	4.50	4.50	4.75	4.75	4.85	5.50	7.00	7.00	6.75
	4.60	4.60	4.70	4.70	4.70	4.85	4.85	5.00	----	----	7.25	7.00
1995[3]	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
European, Ex-Dock, NY	6.75	----	7.50	----	----	----	----	11.50	12.00	----	11.75	10.50
	7.00	7.00	7.60	NA	NA	NA	NA	12.00	12.50	12.50	12.00	11.00
South American, Ex-Dock, NY	NA	NA	7.20	8.35	10.40	10.50	10.60	10.60	11.00	----	11.75	10.50
			7.40	8.75	10.80	11.20	10.80	10.80	11.40	12.50	12.00	11.00
U.S.A. FOB, Northwest	NA	NA	NA	NA	NA	NA	NA	NA	11.50	11.50	11.00	10.75
1996	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
European, Ex-Dock, NY	9.25	9.25	9.90	9.90	9.90	----	----	8.50	7.50	7.90	8.25	8.25
	10.00	10.00	10.00	10.00	10.00	----	----	9.00	8.25	8.50	8.70	8.70
South American, Ex-Dock, NY	10.00	9.50	10.00	9.80	9.80	9.80	9.50	9.00	8.50	----	----	----
	10.50	9.75	10.50	11.00	10.00	10.00	10.00	9.50	----			
U.S.A. FOB, Northwest	10.30	10.00	11.25	11.50	----	----	----	----	----	8.75	9.25	9.25
1997	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
European, Ex-Dock, NY	8.00	7.50	----	----	6.70	----	----	----	----	6.30	----	5.25
	8.25	7.90	7.50	7.50	7.00	7.40				6.50	5.75	5.75
South American, Ex-Dock, NY	----	----	7.00	7.00	6.75	6.90	6.90	6.90	6.50	6.50	5.50	5.50
			7.25	7.15	6.80	7.10	7.10	7.10	6.75	----	5.75	5.75
Chinese, Ex-Dock, NY[4]												5.00
												5.25
U.S.A. FOB, Northwest	9.25	----	----	----	----	8.00	----	----	----	----	7.25	6.00
1998	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
European, Ex-Dock, NY	5.25	5.25	4.75	4.50	4.50	4.50	4.50	4.50	4.50	6.00	NA	NA
	5.75		5.25	4.75	4.75	4.80	4.80	4.80	4.80			
South American, Ex-Dock, NY	----	5.00	4.70	4.75	4.50	4.50	4.50	4.50	4.50	4.50	4.75	4.75
		5.25	5.00	5.00	4.75	4.80	4.80	4.80	4.80	5.10	4.90	4.90
Chinese, Ex-Dock, NY[4]	4.00	4.00	4.00	4.00	3.50	3.50	4.00	4.00	4.00	4.00	4.00	4.25
	5.25	5.00	5.00		4.15	4.50	4.20	4.25	4.20	4.25	4.25	4.75
U.S.A. FOB, Northwest	5.80	5.80	5.90	5.90	6.00	6.00	6.00	6.00	6.00	4.25	4.25	4.25

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Appendix A: ■
Monthly Apple Juice Concentrate Prices, 1990-2005 (continued)
(US$ per 70 Brix Gallon)

1999	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
European, Ex-Dock, NY	7.50	7.50	7.50	5.75 7.50	5.75 6.25	5.75 6.25	5.75 6.25	5.75 6.25	5.75 6.50	7.90 8.50	7.90 8.50	7.90 8.50
South American, Ex-Dock, NY	5.50 6.00	5.50 6.00	5.50 6.00	5.50 5.75	5.50 5.75	5.50 5.75	5.25 5.50	5.25 5.50	5.25 5.75			
Chinese, Ex-Dock, NY[4]	4.25 5.00	4.25 5.00	4.25 5.00	4.10 4.90	4.15 4.90	4.15 4.90	4.15 4.90	4.15 4.90	4.25 5.00			
U.S.A. FOB, Northwest	4.25	4.25	4.75 5.00	4.75	4.75	4.75	4.75	4.75	5.00	7.00	7.00	7.00

