Citrus Reference Book



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Florida Department of Citrus Economic and Market Research Department June 2013

CITRUS REFERENCE BOOK

Florida Department of Citrus

Economic and Market Research Department

June 2013

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Florida Department of Citrus

Economic and Market Research Department

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GLOSSARY OF ACRONYMS

Bearing Acreage: Oranges

Season	Florida	Texas	Calif.	Arizona	U.S.ª	Florida Temples
			1,000 a	acres		
1986-87	375.4	10.3	172.9	10.9	569.5	9.4
1987-88	380.2	11.1	172.6	10.6	574.5	9.3
1988-89	388.7	12.0	177.6	10.4	588.7	9.3
1989-90	399.5	13.0	175.1	10.2	597.8	8.0
1990-91	420.9	3.5	178.4	9.9	612.7	7.7
1991-92	444.4	3.5	181.8	10.4	640.1	7.1
1992-93	489.2	4.4	184.0	10.6	688.2	7.3
1993-94	510.8	5.5	185.0	10.6	711.9	6.7
1994-95	562.8	7.0	191.0	10.4	771.2	6.8
1995-96	594.8	7.9	196.0	9.4	808.1	6.6
1996-97	624.9	8.7	200.0	10.0	843.6	6.7
1997-98	609.2	9.5	200.2	9.1	828.0	6.2
1998-99	612.6	9.1	201.5	6.9	830.1	6.0
1999-00	602.1	9.1	195.5	6.2	812.9	5.8
2000-01	605.0	9.1	194.5	6.4	815.0	5.5
2001-02	586.9	9.3	195.0	6.4	797.6	4.7
2002-03	587.6	8.8	198.0	5.6	0.008	4.2
2003-04	564.8	8.8	193.0	4.9	771.5	3.4
2004-05	541.8	8.8	191.0	4.2	745.8	2.9
2005-06	491.0	8.8	190.0	3.3	693.1	2.5
2006-07	475.9	8.8	190.0	2.6	677.3	С
2007-08	463.9	8.8	188.0	2.4	663.1	С
2008-09	459.1	8.8	186.0	2.4	656.3	С
2009-10	451.0	8.8	183.0	NA	642.8	С
2010-11	440.0	8.8	180.0	NA	628.8	С
2011-12 ^b	433.4	8.8	177.0	NA	619.2	С
2012-13						

^aMay not add up due to rounding.

 $^{{}^{\}rm b} Preliminary.$

^cTemples included with Florida oranges.

Bearing Acreage: Grapefruit

Season	Florida	Texas	Calif.	Arizona	U.S.
			- 1,000 acres -		
1986-87	106.0	15.2	20.8	5.9	147.9
1987-88	106.0	16.0	20.7	6.0	148.7
1988-89	106.9	16.9	19.9	6.5	150.2
1989-90	103.0	18.7	19.2	6.4	147.3
1990-91	104.2	4.5	18.3	6.2	133.2
1991-92	104.7	7.5	18.5	5.9	136.6
1992-93	111.9	10.1	17.8	5.9	145.7
1993-94	118.3	12.8	18.0	5.9	155.0
1994-95	127.3	15.0	18.4	5.7	166.4
1995-96	132.8	17.7	18.8	5.1	174.4
1996-97	139.2	20.4	18.0	4.4	182.0
1997-98	127.8	23.1	16.8	4.0	171.7
1998-99	116.6	20.0	16.6	3.3	156.5
1999-00	114.1	20.0	16.6	2.8	153.5
2000-01	107.8	20.0	15.4	2.0	145.2
2001-02	101.3	19.0	14.0	2.0	136.3
2002-03	95.5	18.5	13.0	1.4	128.4
2003-04	82.3	18.5	11.0	1.2	113.0
2004-05	71.0	18.5	12.0	1.0	102.5
2005-06	59.8	18.5	10.0	.8	89.1
2006-07	57.4	18.5	9.6	.6	86.1
2007-08	54.8	18.5	9.6	.5	83.4
2008-09	51.9	18.5	9.6	.4	80.4
2009-10	48.1	18.5	9.6	NA	76.2
2010-11	46.5	18.5	9.4	NA	74.4
2011-12 ^a	45.5	18.5	9.4	NA	73.4
2012-13					

^aPreliminary. SOURCE: FASS

Florida Commercial Citrus Acreage

Census	Oranges	Grapefruit	Specialty	Total
Year	<u> </u>	-	Fruit ^a	
1972	659,418	124,142	res 94,459	878,019
1974	642,431	130,326	91,341	864,098
1976	628,567	137,909	85,893	852,369
1978	616,020	136,342	78,873	831,235
1970	627,174	139,944	78,165	845,283
	•	·	·	•
1982	636,864	139,939	71,053	847,856
1984	573,991	134,680	52,694	761,365
1986	466,252	117,845	40,395	624,492
1988	536,737	119,606	41,586	697,929
1990	564,809	125,300	42,658	732,767
1992	608,636	135,166	47,488	791,290
1994	653,370	146,915	53,457	853,742
1996	656,598	144,416	56,673	857,687
1998	658,390	132,817	54,053	845,260
1999		121,258		
2000	665,529	118,145	48,601	832,275
2002	648,806	105,488	43,009	797,303
2004	622,821	89,048	36,686	748,555
2006	529,241	63,419	28,713	621,373
2008	496,518	56,881	23,178	576,577
2009	492,529	53,863	22,422	568,814
2010	483,418	50,189	20,430	554,037
2011	473,086	48,990	19,252	541,328
2012	464,918	48,191	18,384	531,493
2013				
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^aIncludes lemons, limes and other citrus.

Florida Commercial Citrus Bearing Acreage

Census	Oranges	Granofruit	Specialty A	Total	
Year	Oranges	Grapefruit	Fruit ^a	Total	
4070			res		
1972	624,209	112,554	87,485	824,248	
1974	614,608	115,767	86,961	817,336	
1976	596,432	117,856	81,871	796,159	
1978	578,968	120,310	75,191	774,469	
1980	576,615	126,395	72,757	775,767	
1982	560,203	127,826	66,028	754,057	
1984	474,269	119,630	48,983	642,882	
1986	367,581	105,134	37,996	510,711	
1988	380,163	105,962	35,677	521,802	
1990	399,505	102,959	33,854	536,318	
1992	444,421	104,719	36,511	585,651	
1994	510,819	118,298	38,404	667,521	
1996	594,775	132,838	47,742	775,355	
1998	609,194	127,839	50,599	787,632	
1999		116,599			
2000	602,136	114,089	46,174	762,399	
2002	586,859	101,338	41,334	729,531	
2004	564,844	82,318	34,833	681,995	
2006	490,971	59,776	27,839	578,586	
2008	463,994	54,837	22,545	541,376	
2009	459,228	51,934	21,993	533,155	
2010	451,196	48,071	20,077	519,344	
2011	440,130	46,502	18,863	505,495	
2012	433,508	45,479	17,882	496,869	
2013					

^aIncludes lemons, limes and other citrus.

Florida Commercial Citrus Trees

	i loriua Gi	Jiiiiii c i Ciai	Citius II	
Census	Oranges	Grapefruit	Specialty	Total
Year	3	-	Fruit ^a	
		1,00	0 trees	
1972	53,731.1	9,012.7	9,345.8	72,089.6
1974	52,521.7	9,647.2	9,140.2	71,309.1
1976	51,595.3	10,398.1	8,553.6	70,547.0
1978	50,843.2	10,412.5	7,881.1	69,136.8
1980	51,977.8	10,768.7	7,905.9	70,652.4
1982	53,504.5	10,833.1	7,232.3	71,569.9
1984	49,884.7	10,582.9	5,507.9	65,975.5
1986	43,461.4	9,624.0	4,443.4	57,528.8
1988	54,536.6	10,081.2	4,690.4	69,308.2
1990	62,613.4	11,193.2	5,074.7	78,881.3
1992	72,826.3	13,119.2	6,070.2	92,015.7
1994	81,614.4	15,004.0	7,114.0	103,732.4
1996	84,155.4	15,116.9	7,824.5	107,096.8
1998	85,430.6	14,079.1	7,600.5	107,110.2
1999		12,961.2		
2000	87,200.1	12,668.6	6,810.0	106,678.7
2002	85,751.1	11,329.2	6,091.7	103,172.0
2004	82,978.5	9,748.3	5,218.2	97,945.0
2006	70,849.4	6,971.4	4,088.2	81,909.0
2008	65,775.3	6,241.0	3,359.8	75,376.1
2009	64,992.7	5,861.0	3,236.8	74,090.5
2010	63,776.7	5,445.9	2,942.2	72,164.8
2011	62,528.9	5,349.6	2,762.2	70,640.7
2012	61,640.1	5,272.3	2,653.0	69,565.4
2013				
a				0011202

^aIncludes lemons, limes and other citrus.

Florida Commercial Citrus Bearing Trees

Fiorida Commercial Citrus Bearing Trees				
Census Year	Oranges	Grapefruit	Specialty Fruit ^a	Total
		1,000	trees	
1972	49,786.5	8,032.1	8,373.4	66,192.0
1974	49,466.9	8,362.6	8,559.6	66,389.1
1976	48,373.8	8,598.9	8,075.0	65,047.7
1978	47,454.5	8,969.7	7,416.8	63,841.0
1980	47,366.3	9,586.2	7,196.5	64,149.0
1982	46,078.5	9,753.9	6,555.4	62,387.8
1984	39,777.7	9,192.8	5,044.9	54,015.4
1986	32,708.0	8,367.7	4,154.6	45,230.3
1988	35,537.3	8,654.7	3,928.7	48,120.7
1990	40,666.0	8,748.5	3,882.1	53,296.6
1992	49,577.1	9,556.9	4,427.3	63,561.3
1994	61,707.7	11,514.1	4,825.8	78,047.6
1996	75,286.6	13,632.8	6,340.1	95,259.5
1998	78,586.5	13,469.6	7,034.1	99,090.2
1999		12,431.4		
2000	78,721.0	12,204.1	6,461.4	97,386.5
2002	77,595.9	10,869.7	5,854.3	94,319.9
2004	75,391.7	8,967.9	4,972.2	89,331.8
2006	65,954.4	6,543.2	3,973.7	76,471.3
2008	61,740.6	5,989.7	3,270.3	71,000.6
2009	60,752.9	5,633.8	3,179.0	69,565.7
2010	59,560.8	5,201.0	2,894.0	67,655.8
2011	58,160.4	5,036.4	2,711.9	65,908.7
2012	57,460.4	4,934.6	2,587.0	64,982.0
2013				
a				

^aIncludes lemons, limes and other citrus.

Production: Oranges

0	Flanista			Asissas		Florida
Season	Florida	Texas	Calif.	Arizona	U.S. ^a	Temples
			- million 90-p	ound boxes		
1987-88	138.0	1.4	49.2	1.5	190.0	3.6
1988-89	146.6	1.7	49.1	1.4	198.8	3.8
1989-90	110.2	1.1	59.5	1.3	172.2	1.4
1990-91	151.6		21.3	1.5	174.4	2.5
1991-92	139.8	b	56.2	2.0	198.0	2.4
1992-93	186.6	.5	55.7	1.5	244.3	2.5
1993-94	174.4	.5	53.0	1.6	229.5	2.3
1994-95	205.5	1.0	46.7	.9	254.0	2.6
1995-96	203.3	.9	48.3	1.4	253.9	2.2
1996-97	226.2	1.3	53.3	1.2	282.0	2.4
1997-98	244.0	1.4	57.5	.8	303.8	2.3
1998-99	186.0	1.4	30.0	1.0	218.3	1.8
1999-00	233.0	1.6	53.3	.9	288.8	2.0
2000-01	223.3	2.1	45.4	.8	271.6	1.3
2001-02	230.0	1.6	42.9	.4	275.0	1.6
2002-03	203.0	1.5	51.7	.4	256.5	1.3
2003-04	242.0	1.6	42.1	.4	286.0	1.4
2004-05	149.8	1.7	53.8	.4	205.6	.7
2005-06	147.7	1.5	50.8	.4	200.4	.7
2006-07	129.0	1.9	38.3	.3	169.5	d
2007-08	170.2	1.7	51.7	.3	223.9	d
2008-09	162.5	1.4	38.8	.2	202.8	d
2009-10	133.7	1.5	47.9		183.2	d
2010-11	140.5	1.8	55.6		197.9	d
2011-12 ^c	146.7	1.3	52.0		200.0	d
2012-13						
2			h			C=

SOURCE: FASS

^bLess than 50,000 boxes.