2000	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
European, Ex-Dock, NY	7.90 8.50	7.90 8.50	7.90 8.50	7.90 8.50		6.20 6.80	6.20 6.80	5.75 6.00	5.50 6.00	5.25 5.50	5.15 5.25	5.25 5.50
South American, Ex-Dock, NY						6.00 6.80	5.75 6.50	5.75 6.50	5.75 6.25	5.00 5.25	5.00 5.25	5.00 5.25
Chinese, Ex-Dock, NY[4]						5.35 5.95	4.50 5.50	5.00 5.40	5.00 5.40	4.75 5.00	5.00 5.25	5.00 5.25
U.S.A. FOB, Northwest	7.00	7.00	7.00	6.75 7.00	6.75 7.00		6.00 6.25	5.50 6.00	5.50 6.00	5.50 6.00	4.75 5.00	5.00 5.25

2001	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
European, Ex-Dock, NY	5.25 5.50	5.00 5.25	5.00 5.25	5.25 5.50	4.75 5.25	4.35 5.00	4.25 5.00	4.25 5.00	4.50 5.00	4.50 4.75	4.50 4.75	4.50 4.75
South American, Ex-Dock, NY	5.00 5.50	4.50 4.75	4.50 4.75	4.25 4.50	4.00 4.50	4.00 4.25	4.00 4.25	4.00 4.25	4.00 4.25	4.25 4.50	4.25 4.50	4.50 4.75
Chinese, Ex-Dock, NY[4]	5.00 5.25	4.50 4.75	4.50 4.75	4.00 4.25	3.75 4.00	3.75 4.25		4.00 4.25	4.00 4.25	4.25 4.50	4.25 4.50	4.25 4.75
U.S.A. FOB, Northwest	5.00 5.25	4.50 5.00	4.50 4.75	4.25 4.50	4.00 4.50	4.00 4.25	4.00 4.25	4.00 4.25	4.00 4.25	4.25 4.50	4.25 4.50	4.50 4.75

2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
European, Ex-Dock, NY	4.50 4.75	4.50 n/a	4.50 n/a	4.50 4.75	4.50 4.75	4.45 4.75	4.45 4.75	4.50 4.75	4.50 4.75	4.50 5.00	4.55 4.80	4.55 4.95
South American, Ex-Dock, NY	4.50 4.75	4.20 4.50	4.25 4.55	4.25 4.55	4.25 4.55	4.35 4.55	4.35 4.75	4.25 4.75	4.25 4.75	4.40 4.80	4.40 4.85	4.40 4.85
Chinese, Ex-Dock, NY[4]	4.25 4.75	4.00 4.50	4.00 4.50	4.00 4.50	4.00 4.50	4.00 4.50	4.25 4.50	4.00 4.50	4.00 4.50	4.25 4.75	4.25 4.65	4.25 4.50
U.S.A. FOB, Northwest	4.50 4.75	4.25 4.75	4.25 4.75	4.20 4.75	4.20 4.75	4.20 4.75	4.50 4.75	4.50 4.75	4.50 4.75	4.50 5.00	4.50 5.00	4.50 5.25

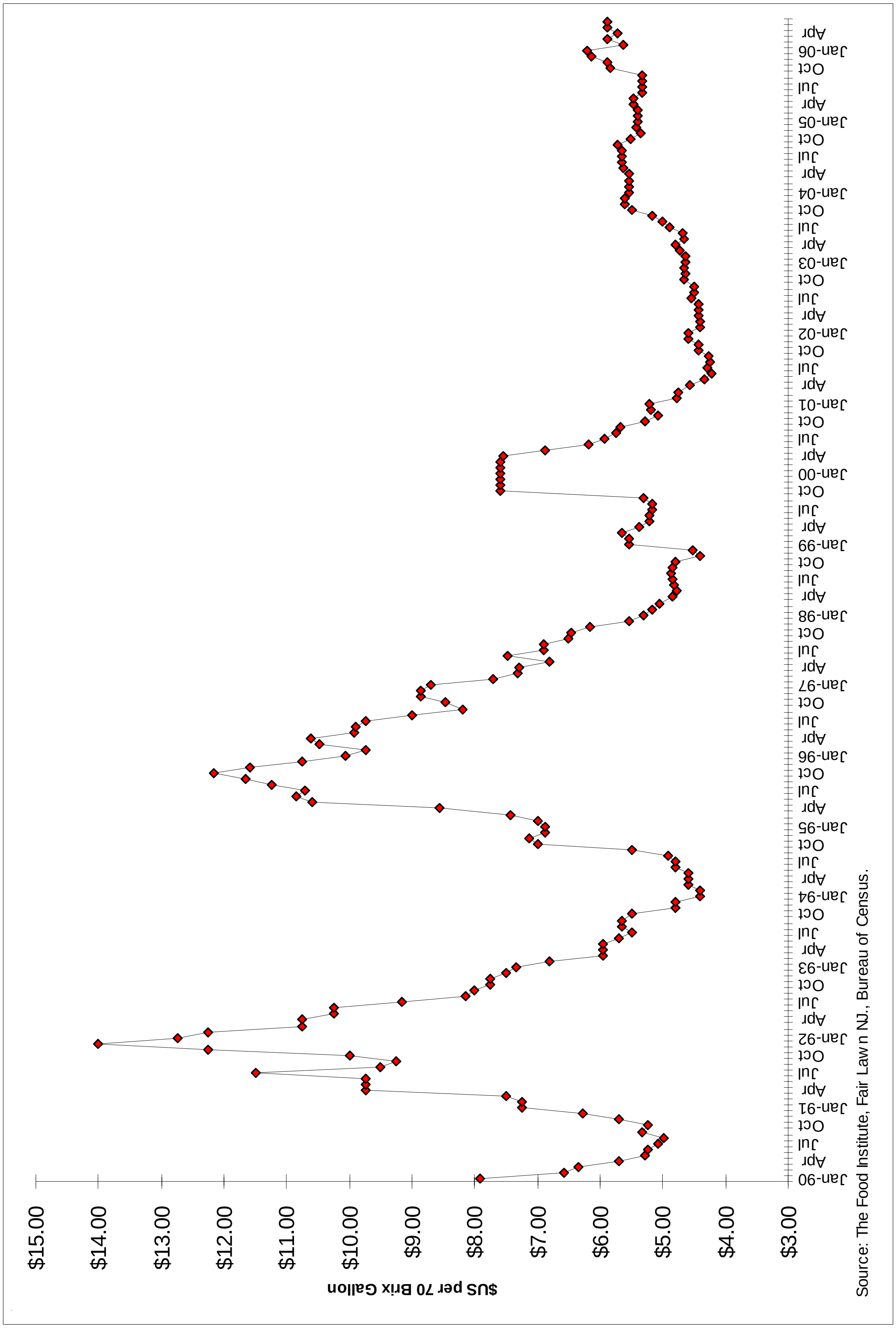
(continued on page 41)

■ Appendix A:
Monthly Apple Juice Concentrate Prices, 1990-2005 (continued)
(US$ per 70-Brix Gallon)