^cPreliminary

^aMay not add up due to rounding. ^dTemples included in Oranges beginning 2006-07.

Production: Grapefruit

Season	Florida	Texas	Calif.	Arizona	U.S.
			ion 85-pound b		
1987-88	53.9	3.6	7.0	1.5	65.9
1988-89	54.8	4.5	6.1	1.5	66.9
1989-90	35.7	1.9	7.2	1.7	46.4
1990-91	45.1		6.1	1.8	53.0
1991-92	42.4	.1	7.6	2.1	52.2
1992-93	55.2	1.8	7.0	1.6	65.6
1993-94	51.1	2.8	7.3	1.4	62.6
1994-95	55.7	4.4	7.3	1.1	68.5
1995-96	52.4 ^a	4.3	6.4	.9	64.0
1996-97	55.8 b	5.0	6.5	.6	67.9
1997-98	49.6 ^b	4.5	6.3	.6	61.0
1998-99	47.1	5.7	5.8	.6	59.1
1999-00	53.4	5.6	5.7	.4	65.0
2000-01	46.0 ^c	6.8	5.0	.2	57.9
2001-02	46.7	5.6	4.7	.1	57.0
2002-03	38.7	5.3	4.4	.1	48.5
2003-04	40.9	5.4	4.6	.1	50.9
2004-05	12.8	6.2	4.8	.1	23.9
2005-06	19.3	4.9	4.7	.1	29.0
2006-07	27.2	6.7	4.3	.1	38.3
2007-08	26.6	5.6	4.1	.1	36.4
2008-09	21.7	5.2	3.8		30.7
2009-10	20.3	5.3	3.5		29.1
2010-11	19.8	5.9	4.1		29.7
2011-12 ^d	18.9	4.5	3.8		27.1
2012-13					

^aExcludes 3 million boxes of economic abandonment. ^bExcludes 6 million boxes of economic abandonment. ^cExcludes 2 million boxes of economic abandonment. ^dPreliminary. SOURCE: FASS

Production: Specialty Fruit

				Spec				
Season		angerine			lorida		Lem	
	Florida	Calif.	Arizona	Tangelos	K-Early	Limes	Calif.	Arizona
				1,000 b				
1987-88	2,450	2,090	600	4,200	240	1,300	17,000	3,650
1988-89	2,900	2,040	650	3,800	320	1,250	16,200	3,800
1989-90	1,700	1,650	600	2,950	210	1,650	15,800	2,800
1990-91	1,950	1,350	600	2,650	160	1,450	14,800	4,100
1991-92	2,600	2,440	1,200	2,600	165	1,600	15,100	5,100
1992-93	2,800	2,100	950	3,050	185	1,000	20,400	4,400
1993-94	4,100	2,300	1,000	3,350	210	200	20,700	5,200
1994-95	3,550	2,500	650	3,150	120	230	20,000	3,600
1995-96	4,500	2,600	1,000	2,450	160	300	21,000	5,100
1996-97	6,300	2,600	750	3,950	150	320	22,600	2,700
1997-98	5,200	2,400	600	2,850	40	440	21,000	2,600
1998-99	4,950	1,500	950	2,550	80	500	16,200	3,450
1999-00	7,000	2,500	850	2,200	110	600	19,000	3,100
2000-01	5,600	2,200	650	2,100	40	250	22,600	3,600
2001-02	6,600	2,200	620	2,150	30	150	18,300	2,800
2002-03	5,500	2,800	430	2,350	а	а	24,000	3,000
2003-04	6,500	2,200	690	1,000	а	а	18,000	3,000
2004-05	4,450	2,900	400	1,550	а	а	20,500	2,400
2005-06	5,500	3,600	550	1,400	а	а	22,000	3,800
2006-07	4,600	3,500	300	1,250	а	а	18,500	2,500
2007-08	5,500	6,700	400	1,500	а	а	14,800	1,500
2008-09	3,850	6,700	250	1,150	а	а	21,000	3,000
2009-10	4,450	9,900	350	900	а	а	21,000	2,200
2010-11	4,650	10,600	300	1,150	а	а	20,500	2,500
2011-12 ^b	4,290	10,900	200	1,150	а	а	20,500	750
2012-13								
2		h						

USDA Orange Crop Estimates Versus Actual Production

Season		Florida		(<u>-</u> California			Texas			Arizona		Total ^a
<u> </u>	Oct.	Actual	+/-	Oct.	Actual	+/-	Oct.	Actual	+/-	Oct.	Actual	+/-	Oct.
1995-96	202.0	203.3	+1.3	66.0	58.0	-8.0	million bo	.9عدد 9.	3	1.1	1.7	+.6	270.3
1996-97	220.0	226.2	+6.2	63.0	64.0	+1.0	1.5	1.4	1	1.5	1.4	1	286.0
1997-98	254.0	244.0	-10.0	74.0	69.0	-5.0	1.6	1.5	1	1.0	1.0		330.6
1998-99	190.0	186.0	-4.0	62.0	36.0	-26.0	1.4	1.4		1.0	1.2	+.2	254.4
1999-00	211.0	233.0	+22.0	67.0	64.0	-3.0	1.6	1.7	+.1	.9	1.1	+.2	280.5
2000-01	240.0	223.3	-16.7	59.0	54.5	-4.5	2.0	2.2	+.2	1.1	.9	2	302.1
2001-02	231.0	230.0	-1.0	54.0	51.5	-2.5	2.2	1.7	5	.8	.5	3	288.0
2002-03	197.0	203.0	+6.0	63.0	62.0	-1.0	1.6	1.6		.5	.5		262.0
2003-04	252.0	242.0	-10.0	59.0	50.5	-8.5	1.6	1.7	+.1	.5	.5		313.0
2004-05	176.0	149.8	-26.2	62.0	64.5	+2.5	1.9	1.8	1	.4	.4		240.3
2005-06	190.0	147.7	-42.3	55.0	61.0	+6.0	1.5	1.6	+.1	.5	.5		247.0
2006-07	135.0°	129.0	-6.0	46.0	46.0		1.8	2.0	+.2	.4	.3	1	183.1
2007-08	168.0°	170.2	+2.2	58.0	62.0	+4.0	1.8	1.8		.3	.4	+.1	228.1
2008-09	166.0°	162.5	-3.5	44.0	46.5	+2.5	1.5	1.5		.3	.3		211.8
2009-10	136.0°	133.7	-2.3	55.0	57.5	+2.5	1.5	1.6	+.1	NF			192.5
2010-11	146.0°	140.5	-5.5	60.5	62.5	+2.0	1.7	1.9	+.2	NF			208.2
2011-12	147.0°	146.7	3	57.5	58.5	+1.0	1.7	1.4	3	NF			206.2
2012-13	154.0°			59.5			1.4			NF			214.9

^aMay not add up due to rounding.

^bBox sizes: FL 90#; CA 80# (CA & AZ 75# prior to 2010-11); TX 85#.

USDA Florida Temple Crop Estimates Versus Actual Production

Season	October	Actual	+/-
		million 90-pound boxes	
1984-85	3.7	3.3	4
1985-86	3.5	3.0	5
1986-87	3.6	3.4	2
1987-88	3.4	3.6	+.2
1988-89	3.8	3.8	
1989-90	3.0	1.4	-1.6
1990-91	3.1	2.5	6
1991-92	2.6	2.4	2
1992-93	2.7	2.5	2
1993-94	2.3	2.3	
1994-95	2.6	2.6	
1995-96	2.2	2.2	
1996-97	2.5	2.4	1
1997-98	2.3	2.3	
1998-99	2.0	1.8	2
1999-00	2.1	2.0	1
2000-01	1.8	1.3	5
2001-02	1.4	1.6	+.2
2002-03	1.4	1.3	1
2003-04	1.4	1.4	
2004-05	.8	.7	1
2005-06	.9	.7	2

NOTE: 2006-07 forward Temples included in round oranges.

USDA Grapefruit Crop Estimates Versus Actual Production

Season		Florida	-	(California			Texas			Arizona		Total
Jeason	Oct.	Actual	+/-	Oct.	Actual	+/-	Oct.	Actual	+/-	Oct.	Actual	+/-	Oct.
1995-96	54.0	52.4 ^c	-1.6	8.5	8.1	4	million boxes 5.0	4.6	4	1.2	1.2		68.7
1996-97	59.0	55.8 ^d	-3.2	8.0	8.2	+.2	5.7	5.3	4	1.1	.8	3	73.8
1997-98	54.0	49.6 ^d	-4.4	9.0	8.0	-1.0	5.0	4.8	2	.8	.8		68.8
1998-99	50.0	47.1	-2.9	8.4	7.3	-1.1	5.0	6.1	+1.1	.7	.8	+.1	64.1
1999-00	50.0	53.4	+3.4	8.0	7.2	8	5.5	5.9	+.4	.7	.5	2	64.2
2000-01	50.0	46.0 ^e	-4.0	7.2	6.3	9	6.5	7.2	+.7	.6	.3	3	64.3
2001-02	48.0	46.7	-1.3	6.0	5.9	1	7.8	5.9	-1.9	.2	.2		62.0
2002-03	42.0	38.7	-3.3	6.2	5.6	6	5.6	5.7	+.1	.1	.1		53.9
2003-04	42.0	40.9	-1.1	5.5	5.8	+.3	5.3	5.7	+.4	.1	.1		52.9
2004-05	15.0	12.8	-2.2	5.2	6.1	+.9	5.9	6.6	+.7	.2	.1	1	26.3
2005-06	24.0	19.3	-4.7	5.8	6.0	+.2	5.4	5.2	2	.1	.1		35.3
2006-07	26.0	27.2	+1.2	5.7	5.5	2	6.7	7.1	+.4	.1	.1		38.5
2007-08	25.0	26.6	+1.6	4.5	5.2	+.7	6.8	6.0	8	.2	.1	1	36.5
2008-09	23.0	21.7	-1.3	5.5	4.8	7	5.3	5.5	+.2	.2		2	34.0
2009-10	19.8	20.3	+.5	4.7	4.5	2	5.3	5.6	+.3	NF	NF	NC	29.8
2010-11	20.0	19.8	2	3.8	4.3	+.5	5.5	6.3	+.8	NF	NF	NC	29.3
2011-12	21.0	18.9	-2.1	3.4	4.0	+.6	5.1	4.8	3	NF	NF	NC	28.6
2012-13	20.3			4.0			5.3			NF			29.6

^aBox sizes: FL 85#; CA 80# (CA & AZ 67# prior to 2010-11); TX 80#.

^dExcludes 6 million boxes of economic abandonment.

^bIncludes April forecast for California.

^eExcludes 2 million boxes of economic abandonment.

USDA Crop Estimates (Current)

		Oranges	-	Grapefruit				
Time Period ^a	FL ^b	TX	CA	FL	TX	CA		
			millior	boxes ^c				
<u>2012-13</u>								
ОСТ	154.0	1.4	59.5	20.3	5.3	4.0		
DEC	146.0	1.4	59.5	18.0	5.3	4.0		
JAN	142.0	1.5	59.5	18.0	5.3	4.0		
FEB	141.0	1.5	59.5	18.0	5.3	4.0		
MAR	139.0	1.5	59.0	17.0	5.3	4.0		
APR	138.0	1.6	58.0	17.0	5.5	4.1		
MAY	138.0	1.6	58.0	18.3	5.5	4.1		
JUN								
JUL								

^aNo November crop estimate is made.

bIncludes Temples.

SOURCE: FASS

USDA Florida FCOJ Gallons-per-Box Yield Estimates

Season	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
4005.00	4 5 4	4.54	4.50			gallons		4.50	4.50	4.50
1995-96	1.54	1.54	1.50	1.47	1.47	1.48	1.48	1.52	1.52	1.52
1996-97	1.53	1.53	1.53	1.53	1.54	1.54	1.57	1.58	1.58	1.58
1997-98	1.55	1.55	1.55	1.55	1.56	1.56	1.56	1.58	1.58	1.58
1998-99	1.57	1.57	1.57	1.57	1.60	1.62	1.63	1.64	1.63	1.63
1999-00	1.60	1.60	1.60	1.57	1.54	1.54	1.54	1.54	1.55	1.55
2000-01	1.55	1.55	1.55	1.55	1.54	1.58	1.58	1.58	1.58	1.58
2001-02	1.55	1.55	1.55	1.58	1.58	1.58	1.58	1.58	1.58	1.58
2002-03	1.57	1.57	1.57	1.57	1.57	1.55	1.55	1.53	1.52	1.54
2003-04	1.55	1.55	1.55	1.53	1.53	1.53	1.54	1.55	1.56	1.56
2004-05	1.56	1.56	1.56	1.56	1.58	1.58	1.58	1.60	1.60	1.58
2005-06	1.58	1.58	1.55	1.55	1.58	1.58	1.61	1.62	1.63	1.63
2006-07	1.58	1.58	1.58	1.58	1.61	1.62	1.65	1.65	1.65	1.65
2007-08	1.60	1.60	1.60	1.60	1.62	1.63	1.63	1.65	1.67	1.67
2008-09	1.59	1.59	1.58	1.62	1.62	1.64	1.64	1.65	1.66	1.67
2009-10	1.63	1.63	1.63	1.60	1.56	1.53	1.56	1.55	1.55	1.56
2010-11	1.61	1.61	1.61	1.61	1.57	1.57	1.58	1.58	1.59	1.59
2011-12	1.60	1.60	1.60	1.62	1.63	1.64	1.62	1.61	1.63	1.63
2012-13	1.61	1.61	1.61	1.61	1.62	1.61	1.61	1.60		

SOURCE: FASS

USDA Specialty Crop Estimates Versus Actual Production

		rida				erines			California/ Arizona		Florida Limes	
Season	Tanç	gelos	Flo	rida	Calif	ornia	Ariz	ona		nons	Fioriua	Lilles
	Oct.	Actual	Oct.	Actual	Oct.	Actual	Oct.	Actual	Oct.	Actual	Oct.	Actual
	•	ound boxes	·	und boxes			ınd boxes ^b		·	und boxes ^c	mil. 88-pc	ound boxes
1996-97	3.8	4.0	6.0	6.3	2.6	2.6	.9	.8	26.7	25.3	.4	.3
1997-98	3.3	2.9	5.5	5.2	2.4	2.4	.5	.6	24.6	23.6	.4	.4
1998-99	2.5	2.6	4.2	5.0	2.5	1.5	.7	1.0	23.7	19.7	.6	.5
1999-00	2.6	2.2	6.4	7.0	2.3	2.5	.7	.9	24.4	22.1	.6	.6
2000-01	2.1	2.1	6.3	5.6	2.0	2.2	.9	.7	24.6	26.2	.3	.3
2001-02	2.3	2.2	7.0	6.6	2.5	2.2	.6	.6	26.1	21.1	.2	.2
2002-03	2.4	2.4	5.2	5.5	2.3	2.8	.5	.4	23.8	27.0	а	а
2003-04	1.3	1.0	6.6	6.5	2.5	2.2	.6	.7	26.0	21.0	а	а
2004-05	1.4	1.6	4.7	4.5	2.9	2.9	.5	.4	21.9	22.9	а	а
2005-06	1.4	1.4	6.0	5.5	3.2	3.6	.5	.6	22.8	25.8	а	а
2006-07	1.1	1.3	4.6	4.6	3.8	3.5	.4	.3	22.5	21.0	а	а
2007-08	1.3	1.5	5.1	5.5	4.7	6.7	.4	.4	18.0	16.3	а	а
2008-09	1.5	1.2	4.9	3.9	6.3	6.7	.3	.3	21.5	24.0	а	а
2009-10	1.0	.9	4.9	4.5	7.0	9.9	.4	.4	22.5	23.2	а	а
2010-11	1.1	1.2	4.5	4.7	10.0	10.6	.3	.3	23.7	23.0	а	а
2011-12	1.1	1.2	4.7	4.3	10.3	10.9	.2	.2	20.8	21.3	а	а
2012-13	1.2		4.4		11.8		.2		22.2		а	а

^aNo longer forecast or reported.

Utilization of Florida Oranges

Season	Fresh	Frozen Concen- trate	Chilled Juice	Non- Certified	Other	Total ^a
			million 90-po	ound boxes		
1996-97	9.3	147.9	65.7	1.4	1.9	226.2
1997-98	8.7	156.4	74.8	2.5	1.6	244.0
1998-99	8.6	93.6	80.1	2.2	1.2	185.7
1999-00	6.9	129.5	90.1	2.5	4.0	233.0
2000-01	6.7	120.5	89.6	3.0	3.5	223.3
2001-02	6.9	132.2	85.9	2.5	2.5	230.0
2002-03	6.3	98.7	92.5	3.4	2.1	203.0
2003-04	6.2	137.0	93.4	3.7	1.7	242.0
2004-05	4.9	52.2	88.5	2.5	1.7	149.8
2005-06	4.5	49.1	90.2	2.8	1.1	147.7
2006-07	5.0	46.0	75.2	1.4	1.4	129.0
2007-08	4.4	78.0	85.1	1.4	1.3	170.2
2008-09	5.5	71.2	82.8	1.4	1.6	162.5
2009-10	4.5	51.3	75.1	1.4	1.4	133.7
2010-11	4.5	50.3	82.6	1.5	1.6	140.5
2011-12	4.6	63.9	75.5	1.5	1.1	146.6

^aMay not add up due to rounding.

Utilization of Florida Grapefruit

Season	Fresh	Frozen Concen- trate	Chilled Juice	Non- Certified	Other	Total
			million 85-po	ound boxes -		
1996-97	22.1	25.0	7.1	1.1	.5	55.8 ^a
1997-98	20.0	20.6	7.2	1.2	.6	49.6 ^a
1998-99	18.7	19.0	7.5	1.2	.7	47.1
1999-00	17.0	24.1	10.4	1.3	.6	53.4
2000-01	15.9	21.2	6.4	1.6	.9	46.0 ^b
2001-02	15.9	21.7	6.4	1.5	1.2	46.7
2002-03	14.1	16.0	6.2	1.5	.9	38.7
2003-04	15.2	17.2	6.6	1.5	.4	40.9
2004-05	6.7	2.5	2.8	.7	.2	12.8
2005-06	6.2	8.0	4.1	.7	.3	19.3
2006-07	10.3	11.6	4.4	.6	.3	27.2
2007-08	9.9	10.4	5.2	.7	.3	26.6
2008-09	8.7	8.4	3.7	.7	.2	21.7
2009-10	8.7	6.0	4.6	.6	.3	20.3
2010-11	7.7	7.0	4.2	.7	.2	19.8
2011-12	7.2	6.9	3.8	.7	.2	18.9

^aExcludes 6 million boxes of economic abandonment.

^bExcludes 2 million boxes of economic abandonment.

Total Shipments of Florida Fresh Citrus^a

Aug-July Season	Grapefruit	Oranges	Temples	Tangelos	Honey Tangerines	Tangerines	Total
			thous	and 4/5-bushel o	cartons		
1995-96	43,535	16,985	1,204	1,614	2,114	3,875	69,326
1996-97	44,224	18,690	879	1,584	1,958	5,163	72,498
1997-98	39,922	17,411	851	1,339	2,610	3,837	65,968
1998-99	37,399	17,303	956	1,199	2,651	4,102	63,610
1999-00	33,925	13,906	694	1,076	3,427	4,972	58,002
2000-01	31,850	13,397	585	1,096	2,368	4,517	53,813
2001-02	31,783	13,860	592	967	2,627	5,162	54,992
2002-03	28,270	12,552	471	837	3,380	3,883	49,392
2003-04	30,350	12,310	552	646	3,968	4,284	52,111
2004-05	13,409	9,810	313	628	2,771	3,336	30,267
2005-06	12,473	9,065	284	658	3,252	3,435	29,167
2006-07	20,623	9,939	b	691	2,639	2,928	36,821
2007-08	19,829	8,847	b	717	2,874	3,210	35,477
2008-09	17,353	11,089	b	827	1,686	3,470	34,426
2009-10	17,421	8,977	b	638	2,750	2,710	32,496
2010-11	15,455	8,956	b	684	2,310	3,107	30,513
2011-12	14,491	9,258	b	673	2,146	2,951	29,520

^aColumns may not add up due to rounding.

Florida Fresh Grapefruit Shipments

Aug-July Season	Domestic	Canada	Europe	Japan	Other Pacific Rim	Other	Total
			thous	and 42.5-pound	cartons		
1996-97	18,638	3,042	9,536	11,045	1,922	41	44,224
1997-98	18,062	2,833	8,846	9,309	843	29	39,922
1998-99	15,273	2,617	8,298	9,967	1,224	20	37,399
1999-00	13,197	2,254	6,700	10,912	846	16	33,925
2000-01	11,602	2,236	6,637	10,719	635	21	31,850
2001-02	11,103	2,183	6,549	11,227	696	25	31,783
2002-03	9,936	1,619	6,227	10,150	325	13	28,270
2003-04	8,995	1,780	6,912	12,123	529	11	30,350
2004-05	4,888	768	2,786	4,833	119	15	13,409
2005-06	4,787	773	2,115	4,559	232	7	12,473
2006-07	6,751	1,282	4,395	7,860	332	3	20,623
2007-08	6,183	1,163	5,015	7,018	443	7	19,829
2008-09	6,045	1,088	3,924	6,036	258	2	17,353
2009-10	6,109	1,151	3,455	6,277	426	3	17,421
2010-11	5,396	1,098	3,121	5,409	426	5	15,455
2011-12	5,530	992	2,799	4,807	360	3	14,491

SOURCE: FDOC-EMRD

Florida Fresh Orange and Temple Shipments

Aug-July Season	Domestic	Canada	Europe	Japan	Other Pacific Rim	Other	Total
			thousa	and 42.5-pound	cartons		
1996-97	17,788	1,334	57	22	345	23	19,569
1997-98	16,778	1,149	27	22	271	15	18,262
1998-99	16,162	1,051	9	149	863	25	18,259
1999-00	13,341	873	7	20	355	5	14,601
2000-01	12,465	870	24	11	594	18	13,982
2001-02	13,264	1,033	43	4	95	13	14,452
2002-03	11,977	797	24	3	215	7	13,023
2003-04	11,417	867	178	2	330	68	12,862
2004-05	9,119	580	194	1	204	25	10,123
2005-06	8,661	540	6	0	119	23	9,349
2006-07	9,259	564	0	0	113	3	9,939
2007-08	8,068	498	97	2	180	2	8,847
2008-09	10,249	594	87	1	158	1	11,089
2009-10	8,241	550	53	0	130	3	8,977
2010-11	8,259	554	43	1	96	3	8,956
2011-12	8,654	511	25	0	66	2	9,258

SOURCE: FDOC-EMRD

World Orange Production

		Jiang	Average				
Country	1961- 1969	1970- 1979	1980- 1989	1990- 1999	2000- 2009	2010	2011
			1,00	00 metric to	ns		
United States of America	5,235	8,491	7,808	9,513	9,715	7,478	8,079
% of U.S. to World	26.8%	27.4%	18.5%	16.5%	15.1%	10.9%	11.6%
Florida ^a	4,097	6,841	5,821	7,551	7,754	5,458	5,736
% of Florida to World	20.9%	22.1%	13.8%	13.1%	12.1%	8.0%	8.2%
Brazil	2,281	5,785	13,335	20,009	18,280	18,503	19,811
China	67	162	631	1,707	2,722	5,003	6,214
India	864	1,214	1,386	2,001	3,438	5,966	4,571
Mexico	1,262	1,672	1,954	3,159	4,070	4,052	4,080
Spain	1,748	1,878	1,976	2,622	2,884	3,120	2,825
Egypt	398	775	1,183	1,558	1,936	2,401	2,578
Italy	1,079	1,552	1,860	1,785	2,089	2,394	2,470
Indonesia	96	166	454	508	1,782	2,029	1,819
Turkey	306	541	694	869	1,364	1,711	1,730
South Africa	450	543	581	867	1,326	1,415	1,496
Pakistan	307	437	946	1,294	1,396	1,505	1,388
Iran (Islamic Republic of)	92	266	730	1,604	2,139	1,503	1,201
Argentina	582	781	645	749	845	833	877
Morocco	548	679	763	907	762	849	850
Vietnam	54	85	102	294	558	729	746
Greece	362	493	729	930	920	770	740
Syrian Arab Republic	3	17	75	281	515	669	734
Algeria	291	338	196	245	433	583	600
All Others	3,541	5,123	6,173	6,582	7,117	6,958	6,797
WORLD TOTAL	19,568	30,996	42,221	57,483	64,292	68,470	69,606

^aTemples included.