2003	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
European, Ex-Dock, NY	4.55	4.50	4.50	5.00	5.00	4.85	5.50	5.75	5.75	6.25	6.25	6.25
	4.95	5.25	5.25	5.25	5.25	5.45	6.00	6.00	6.50	6.50	6.85	6.85
South American, Ex-Dock, NY	4.40	4.40	4.40	4.50	4.50	4.50	4.70	4.70	N/A	N/A	N/A	N/A
	4.85	4.80	4.80	4.80	4.85	4.85	4.95	4.95	N/A	N/A	N/A	N/A
Chinese, Ex-Dock, NY[4]	4.10	4.10	4.25	4.25	3.85	4.00	4.00	4.10	4.00	4.00	4.25	4.25
	4.50	4.25	4.80	4.60	4.10	4.25	4.55	4.25	4.50	4.75	4.75	4.75
U.S.A. FOB, Northwest	4.50	4.50	4.50	4.75	4.50	4.50	4.50	4.75	4.75	5.50	5.50	5.50
	5.25	5.25	5.25	5.25	5.25	5.00	5.00	5.50	5.50	6.00	6.00	6.00
2004	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
European, Ex-Dock, NY	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.25
	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	7.00	7.00	6.85
South American, Ex-Dock, NY	N/A	N/A	N/A	N/A	N/A	5.50	5.50	5.50	5.50	5.25	5.25	5.25
	N/A	N/A	N/A	N/A	N/A	6.00	6.00	6.00	6.00	5.50	5.50	5.50
Chinese, Ex-Dock, NY[4]	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.50	3.95	3.95	4.00
	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	5.00	4.70	4.70	4.75
U.S.A. FOB, Northwest	5.50	5.50	5.50	5.50	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	6.00	6.00	6.00	6.00								
2005	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
European, Ex-Dock, NY	6.25	6.25	6.25	6.25	6.25	6.50	6.50	6.50	7.00	8.25	8.25	8.25
	6.85	6.85	6.85	6.85	6.85	7.00	7.00	7.00	8.50	8.50	8.50	8.50
South American, Ex-Dock, NY	5.25	5.25	5.25	5.25	5.25	5.00	5.00	5.00	4.50	4.50	4.50	5.00
	5.50	5.50	5.50	5.50	5.50	5.25	5.25	5.25	4.75	4.75	5.00	5.75
Chinese, Ex-Dock, NY[4]	4.00	4.00	4.00	4.50	4.50	4.25	4.25	4.25	3.75	5.00	5.00	5.25
	4.75	4.75	4.75	5.00	5.00	4.75	4.75	4.75	4.50	5.15	5.25	5.75
U.S.A. FOB, Northwest	5.00	5.00	5.00	5.00	5.00	4.75	4.75	4.75	4.50	5.00	5.00	5.00
	5.50	5.50	5.50	5.50	5.50	5.25	5.25	5.25	5.25	5.50	5.50	5.50
2006	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
European, Ex-Dock, NY	8.25	N/A	N/A	N/A	N/A	N/A						
	8.50	N/A	N/A	N/A	N/A	N/A						
South American, Ex-Dock, NY	5.10	5.40	5.40	5.45	5.60	5.60						
	5.25	5.85	5.85	5.85	5.75	5.75						
Chinese, Ex-Dock, NY[4]	5.50	5.50	5.50	5.50	5.50	5.50						
	6.00	6.00	6.00	6.00	6.00	6.00						
U.S.A. FOB, Northwest	5.25	5.25	6.10	5.50	6.00	6.00						
	5.75	5.75	6.50	6.00	6.45	6.45						

Source: The Food Institute, Fair Lawn, N.J.
[1]Apple juice concentrate prices beginning Jan. 1995 are segregated by country of origin.
[2]A dashed line indicates that data is unavailable.
[3]Apple juice concentrate prices for China were unavailable before 1998.

■ Appendix A:
Monthly Apple Juice Concentrate Prices, 1990-2005



Appendix B:
European Union Pear Production, By Country
(000 Metric Tons)

	2001	2002	2003	2004	2005	2006 Forecast	% Change from 2005
Italy	793	948	820	838	879	879	**NC**
Spain	660	603	641	521	608	537	**-12%**
Belgium	89	173	176	231	229	259	**+13%**
France	254	237	191	248	230	242	**+5%**
Netherlands	70	180	170	225	200	234	**+17%**
Portugal	142	125	90	188	130	143	**+10%**
Germany	47	56	49	61	53	61	**+15%**
Greece	47	39	32	54	56	45	**-20%**
United Kingdom	33	35	35	34	27	34	**+26%**
Denmark	6	5	4	5	5	6	**+20%**
TOTAL[1]	**2,140**	**2,400**	**2,207**	**2,405**	**2,418**	**2,440**	**+1%**

Appendix B:
European Union Pear Production, By Variety
(000 Metric Tons)

	2001	2002	2003	2004	2005	2006 Forecast	% Change from 2005
Conference	490	637	684	718	757	753	**-1%**
William BC	317	331	287	314	321	312	**-3%**
Abate F	225	282	251	261	281	298	**+6%**
Blanquilla	240	196	200	157	171	143	**-16%**
Guyot	117	117	99	106	115	108	**-6%**
Coscia	99	103	97	95	111	102	**-8%**
Doyenne	68	163	97	129	105	101	**-4%**
Kaiser	50	59	63	50	61	56	**-8%**
Passacrassana	26	43	34	37	35	32	**-9%**
Max Red	28	33	27	26	24	25	**+4%**
Kristalli	17	18	15	22	23	18	**-22%**
Other	464	419	353	490	414	492	**+19%**
TOTAL[1]	**2,140**	**2,400**	**2,207**	**2,405**	**2,418**	**2,440**	**+1%**

Source: Prognosfruit
NC = Change of less than one percent.
[1] *Totals may not add due to rounding.*

■ Notes