SOURCE: FAO-FAOSTAT-Agricultural Data

World Grapefruit Production

	114 01	арсп	Average	Odac			
Country	1961- 1969	1970- 1979	1980- 1989	1990- 1999	2000- 2009	2010	2011
			1,00	00 metric to	ons		
United States of America	1,631	2,433	2,370	2,316	1,688	1,123	1,147
% of U.S. to World	68.5%	64.1%	55.6%	47.7%	29.8%	15.7%	14.8%
Florida	1,310	1,802	1,861	1,889	1,285	783	761
% of U.S. to World	55.0%	47.5%	43.7%	38.9%	22.7%	11.0%	9.8%
China	18	21	53	217	1,045	2,885	3,608
South Africa	67	101	90	137	346	343	416
Mexico	13	55	105	157	353	401	397
Thailand	9	14	14	80	264	295	379
Turkey	4	13	25	65	151	214	219
India	22	26	40	94	159	261	196
Argentina	70	159	161	200	220	189	189
Israel	165	410	422	384	260	204	184
Cuba	12	31	210	295	207	138	112
Tunisia	2	10	30	51	75	87	93
Brazil	25	33	46	62	68	71	75
Belize	8	12	22	40	53	52	56
Bangladesh	3	3	6	11	37	58	54
Jamaica	45	32	26	38	39	44	47
Spain	5	6	15	25	33	43	43
Paraguay	16	38	75	66	43	42	42
Syrian Arab Republic	-	-	-	-	23	40	40
Iran (Islamic Republic of)	2	7	21	52	44	52	39
All Others	266	392	534	562	564	596	403
WORLD TOTAL	2,381	3,796	4,263	4,854	5,672	7,138	7,739

SOURCE: FAO-FAOSTAT-Agricultural Data

World Tangerine Production

			Average				
Country	1961- 1969	1970- 1979	1980- 1989	1990- 1999	2000- 2009	2010	2011
			1,00	00 metric to	ons		
United States of America	302	572	539	474	421	541	571
% of U.S. to World	7.7%	7.6%	5.3%	3.0%	1.9%	2.5%	2.3%
Florida	173	202	141	162	237	192	200
% of U.S. to World	4.4%	2.7%	1.4%	1.0%	1.1%	0.9%	0.8%
China	251	453	1,575	5,481	9,663	10,142	12,707
Spain	181	623	1,083	1,684	2,086	1,708	1,584
Brazil	282	420	620	731	1,164	1,122	1,005
Japan	1,450	3,232	2,463	1,438	1,071	786	928
Turkey	45	110	246	421	680	859	872
Italy	183	316	409	462	653	241	853
Egypt	66	88	115	355	669	797	848
Republic of Korea	2	55	355	585	649	615	681
Pakistan	108	156	350	481	519	559	515
Morocco	75	174	293	335	405	473	473
Mexico	86	101	129	223	390	409	406
Argentina	165	238	423	556	501	424	401
Thailand	261	318	464	675	661	280	360
Iran (Islamic Republic of)	21	62	176	611	612	276	261
Peru	8	18	27	78	163	221	236
Nepal	-	-	-	67	105	175	179
Algeria	109	147	93	93	136	152	150
South Africa	13	19	28	64	128	141	149
All Others	291	455	736	1,075	1,262	1,450	1,400
WORLD TOTAL	3,899	7,554	10,122	15,887	21,937	21,371	24,580

SOURCE: FAO-FAOSTAT-Agricultural Data

Brazil: Bearing Trees, Production and Utilization of Oranges in the State of São Paulo

Production	Bearing	Oranges	Oranges Ut	ilized for	Frozen Concent	trate Production ^b
Season ^a	Trees	Produced	Frozen Concentrate ^b		65° Brix	SSE
	million	million	boxes	% of total	thousand MT	million gallons
1980-81	66	170	138	81	492	685
1985-86	87	239	220	92	860	1,198
1990-91	109	242	202	83	838	1,167
1995-96	163	357	263	74	1,062	1,479
2000-01	162	355	270	76	1,140	1,588
2001-02	161	280	220	79	953	1,327
2002-03	160	365	305	84	1,309	1,823
2003-04	159	290	230	79	1,040	1,448
2004-05	160	380	336	88	1,407	1,959
2005-06	162	320	284	89	1,240	1,727
2006-07	164	350	316	90	1,380	1,922
2007-08	165	360	325	90	1,420	1,978
2008-09	166	315	276	88	1,195	1,664
2009-10	164	320	274	86	1,220	1,699
2010-11	167	285	257	90	1,105	1,539
2011-12	171	444	395	89	1,510	2,103
2012-13 ^c	173	390	295	76	1,130	1,574
2013-14 ^d	170	340	292	86	1,165	1,622

^aJuly-June. ^bBeginning 2004-05, includes NFC for export.

^cEstimate.

Brazil FCOJ Exports and Prices

	Diaziii	CO3 LX	ports am	u i iices	
Year	Exports	U.S. \$ per MT ^a	Season	Exports	U.S. \$ per MT ^a
	MT 65° Brix	dollars	July-June	MT 65° Brix	dollars
1974	108,460	546	1996-97	1,153,799	1,024
1975	180,897	454	1997-98	1,280,921	877
1976	209,841	481	1998-99	1,140,606	1,112
1977	213,524	829	1999-00	1,295,725	969
1978	335,629	991	2000-01	1,235,679	691
1979	308,328	965	2001-02	1,033,628	767
1980	401,144	845	2002-03	998,851	875
1981	639,143	1,032	2003-04	1,071,045	831
1982	502,034	1,101	2004-05	1,076,942	755
1983	552,373	1,104	2005-06	1,001,714	839
1984	905,231	1,563	2006-07	1,018,699	1,408
1985	484,782	1,544	2007-08	893,353	1,523
1986	808,262	844	2008-09	611,437	1,386
1987	754,968	1,100	2009-10	524,981	1,258
1988	663,600	1,716	2010-11	422,883	1,722
1989	710,114	1,381	2011-12	463,297	2,108
1990	899,801	1,527			
1991	913,747	985			
1992	968,627	1,087			
1993	1,165,241	709			
1994	1,146,758	859			
1995	960,905	1,150			
1996	1,202,427	1,156			
1997	1,179,572	850			
3-0					

^aFOB value of product, Brazil.

Estimated U.S. Orange Juice Availability

Oct-Sept		Flor	ida			Calif/ ^a	U.S. In	nports	U.S.	Total Domestic Availability	
Season	FCOJ 11.8° Brix	CSSOJ	COJ	Total	Texas ^a	Arizona	Florida	Total	Exports		
					million S	SSE gallons -					1,000 MT 65° Brix
1996-97	976.6	1.1	410.6	1,388.3	2.7	48.4	177.5	294.9	149.0	1,585.3	1,138
1997-98	1,024.8	NA	462.0	1,486.8	2.3	56.7	127.7	280.8	146.3	1,680.2	1,207
1998-99	641.7	NA	512.9	1,154.6	1.8	69.6	188.5	350.2	146.6	1,429.7	1,027
1999-00	838.9	NA	583.5	1,422.4	2.2	86.6	139.4	339.4	145.2	1,705.4	1,225
2000-01	791.8	NA	565.2	1,357.1	5.6	36.0	125.2	257.7	122.9	1,533.5	1,101
2001-02	868.6	NA	546.5	1,415.0	2.0	30.4	96.6	188.8	181.2	1,455.1	1,045
2002-03	633.5	NA	574.6	1,208.1	2.6	50.6	155.2	290.9	104.8	1,447.4	1,039
2003-04	881.7	NA	566.3	1,448.0	2.8	24.7	84.8	222.3	123.0	1,574.9	1,131
2004-05	347.3	NA	564.0	911.4	3.2	63.4	129.9	357.5	119.1	1,216.3	873
2005-06	341.7	NA	592.6	934.4	1.9	69.8	97.8	298.8	137.7	1,167.3	838
2006-07	319.3	NA	501.6	820.9	3.0	77.5	169.0	399.2	122.6	1,177.9	846
2007-08	546.0	NA	560.6	1,109.2	2.4	61.6	180.3	405.5	138.7	1,439.9	1,034
2008-09	487.9	NA	548.8	1,036.8	1.3	30.8	126.9	317.4	124.7	1,261.4	906
2009-10	332.2	NA	475.5	807.7	1.1	39.6	108.3	327.6	146.7	1,029.3	739
2010-11	331.6	NA	532.4	864.0	1.7	54.7	96.6	265.2	214.2	971.5	697
2011-12	429.9	NA	496.8	926.6	.9	38.1	95.4	223.3	151.7	1,037.2	745

^aBased on assumed yields.

Estimated U.S. Orange Juice Supply and Demand

Oct-Sept	Total	Net Carry	Total Presumed	Sa	les	Population	Per Capita	
Season	eason Domestic Availability		Consumption	Retail ^b	Other ^c	Population	Consumption	
			- million SSE gallons -			millions	SSE gal.	
1996-97	1,585	+151	1,434	832	602	272	5.3	
1997-98	1,680	+84	1,596	865	732	275	5.8	
1998-99	1,430	-117	1,547	853	694	278	5.6	
1999-00	1,705	+106	1,599	872	726	281	5.7	
2000-01	1,534	+52	1,482	889	593	284	5.2	
2001-02	1,455	-5	1,460	862	598	287	5.1	
2002-03	1,447	+14	1,433	836	596	290	4.9	
2003-04	1,575	+135	1,440	807	633	292	4.9	
2004-05	1,216	-178	1,394	795	599	295	4.7	
2005-06	1,167	-183	1,350	745	605	298	4.5	
2006-07	1,178	-86	1,264	650	614	301	4.2	
2007-08	1,440	+274	1,166	624	542	303	3.8	
2008-09	1,261	+42	1,219	629	591	306	4.0	
2009-10	1,028	-125	1,153	608	544	309	3.7	
2010-11	971	-165	1,136	575	561	311	3.7	
2011-12	1,037	+39	998	531	467	313	3.2	

^a2004-05 forward based on FCOJ inventories for the United States (NASS, Cold Storage Reports) plus Florida COJ inventories (Processor Reports); in 2003-04 and prior years, based on Florida FCOJ and COJ inventories.

^bAll outlets. ^cIncludes unidentified inventory.

Estimated U.S. Grapefruit Juice Availability

Oct-Sept		Flor	ida		_ a	Calif/ ^a	U.S.	Total	U.S.	Total
Season	FCGJ	CSSGJ	CGJ	Total	Texas ^a		Imports	Supply	Exports	Domestic Availability
					mi	illion SSE gal	lons			
1996-97	121.3	.8	37.2	159.3	7.6	7.1	.2	174.4	23.4	151.0
1997-98	96.9	NA	39.2	136.1	6.3	7.8	.2	150.4	18.6	131.8
1998-99	98.0	NA	42.3	140.4	9.7	2.5	.3	152.8	24.3	128.5
1999-00	114.6	NA	55.3	169.9	9.9	3.6	5.0	188.4	32.9	155.5
2000-01	108.8	NA	37.8	146.6	15.1	2.7	.9	165.3	39.0	126.3
2001-02	109.2	NA	39.9	149.1	9.6	2.3	.3	161.3	36.3	125.1
2002-03	77.5	NA	37.3	114.8	11.2	2.0	.4	128.4	39.5	89.0
2003-04	83.6	NA	36.7	120.3	11.0	2.0	.5	133.8	55.5	78.3
2004-05	12.2	NA	16.9	29.1	16.7	2.0	11.4	59.2	23.9	35.3
2005-06	38.9	NA	23.4	62.2	9.6	2.0	5.6	79.4	18.7	60.8
2006-07	63.1	NA	28.1	91.3	17.5	2.0	.9	111.6	37.2	74.5
2007-08	54.7	NA	32.9	87.7	13.0	.0	.3	101.0	36.4	64.6
2008-09	43.0	NA	23.3	66.2	11.1	.0	.5	77.8	33.9	43.9
2009-10	31.6	NA	29.4	61.0	11.0	.0	.6	72.6	22.4	50.2
2010-11	37.2	NA	25.1	62.3	14.0	.0	.4	76.6	29.7	46.9
2011-12	36.2	NA	24.2	60.4	10.6	.0	.5	71.5	21.7	49.9

^aBased on assumed yields.

SOURCE: Processor Reports, FASS Citrus Summary, FAS, NASS, U.S. Department of Commerce, FDOC-EMRD

Estimated U.S. Grapefruit Juice Supply and Demand

Oct-Sept	Total	Net Florida	Total	Sa	les	Danulation	Per Capita
Season	Domestic Availability	I Carry Over I		Retail ^a	Other ^b	Population	Consumption
		mi	llion SSE gallons			millions	SSE gal.
1996-97	151	+20	131	50	81	272	.48
1997-98	132	-17	149	57	91	275	.54
1998-99	129	-31	160	60	101	278	.58
1999-00	156	+24	132	52	80	281	.47
2000-01	126	+1	126	46	79	284	.44
2001-02	125	+11	114	40	74	287	.40
2002-03	89	-14	103	37	66	290	.35
2003-04	78	-7	85	34	51	292	.29
2004-05	35	-34	69	24	45	295	.24
2005-06	61	+8	53	20	33	298	.18
2006-07	75	+16	59	20	39	301	.19
2007-08	65	+3	62	22	40	303	.20
2008-09	44	-13	57	21	36	306	.19
2009-10	50	-4	54	20	33	309	.17
2010-11	47	-9	56	20	36	311	.18
2011-12	50	+3	46	18	28	313	.15

^aAll outlets.

^bIncludes unidentified inventory.

General Economic Indicators

		Price Indices		Disposable
Year	(1982-8	4 = 100)	Population	Personal
	All Food	All Items		Income
			millions	billion \$
1990	132.4	130.7	249.6	4,254.0
1991	136.3	136.2	253.0	4,444.9
1992	137.9	140.3	256.5	4,736.7
1993	140.9	144.5	259.9	4,921.6
1994	144.3	148.2	263.1	5,184.3
1995	148.4	152.4	266.3	5,457.0
1996	153.3	156.9	269.4	5,759.6
1997	157.3	160.5	272.6	6,074.6
1998	160.7	163.0	275.9	6,499.0
1999	164.1	166.6	279.0	6,803.3
2000	167.8	172.2	282.2	7,327.2
2001	173.1	177.1	285.1	7,648.5
2002	176.2	179.9	287.8	8,009.7
2003	180.0	184.0	290.3	8,377.8
2004	186.2	188.9	293.0	8,889.4
2005	190.7	195.3	295.8	9,277.3
2006	195.2	201.6	298.6	9,915.7
2007	202.9	207.3	301.6	10,423.6
2008	214.1	215.3	304.4	11,024.5
2009	218.0	214.5	307.0	10,722.4
2010	219.6	218.1	309.3	11,127.1 ^a
2011	227.8	224.9	311.6	11,549.3 ^a
2012	233.8	229.6	313.9	11,950.8 ^a

^aPreliminary. SOURCE: U.S. Dept. of Commerce, Bureau of Labor Statistics, and Bureau of the Census

Estimated FOB Value of the Florida Citrus Industry, 2006/07-2010/11

Oranges

		900	
Season	Without HLB	With HLB	Difference
		million \$	
2006-07	2,014	1,593	421
2007-08	1,949	1,841	108
2008-09	2,271	2,053	218
2009-10	2,215	1,730	485
2010-11	2,463	1,987	476
CUMULATIVE TOTAL	10 913	9,204	1,709

SOURCE: A.W. Hodges & T.H. Spreen, "Economic Impacts of Citrus Greening (HLB) in Florida, 2006/07-2010/11," FE-903, UF-IFAS-FRED, Gainesville, FL, January 2012.

Estimated Economic Impact^a of Orange Production for Juice Processing in Florida, 2006/07-2010/11

Item	Value Added	Output/Sales	Employment
	mil	llion \$	
Without HLB	17,243	28,816	52,394
With HLB	14,526	24,275	44,137
Difference	-2,717	-4,541	-8,257

^aTotal effect (direct, indirect and induced).

SOURCE: A.W. Hodges & T.H. Spreen, "Economic Impacts of Citrus Greening (HLB) in Florida, 2006/07-2010/11," FE-903, UF-IFAS-FRED, Gainesville, FL, January 2012.

Florida Delivered-In Costs

	95-96 00-01 05-06 Typical/ Historical Costs		10-11			
Region/ Market/ Variety			WITH Canker/ Greening and NO Resetting-Tree Replacement	WITH Canker/ Greening and WITH Resetting- Tree Replacement		
				- \$/PS		
CENTRAL Processed Valencia Orange	.83	.76	1.00	1.07	1.15	
SOUTHWEST <u>Processed</u> Hamlin Orange	.84			1.08 \$/carton	1.18	
				φoarton		
SOUTHWEST <u>Fresh</u> Grapefruit	2.53	2.50	3.29	3.14*	4.28*	
INDIAN RIVER <u>Fresh</u> Grapefruit	2.98	3.14	4.27	4.19	4.53	

SOURCE: Ron Muraro, Extension Economist, University of Florida, IFAS, CREC, Lake Alfred, FL, et al (F.M. Roka, R.E. Rouse, R.M. Turley, J.W. Hebb, E.W. Stover, T.W. Oswalt and M. Still). Website: www.crec.ifas.ufl.edu/Extension/Economics.

^{*2007-08} prices; 2010-11 data are not available.

Florida Land Value Survey

Estimated Value Per Acre by Geographic Area and Land Use (Weighted Estimates)

	S	outh Florid	a	Central Florida		
Date	Oranges	Grapefruit	5-7 Year Citrus	Oranges	Grapefruit	5-7 Year Citrus
			\$/a	cre		
5/1986	8,685	8,289		8,798	6,918	
5/1987	9,661	8,833		8,792	7,701	
5/1988	10,911	10,012		10,550	8,835	
5/1989	11,873	10,420		11,800	10,265	
5/1990	13,351	12,169		12,863	10,058	
5/1991	11,274	10,890	8,888	10,771	9,215	6,823
5/1992	10,756	10,804	9,136	10,250	8,695	7,193
5/1993	9,046	9,478	7,432	8,796	7,119	6,526
5/1994	8,097	8,188	6,677	7,822	6,749	6,342
5/1995	7,477	6,182	6,121	7,253	5,836	5,231
5/1996	7,457	4,986	6,159	6,774	4,980	5,053
5/1997	7,290	4,053	6,096	6,776	4,216	4,981
5/1998	6,882	3,035	5,691	6,763	3,322	4,875
5/1999	6,956	3,759	5,799	6,780	3,543	4,871
5/2000	7,073	4,824	5,909	6,899	4,431	4,941
5/2001	6,410	4,344	5,802	6,139	4,241	4,783
5/2002	5,687	3,658	5,211	5,438	3,614	4,668
5/2003	5,932	3,929	5,440	5,721	3,914	4,889
5/2004	6,540	5,264	5,920	6,409	4,518	5,340
5/2005	9,956	9,897	8,944	9,805	8,192	8,461
5/2007	16,123	11,183	11,900	NA	NA	NA
5/2008	13,500	10,640	10,461	NA	NA	NA
5/2009	12,086	7,369	7,459	NA	NA	NA
5/2010	7,982	6,752	7,116	NA	NA	NA

SOURCE: "Florida Land Value Survey," FRED-IFAS-UF, various surveys.

U.S. Orange Juice Imports

Oct-Sept	Florida Ports			<u> </u>	Total U.S.		
Season	Volu	ıme	Value	Vol	ume	Value	
	mil. SSE gal.	thou. MT 65°	mil. \$	mil. SSE gal.	thou. MT 65°	mil. \$	
1990-91	185.8	133.4	167.8	319.8	229.6	287.0	
1991-92	190.1	136.5	209.2	285.4	205.0	310.2	
1992-93	165.4	118.8	116.5	298.3	214.2	195.2	
1993-94	215.0	154.4	159.5	424.9	305.1	320.1	
1994-95	98.8	70.9	74.7	240.4	172.6	191.0	
1995-96	130.6	93.8	125.8	221.0	158.7	223.8	
1996-97	177.5	127.5	133.9	294.9	211.8	240.1	
1997-98	127.7	91.7	86.6	280.8	201.6	211.4	
1998-99	188.5	135.3	146.4	350.2	251.5	285.9	
1999-00	139.4	100.1	85.1	339.4	243.7	243.4	
2000-01	125.2	89.9	77.8	257.7	185.0	185.0	
2001-02	96.6	69.3	64.8	188.8	135.6	159.0	
2002-03	155.2	111.5	123.5	290.9	208.9	239.8	
2003-04	84.8	60.9	60.7	222.3	159.7	147.4	
2004-05	129.9	93.3	99.3	357.5	256.7	257.0	
2005-06	97.8	70.2	97.1	298.8	214.6	279.0	
2006-07	169.0	121.4	239.9	399.2	286.7	580.6	
2007-08	180.3	129.5	208.3	405.5	291.2	498.8	
2008-09	126.9	91.1	130.7	317.4	227.9	330.4	
2009-10	108.3	77.8	133.4	327.6	235.2	392.6	
2010-11	96.6	69.4	149.4	265.2	190.5	406.2	
2011-12	95.4	68.5	169.0	223.3	160.3	392.3	
2012-13							

SOURCE: U.S. Department of Commerce.

U.S. Citrus Juice Imports

Oct-Sept	Orange	Juice	Grapefru	uit Juice	Citrus Jui	ce, NSPF ^a
Season	Volume	Value	Volume	Value	Volume	Value
	mil. SSE gal.	mil. \$	mil. SSE gal.	mil. \$	mil. SSE gal.	mil. \$
1990-91	93.9	171.6	15.7	37.9	9.2	14.8
1991-92	107.2	206.0	23.1	56.1	12.1	18.3
1992-93	116.8	209.5	23.1	55.3	9.6	16.0
1993-94	104.8	233.9	16.2	50.9	12.9	18.9
1994-95	117.2	272.7	22.5	62.4	12.3	21.4
1995-96	116.7	273.8	23.3	60.4	13.2	25.2
1996-97	149.0	305.3	21.2	55.5	12.8	28.2
1997-98	146.3	295.7	18.6	47.2	19.2	32.2
1998-99	146.6	307.4	24.3	52.4	39.1	57.2
1999-00	145.2	289.9	32.9	72.4	22.7	43.6
2000-01	122.9	251.7	39.0	75.3	20.0	36.5
2001-02	181.2	290.5	36.3	72.0	9.3	22.9
2002-03	104.8	257.0	38.3	71.6	3.7	11.5
2003-04	123.0	260.1	42.3	67.4	2.6	8.6
2004-05	119.1	265.3	23.9	52.3	3.5	11.6
2005-06	137.7	314.6	18.7	52.4	4.3	14.6
2006-07	122.6	359.7	20.2	63.9	4.7	17.3
2007-08	138.7	408.4	16.1	59.6	5.5	20.4
2008-09	124.7	380.3	15.6	53.8	6.5	24.6
2009-10	146.7	420.5	12.8	42.6	6.8	26.1
2010-11	214.2	568.1	15.8	61.3	8.2	31.4
2011-12	151.7	452.3	15.2	56.6	7.6	30.6
2012-13						

^aIncludes lemon juice

U.S. Imports of Fresh Citrus

mil. lbs. mil. \$ mil.	Season ^a	Oran	ges	Grap	Grapefruit		Mandarins and Tangerines	
1990-91 134.81 40.64 16.51 1.00 46.15 12.1 1991-92 30.62 6.62 23.35 1.24 42.63 16.2 1992-93 18.90 3.22 27.33 1.30 43.21 16.9 1993-94 30.50 11.71 32.41 1.43 39.22 17.5 1994-95 42.21 12.65 29.44 1.21 47.43 19.1 1995-96 48.37 17.43 33.01 1.59 42.49 19.0 1996-97 53.70 20.95 28.23 1.24 72.94 35.2 1997-98 84.42 36.90 11.40 .50 88.82 45.4 1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03		Volume	Value	Volume Value		Volume	Value	
1991-92 30.62 6.62 23.35 1.24 42.63 16.2 1992-93 18.90 3.22 27.33 1.30 43.21 16.9 1993-94 30.50 11.71 32.41 1.43 39.22 17.5 1994-95 42.21 12.65 29.44 1.21 47.43 19.1 1995-96 48.37 17.43 33.01 1.59 42.49 19.0 1996-97 53.70 20.95 28.23 1.24 72.94 35.2 1997-98 84.42 36.90 11.40 .50 88.82 45.4 1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04		mil. lbs.	mil. \$	mil. lbs.	mil. \$	mil. lbs.	mil. \$	
1992-93 18.90 3.22 27.33 1.30 43.21 16.9 1993-94 30.50 11.71 32.41 1.43 39.22 17.5 1994-95 42.21 12.65 29.44 1.21 47.43 19.1 1995-96 48.37 17.43 33.01 1.59 42.49 19.0 1996-97 53.70 20.95 28.23 1.24 72.94 35.2 1997-98 84.42 36.90 11.40 .50 88.82 45.4 1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05	1990-91	134.81	40.64	16.51	1.00	46.15	12.15	
1993-94 30.50 11.71 32.41 1.43 39.22 17.5 1994-95 42.21 12.65 29.44 1.21 47.43 19.1 1995-96 48.37 17.43 33.01 1.59 42.49 19.0 1996-97 53.70 20.95 28.23 1.24 72.94 35.2 1997-98 84.42 36.90 11.40 .50 88.82 45.4 1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06<	1991-92	30.62	6.62	23.35	1.24	42.63	16.20	
1994-95 42.21 12.65 29.44 1.21 47.43 19.1 1995-96 48.37 17.43 33.01 1.59 42.49 19.0 1996-97 53.70 20.95 28.23 1.24 72.94 35.2 1997-98 84.42 36.90 11.40 .50 88.82 45.4 1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-	1992-93	18.90	3.22	27.33	1.30	43.21	16.98	
1995-96 48.37 17.43 33.01 1.59 42.49 19.0 1996-97 53.70 20.95 28.23 1.24 72.94 35.2 1997-98 84.42 36.90 11.40 .50 88.82 45.4 1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 20	1993-94	30.50	11.71	32.41	1.43	39.22	17.57	
1996-97 53.70 20.95 28.23 1.24 72.94 35.2 1997-98 84.42 36.90 11.40 .50 88.82 45.4 1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 <t< td=""><td>1994-95</td><td>42.21</td><td>12.65</td><td>29.44</td><td>1.21</td><td>47.43</td><td>19.17</td></t<>	1994-95	42.21	12.65	29.44	1.21	47.43	19.17	
1997-98 84.42 36.90 11.40 .50 88.82 45.4 1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6	1995-96	48.37	17.43	33.01	1.59	42.49	19.05	
1998-99 229.01 82.46 34.19 1.30 122.58 65.7 1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	1996-97	53.70	20.95	28.23	1.24	72.94	35.25	
1999-00 97.03 40.93 12.62 .91 207.52 97.1 2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	1997-98	84.42	36.90	11.40	.50	88.82	45.45	
2000-01 117.11 38.70 41.62 2.02 202.03 113.0 2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	1998-99	229.01	82.46	34.19	1.30	122.58	65.74	
2001-02 118.87 37.99 61.55 2.77 142.42 77.6 2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	1999-00	97.03	40.93	12.62	.91	207.52	97.16	
2002-03 119.10 50.45 37.96 1.54 185.53 123.9 2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	2000-01	117.11	38.70	41.62	2.02	202.03	113.07	
2003-04 121.22 49.12 40.61 1.76 198.63 126.0 2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	2001-02	118.87	37.99	61.55	2.77	142.42	77.60	
2004-05 140.56 57.63 33.01 1.67 199.24 113.7 2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	2002-03	119.10	50.45	37.96	1.54	185.53	123.92	
2005-06 152.15 73.37 36.62 1.79 225.04 153.4 2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	2003-04	121.22	49.12	40.61	1.76	198.63	126.04	
2006-07 262.64 123.31 47.20 2.93 266.30 178.6 2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	2004-05	140.56	57.63	33.01	1.67	199.24	113.72	
2007-08 158.53 73.37 31.60 2.12 202.16 128.0 2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	2005-06	152.15	73.37	36.62	1.79	225.04	153.45	
2008-09 180.09 77.45 28.67 2.05 283.85 177.6 2009-10 211.11 96.52 25.46 2.69 265.92 160.5	2006-07	262.64	123.31	47.20	2.93	266.30	178.62	
2009-10 211.11 96.52 25.46 2.69 265.92 160.5	2007-08	158.53	73.37	31.60	2.12	202.16	128.05	
	2008-09	180.09	77.45	28.67	2.05	283.85	177.65	
	2009-10	211.11	96.52	25.46	2.69	265.92	160.56	
2010-11 207.91 90.16 16.62 1.92 319.57 186.2	2010-11	207.91	90.16	16.62	1.92	319.57	186.21	
2011-12 262.87 110.47 2.54 .83 321.80 181.7	2011-12	262.87	110.47	2.54	.83	321.80	181.75	
2012-13	2012-13							

^aAugust 1 through July 31.

U.S. Exports of Fresh Citrus

C a	Oran	ges	Grap	efruit	Tange	rines
Season ^a	Volume	Value	Volume	Value	Volume	Value
	mil. lbs.	mil. \$	mil. lbs.	mil. \$	mil. lbs.	mil. \$
1990-91	647.1	203.5	1,022.2	270.7	27.9	11.9
1991-92	995.7	254.8	1,011.7	252.2	43.4	17.4
1992-93	1,211.8	266.8	980.3	222.2	33.8	12.6
1993-94	1,183.9	291.4	999.8	224.8	49.3	16.4
1994-95	1,326.0	331.1	1,081.4	242.7	41.3	16.1
1995-96	1,158.0	293.9	1,105.2	261.0	48.5	18.6
1996-97	1,288.3	320.7	1,062.0	240.1	50.6	19.1
1997-98	1,394.8	358.4	865.5	191.5	55.4	19.8
1998-99	659.4	188.7	946.5	222.5	31.9	12.5
1999-00	1,049.4	265.3	855.8	206.3	61.4	19.6
2000-01	1,292.4	332.0	862.2	200.9	32.4	11.4
2001-02	1,114.0	302.3	875.8	201.8	33.6	13.0
2002-03	1,385.4	339.1	784.9	189.8	37.9	15.3
2003-04	1,419.3	379.6	868.7	241.4	44.1	16.1
2004-05	1,234.8	374.8	503.8	152.2	42.7	19.3
2005-06	1,241.7	372.1	553.4	199.3	45.5	22.7
2006-07	714.9	255.8	864.5	273.2	36.2	19.2
2007-08	1,329.1	449.4	593.8	198.8	70.3	40.8
2008-09	1,102.6	395.7	543.6	184.6	64.7	37.9
2009-10	1,445.1	538.8	533.8	193.9	75.9	47.9
2010-11	1,659.7	641.7	502.6	179.7	113.8	70.1
2011-12	1,543.3	656.7	462.1	161.0	80.8	55.4
2012-13						

^aAugust 1 through July 31.

SOURCE: U.S. Department of Commerce

Florida and Imported FCOJ Prices^a

Oct-Sept	Flori	da ^b	Bra	zil	Mex	rico	Oth	er	Impo Aver	
Season	MT ^c	PS ^d								
					dolla	ars				
1996-97	1,634	1.14	1,074	.75	1,211	.85	1,197	.84	1,117	.78
1997-98	1,605	1.12	884	.62	1,265	.88	1,299	.91	1,029	.72
1998-99	1,877	1.31	1,015	.71	1,382	.96	1,424	.99	1,110	.77
1999-00	1,519	1.06	782	.55	1,295	.90	1,404	.98	954	.67
2000-01	1,290	.90	681	.48	1,044	.73	1,759	1.23	955	.67
2001-02	1,490	1.04	719	.50	1,147	.80	2,282	1.59	1,115	.78
2002-03	1,562	1.09	907	.63	1,361	.95	1,733	1.21	1,073	.75
2003-04	1,204	.84	763	.53	970	.68	1,112	.78	866	.60
2004-05	1,533	1.07	843	.59	1,001	.70	1,193	.83	940	.66
2005-06	2,178	1.52	1,129	.79	1,363	.95	1,610	1.12	1,256	.88
2006-07	2,966	2.07	1,909	1.33	2,363	1.65	2,363	1.65	2,082	1.45
2007-08	2,092	1.46	1,499	1.05	2,089	1.46	1,819	1.27	1,702	1.19
2008-09	1,361	.95	1,213	.85	1,431	1.00	1,555	1.09	1,360	.95
2009-10	2,035	1.42	1,326	.93	1,724	1.20	1,972	1.38	1,562	1.09
2010-11	NA	NA	1,922	1.34	2,079	1.45	2,524	1.76	2,098	1.46
2011-12	NA	NA	2,144	1.50	2,362	1.65	2,826	1.97	2,405	1.68

^aPrice is defined as "market value in the foreign country and therefore excludes U.S. import duties, freight, charges from the foreign country to the U.S. & Insurance" (U.S. Guide to Foreign Trade Statistics). 1988-89 data include "other orange juice."

SOURCE: Processors Statistical Reports, FCM, and U.S. Department of Commerce

^bFlorida price = Bulk Price Equivalent. Beginning November 2010, bulk prices are no longer reported.

^cMetric ton 65° Brix. dBased on 1.029 PS per gallon of 11.8° Brix.

History of the U.S. Orange Juice Tariff

		FCOJ		N	-C
Year	¢/SSE gal.	¢/liter	¢/PS	¢/SSE gal.	¢/liter
TARIFF ACT C	OF 1930 .				
1930-1947	70.00		68.03	70.00	
GATT - GENE	VA SWITZ	ERLAND			
1948-1971	35.00		34.01	35.00	
GATT - KENN	EDY ROU	ND			
1972-1988	35.00		34.01	20.00	
1989-1994*	35.02	9.25	34.04	20.07	5.3
GATT - URAG	UAY ROU	ND			
1995	34.15	9.02	33.19	19.69	5.2
1996	33.24	8.78	32.31	18.93	5.0
1997	32.37	8.55	31.46	18.55	4.9
1998	31.50	8.32	30.62	18.17	4.8
1999	30.59	8.08	29.73	17.42	4.6
2000-2011	29.72	7.85	28.89	17.04	4.5

^{*}Beginning 1989, Harmonized Tariff System based on metric units.

NOTES

Single Strength and Chilled Juice Factors to convert cases of single strength or chilled juice to equivalent cases of 24 No. 2's.

Cans per case	Contain	er Size	Equivalent Cases of 24/2's	Cans per case	Container Size	Equivalent Cases of 24/2's
24	4 - o	unces	.222	1	1 - gallon	.296
24	4.25 -	"	.236	24	7 - ounces	.389
24	6 -	"	.333	48	4.25 - "	.472
24	8 -	II .	.444	12	24 - "	.667
48	4 -	II .	.444	12	26 - "	.722
48	5.5 -	"	.611	12	32 - "	.889
48	6 -	II .	.667	64	6 - "	.889
24	12 -	II .	.667	6	64 - "	.889
48	8 -	"	.889	12	1 - quart	.889
24	18 -	II .	1.000	12	1 - liter	.939
12	46 -	"	1.278	72	6 - ounces	1.000
6	No.	10	1.333	4	1 - gallon	1.185
				20	1 - quart	1.482

Canned & Chilled Sections

Factors to convert cases of canned and chilled sections to equivalent cases of 24 No. 2's.

Cans per case	Container Size	Equivalent Cases of 24/2's
12	303	.444
12	1 - pound	.444
4	½ - gallon	.592
6	3 - pounds	.667
2	10 - "	.740
48	8 - ounces	.889
24	303	.889
12	32 - ounces	.889
6	4 - pounds	.889
4	8 - "	1.185
4	1 - gallon	1.185
12	No.3 cyl. (404)	1.278
12	48 - ounces	1.333

Concentrate Factors (3+1)

Factors to convert cases concentrate (retail size containers) to equivalent cases of 24 No. 2's. These factors apply to FCOJ, FCGJ, FCBJ, FCTJ, sugar-added FCOJ, FCGJ, FCBJ, lemonade, limeade, and/or other concentrated with 3+1 reconstitution.

Cans per case	Container Size	Equivalent Cases of 24/2's	Cans per case	Container Size	Equivalent Cases of 24/2's
24	6 - ounces	1.333	9	32 - ounces	2.666
24	8 - "	1.778	12	25.6 - "	2.844
48	4 - "	1.778	24	16 - "	3.555
6	42 - "	2.333	48	8 - "	3.555
6	46 - "	2.555	12	32 - "	3.555
48	6 - "	2.666	72	6 - "	3.999
24	12 - "	2.666	36	12 - "	3.999
			96	6 - "	5.332

FCOJ -- 42° Brix Equivalent Conversion Factors -- Bulk for Manufacturing

Brix	Factor	Brix	Factor
42°	Gallons X 1.0000	59°	Gallons X 1.5159
43°	" X 1.0284	60°	" X 1.5486
43.4°	" X 1.0397	61°	" X 1.5818
44°	" X 1.0570	62°	" X 1.6150
45°	" X 1.0857	63°	" X 1.6487
46°	" X 1.1148	64°	" X 1.6826
47°	" X 1.1441	65°	" X 1.7168
48°	" X 1.1735	66°	" X 1.7512
49°	" X 1.2033	67°	" X 1.7861
50°	" X 1.2334	68°	" X 1.8210
51°	" X 1.2637	69°	" X 1.8566
52°	" X 1.2943	70°	" X 1.8922
53°	" X 1.3253	71°	" X 1.9281
54°	" X 1.3564	72°	" X 1.9644
55°	" X 1.3876	73°	" X 2.0010
56°	" X 1.4194	74°	" X 2.0380
57°	" X 1.4512	75°	" X 2.0751
58°	" X 1.4834		

Canned Citrus Fruit & Single Strength Juice

Factors to convert cases of canned citrus products in different sized cans to the equivalent number of cases packed 24 No. 2 cans per case.

Cans per case	Name of Can			ons of	SSE Gal./Case ^a	Equivalent Cases of 24/2's
24	4 - ounces (baby juice)	202	Х	214	.793	.235
24	4 - ounces	211	X	200	.807	.239
24	6 - "	202	X	308	.992	.294
48	6 - "	202	X	308	1.985	.588
24	6 - "	202	X	314	1.110	.329
48	6 - "	202	X	314	2.221	.658
48	8 - ounces (short)	211	X	300	2.599	.770
24	8 - ounces (tall)	211	X	304	1.424	.422
48	8 - ounces	211	X	304	2.849	.844
48	No. 1 (picnic)	211	X	400	3.591	1.064
24	No. 211 (cylinder)	211	X	414	2.228	.660
48	No. 211	211	X	414	4.455	1.320
24	12 - ounces	300	X	400	2.231	.661
24	No. 300	300	X	407	2.498	.740
36	No. 300	300	X	407	3.746	1.110
48	No. 300	300	X	407	4.995	1.480
48	12 - ounces	300	X	411	5.306	1.572
48	No. 1 (tall)	301	X	411	5.468	1.620
24	No. 303	303	X	406	2.771	.821
48	No. 303	303	X	406	5.542	1.642
24	No. 303	303	X	504	3.378	1.001
24	No. 2	307	X	409	3.375	1.000
24	No. 2	401	X	411	4.894	1.450
12	No. 3 (32 - ounces)	404	X	414	2.886	.855
24	No. 3 (32 - ounces)	404	X	414	5.771	1.710
6	No. 3 (cylinder)	404	X	700	2.126	.630
12	No. 3 (cylinder)	404	X	700	4.249	1.259
6	No. 5	502	X	510	2.433	.721
6	No. 10	603	X	700	4.502	1.334
6	No. 12 (gallon)	603	X	812	5.690	1.686
6	No. 12 (gallon)	610	X	800	5.994	1.776

^aBased on a case of 24/2's being 432 ounces.

SOURCE: National Canners Association, Washington, DC

Citru	Citrus Box Weights: Approximate Net Weight In Pounds by Fruit Type & States						
State	State Oranges Grapefruit Tangerines Lemons Limes						
		pounds	per 1-3/5 bu	shel box			
FL	90 ^a	85	95	90	88		
CA	80 ^b	80°	80 ^d	80 ^e			
TX	TX 85 80						
AZ	 b	^c	80 ^d	80 ^e			

Florida Citrus Product					
Seasons					
Fresh:					
AUG 1 - JUL 31					
Frozen Concentrate:					
OCT 1 - SEP 30*					
Chilled & Canned:					
OCT 1 - SEP 30					

^{*}Historical frozen conc. season was Dec 1 -Nov 30. Data in this book have been converted to reflect current Oct-Sep season.

^eAZ was 76 lbs. prior to 2010-11. CA was 76 lbs. prior to 2010-11.

Significant Florida Citrus Belt Freeze & Hurricane Dates						
FREEZES		HURRICANES				
DEC 12 - 13	1957	Charley	AUG	13, 2004		
DEC 11, 13 - 16	1962	Frances	SEP	5, 2004		
JAN 19 - 21	1971	Jeanne	SEP	26, 2004		
JAN 17 - 22	1977	Wilma	OCT	24, 2005		
JAN 12 - 13	1981					
JAN 11 - 14	1982					
DEC 24 - 25	1983					
JAN 21 - 22	1985					
DEC 23 - 24	1989					

CASE EQUIVALENTS						
Concentrate	Chilled	Canned				
48/6 oz. = 2.25 conc. gal.	12/32 oz. = 3.0 SSE gal.	24/#2's = 3.375 SSE gal.				
24/12 oz. = 2.25 " "	6/64 oz. = 3.0 " "	12/46 oz. = 4.31 " "				
24/6 oz. = 1.125 " "		48/6 oz. = 2.25 " "				
24/16 oz. = 3.0 " "		24/12 oz. = 2.25 " "				
12/32 oz. = 3.0 " "						
6/64 oz. = 3.0 " "						

^aIncludes Temples & tangelos at 90 pounds.

 $^{^{\}mathrm{b}}\mathrm{AZ}$ was 75 lbs. prior to 2010-11. CA was 75 lbs. prior to 2010-11.

 $[^]c\text{AZ}$ was 67 lbs. from 1993-94 to 2008-09 and 64 lbs. prior to 1993-94. CA was 67 lbs. from 1993-94 to 2009-10 and 65 lbs. prior to 1993-94.

 $^{^{\}rm d}$ AZ was 75 lbs. prior to 2010-11. CA was 75 lbs. prior to 2010-11.

Basic Metric Conversions

1 metric ton = 2,204.6 pounds 1 pound = .454 kilograms 1 kilogram = 2.2046 pounds 1 90-lb. box = 40.8 kilograms 1 85-lb. box = 38.56 kilograms 1 gallon = 3.785 liters 1 liter = .2641 gallons 1 kiloliter = 1,000 liters 1 hectare = 2.47 acres 1 acre = .405 hectare

1 Metric Ton					
65° Brix	66° Brix				
= 1,433	= 1,455	pounds solids (PS)			
= 200.84	= 203.92	gallons 65° Brix			
= 196.89	= 199.91	gallons 66° Brix			
= 344.8	= 350.1	gallons 42° Brix			
= 1,392.6	= 1,413.9	gallons 11.8° Brix			
= 760.5	= 772.1	liters 65° Brix			
= 745.5	= 756.9	liters 66° Brix			
= 1,305.6	= 1,325.6	liters 42° Brix			
= 5,273.0	= 5,353.8	liters 11.8° Brix			

One (1) 55-gallon drum 65° Brix

= 370 pounds solids, contains about 52 gallons, & weighs about 625 pounds.

Commonly Used Brix Equivalents

. 5	PS Per	PS Per Weight/Gallon in Air at 20°C	Equivalent Gallons		
	Gallon	(pounds)	11.8° Brix	42° Brix	65° Brix
10.0	0.865	8.655	0.84062	0.20813	0.12123
11.8	1.029	8.717	1.00000	0.24759	0.14422
40.0	3.924	9.809	3.81341	0.94418	0.54996
42.0	4.156	9.896	4.03887	1.00000	0.58248
43.4	4.321	9.957	4.19922	1.03970	0.60561
45.0	4.512	10.027	4.38484	1.08566	0.63238
50.0	5.126	10.253	4.98154	1.23340	0.71843
58.0	6.165	10.630	5.99125	1.48340	0.86405
65.0	7.135	10.977	6.93920	1.71679	1.00000
66.0	7.278	11.028	7.07289	1.75120	1.02004
66.5	7.350	11.053	7.14286	1.76853	1.03013

SOURCE: C.S. Chen, "Brix and Pounds Solids Tables," Scientific Research Department, Florida Department of Citrus, Lake Alfred, FL, May 1983.

Pounds Solids and Weight per Gallon at Various Degrees Brix

various Degrees Brix						
Degrees Brix	Pounds Solids/Gallon	Weight/Gallon in Air at 20°C (pounds)	Degrees Brix	Pounds Solids/Gallon	Weight/Gallon in Air at 20°C (pounds)	
8.0	0.687	8.586	12.5	1.093	8.742	
8.5	0.731	8.603	12.6	1.102	8.745	
9.0	0.776	8.621	12.7	1.111	8.749	
9.5	0.821	8.638	12.8	1.120	8.752	
9.6	0.830	8.641	12.9	1.130	8.756	
9.7	0.839	8.645	39.5	3.866	9.788	
9.8	0.848	8.648	39.6	3.878	9.792	
9.9	0.856	8.651	39.7	3.889	9.796	
10.0	0.865	8.655	39.8	3.901	9.801	
10.1	0.874	8.658	39.9	3.912	9.805	
10.2	0.883	8.662	40.0	3.924	9.809	
10.3	0.893	8.665	40.1	3.935	9.814	
10.4	0.902	8.669	40.2	3.947	9.818	
10.5	0.911	8.672	40.3	3.958	9.822	
10.6	0.920	8.676	40.4	3.970	9.827	
10.7	0.929	8.679	41.5	4.098	9.874	
10.8	0.938	8.682	41.6	4.109	9.878	
10.9	0.947	8.686	41.7	4.121	9.883	
11.0	0.956	8.689	41.8	4.133	9.887	
11.1	0.965	8.693	41.9	4.144	9.891	
11.2	0.974	8.696	42.0	4.156	9.896	
11.3	0.983	8.700	42.1	4.168	9.900	
11.4	0.992	8.703	42.2	4.180	9.904	
11.5	1.001	8.707	42.3	4.191	9.909	
11.6	1.010	8.710	42.4	4.203	9.913	
11.7	1.020	8.714	42.5	4.215	9.917	
11.8	1.029	8.717	42.6	4.227	9.922	
11.9	1.038	8.721	42.7	4.238	9.926	
12.0	1.047	8.724	42.8	4.250	9.930	
12.1	1.056	8.728	42.9	4.262	9.935	
12.2	1.065	8.731	43.0	4.274	9.939	
12.3	1.074	8.735	43.1	4.286	9.943	
12.4	1.084	8.738	43.2	4.297	9.948	

Continued . . .

Pounds Solids and Weight per Gallon at Various Degrees Brix (Cont.)

Degrees	Pounds	Weight/Gallon in Air at 20°C	Degrees	Pounds	Weight/Gallon in Air at 20°C
Brix	Solids/Gallon	(pounds)	Brix	Solids/Gallon	(pounds)
43.3	4.309	9.952	57.6	6.112	10.611
43.4	4.321	9.957	57.7	6.125	10.616
43.5	4.333	9.961	57.8	6.139	10.620
43.6	4.345	9.965	57.9	6.152	10.625
43.7	4.357	9.970	58.0	6.165	10.630
43.8	4.369	9.974	58.1	6.179	10.635
43.9	4.381	9.978	58.2	6.192	10.640
44.0	4.392	9.983	58.3	6.206	10.645
44.1	4.404	9.987	58.4	6.219	10.649
44.2	4.416	9.992	59.0	6.300	10.679
44.3	4.428	9.996	64.0	6.993	10.927
44.4	4.440	10.000	64.5	7.064	10.952
44.5	4.452	10.005	64.6	7.078	10.957
44.6	4.464	10.009	64.7	7.092	10.962
44.7	4.476	10.014	64.8	7.107	10.967
44.8	4.488	10.018	64.9	7.121	10.972
44.9	4.500	10.023	65.0	7.135	10.977
45.0	4.512	10.027	65.1	7.149	10.982
45.1	4.524	10.032	65.2	7.164	10.987
45.2	4.536	10.036	65.3	7.178	10.992
45.3	4.548	10.041	65.4	7.192	10.997
45.4	4.560	10.045	65.5	7.207	11.002
49.5	5.064	10.230	65.6	7.221	11.007
49.6	5.076	10.234	65.7	7.235	11.013
49.7	5.089	10.239	65.8	7.250	11.018
49.8	5.101	10.243	65.9	7.264	11.023
49.9	5.114	10.248	66.0	7.278	11.028
50.0	5.126	10.253	66.1	7.293	11.033
50.1	5.139	10.257	66.2	7.307	11.038
50.2	5.151	10.262	66.3	7.322	11.043
50.3	5.164	10.267	66.4	7.336	11.048
50.4	5.177	10.271	66.5	7.350	11.053
57.5	6.098	10.606	66.6	7.365	11.058

SOURCE: C.S. Chen, "Brix and Pounds Solids Tables," Scientific Research Department, Florida Department of Citrus, Lake Alfred, FL, May 1983.

International Marketing Conversion Tables

One (1) metric ton 65° Brix	=	1,392.6	SSE (gallons
One (1) metric ton 58° Brix	=	1,242.5	"	II
One (1) kiloliter 65° Brix	=	1,831.2	"	II .
One (1) kiloliter 58° Brix	=	1,582.3	11	II .
4/5-bushel carton oranges	=	3.0 ^a	"	II .
4/5-bushel carton grapefruit	=	2.4 ^b	11	II .

^aBased on an average yield of 6.0 SSE gallons/box. ^bBased on an average yield of 4.8 SSE gallons/box.

40-foot Shipping Container Capacity					
55-gallon drums 65° Brix = 84					
55-gallon drums SSE	=	103			
300-gallon bins SSE	=	21			

Concentrate					
One (1) case 24/12-ounce 58° Brix (1:5)	=	13.48	SSE	gallons	
One (1) case 24/12-ounce 65° Brix (1:6)	=	15.60	II	"	
One (1) 55-gallon drum 58° Brix (1:5)	=	311.55	ıı	"	
One (1) 55-gallon drum 65° Brix (1:6)	=	360.56	"	"	

Chilled					
One (1) case 6/64-ounce	= 3.00 SSE gallons				
One (1) case 8/64-ounce	= 4.00 " "				

Canned					
One (1) case 12/46-ounce	=	4.31	SSE gallons		
One (1) case 48/6-ounce	=	2.25	" "		

Delivery and Carrying Costs for FCOJ Futures Contracts^a

		4010		
	Selected Approximate Costs			
Item	Take Delivery, Assuming Loading Product Out	Receive, Carry for 2 Months, and Redeliver		
Commission-In ^b	\$ 20.00	\$ 20.00		
Commission-Out ^b		\$ 20.00		
Handling Out ^c	\$250.00 ^d	\$ 0.00 ^e		
Storage ^{c,f}	\$450.00 ^g	\$600.00 ^h		
Interest ⁱ	\$ 4.19	\$ 4.97		
Total Per Contract	\$724.19	\$644.97		
Total Points ^j	483	430		

^aIgnores USDA inspection fee.

ⁱInterest is calculated as 4.75% per annum (1.5% of prime) on commission, handling and storage costs; excluding interest on money for juice purchase - cost per pound times 15,000 pounds per contract time ((1.0475)^{m/12}-1), where m is the months contract is owned:

INTEREST ON COST OF JUICE							
Months Contract Owned							
Cost Per Pound	1.5	(Points)	2	(Points)			
\$1.30	\$113.44	(76)	\$151.41	(101)			
\$1.50	\$130.90	(87)	\$174.70	(116)			
\$1.70	\$148.35	(99)	\$197.99	(132)			

^jDoes not include points on interest on cost of juice.

SOURCE: Intercontinental Exchange (ICE).

It is recommended that potential participants consult the delivery rules on the ICE website (www.theice.com).

^bRate is negotiable.

^cPublished rates can change over time.

^dHandling out only (truck loading; ½ the "In" and "Out" fee). Paid by Taker, collected by Maker.

^eHandling cost paid for dlivery offset by handling cost collected for redelivery.

Prompt payment of monthly storage is advised, as all warehouses are charging interest on late payments.

⁹Assumes 1.5 months storage at \$300.00 per month.

^hAssumes 2 months storage at \$300.00 per month.

New York FCOJ Monthly Average Nearby Futures Settlement Price

Month	2007	2008	2009	2010	2011	2012	2013
i			cents	per pound	solids		
JAN	200.33	136.92	74.40	137.47	175.51	197.66	113.23
FEB	195.62	128.23	69.25	137.38	173.42	190.43	125.22
MAR	199.98	118.80	73.72	146.30	168.12	181.92	134.00
APR	171.73	115.73	80.55	132.96	168.87	149.18	143.90
MAY	165.03	112.30	90.74	140.29	180.07	114.39	146.74
JUN	138.36	112.00	81.95	141.05	187.99	116.13	
JUL	133.06	121.63	93.66	143.48	198.06	118.26	
AUG	129.60	103.60	97.76	138.88	174.65	121.99	
SEP	125.06	94.76	93.61	150.29	163.65	119.86	
ОСТ	142.53	81.41	107.96	150.68	170.00	112.54	
NOV	136.33	79.81	113.27	156.51	180.26	115.81	
DEC	144.36	73.82	128.83	163.16	170.23	130.44	

SOURCE: New York Board of Trade and Intercontinental Exchange (ICE)

Florida FCOJ Movement by Product Type

		viovement		Т
Oct-Sep Season	Retail	Institutional	Bulk	Total ^a
		million gallo	ons 42° Brix	
1990-91	72.1	21.5	116.0	209.7
1991-92	68.3	22.8	120.6	211.7
1992-93	69.5	20.9	153.6	244.0
1993-94	60.7	20.5	157.0	238.2
1994-95	54.3	22.7	188.4	265.5
1995-96	52.3	28.4	196.2	276.9
1996-97	53.1	24.5	189.7	267.3
1997-98	49.5	26.2	192.1	267.8
1998-99	41.1	27.2	170.7	239.1
1999-00	35.7	27.5	176.5 ^b	239.7 b
2000-01	34.7	27.1	164.2 ^b	226.0 b
2001-02	30.8	25.5	193.7	249.9
2002-03	25.8	25.0	149.2	200.1
2003-04	22.8	26.9	167.3	217.0
2004-05	20.7	23.0	131.4	175.2
2005-06	18.3	21.4	121.2	160.8
2006-07	15.8	19.9	113.4	149.2
2007-08	14.7	18.6	102.6	135.9
2008-09	14.8	18.3	113.1	146.2
2009-10	12.5	17.7	100.1	130.2
2010-11	9.4	17.4	121.7	148.5
2011-12	7.5	16.8	100.0	124.3
2012-13				

^aMay not add to total due to rounding.

Florida FCOJ Inventories, Pack and Movement

Oct-Sep	Beginning	Pa			Ending
Season	Inventory	From Fruit	Other	Movement ^a	Inventory ^b
		mil	lion gallons 42° B	Brix	
1990-91	57.64	151.40	68.67	219.01	58.69
1991-92	58.69	145.42	68.80	222.64	50.28
1992-93	50.28	208.66	75.77	261.05	73.67
1993-94	73.67	182.23	84.27	254.03	86.14
1994-95	86.14	216.50	59.75	280.95	81.44
1995-96	81.44	202.35	73.61	286.93	70.48
1996-97	70.48	241.80	69.65	278.87	105.45 ^c
1997-98	105.45 ^c	253.73	47.18	271.40	134.97
1998-99	134.97	158.88	58.02	247.64	105.20 ^d
1999-00	105.20 ^d	207.71	46.32	246.57	112.65 ^d
2000-01	112.65 ^d	196.06	49.15	229.59	128.27
2001-02	128.27	215.06	44.59 ^d	261.26	126.66 ^d
2002-03	126.66 ^d	156.84	47.35 ^d	206.85	124.03
2003-04	124.03	218.30	32.18	222.26	151.83
2004-05	151.83	86.00	45.38	175.15	107.78
2005-06	107.78	84.60	35.83	160.80	67.17
2006-07	67.17	79.05	55.10	149.20	52.14
2007-08	52.14	135.20	58.45	137.74	108.05
2008-09	108.05	120.80	33.24	146.16	116.56
2009-10	116.56	82.25	26.41	130.23	94.99
2010-11	94.99	82.11	23.00	148.47	51.63
2011-12	51.63	106.43	27.34	124.25	61.15
2012-13	61.15				

^aIncludes futures contract.

^cReporting definition change.

^bMay not calculate due to rounding deliveries.

^dAdjusted.

Florida COJ Inventories, Pack and Movement

Oct-Sep	Beginning	Pack			Ending
Season Season	Inventory	From Fruit	From Concentrate	Movement	Inventory ^a
		m	illion SSE gallons		
1990-91	NA	NA	NA	349.86	NA
1991-92	NA	NA	NA	384.73	NA
1992-93	NA	NA	NA	408.42	NA
1993-94 ^b	78.42	311.12	142.20	444.20	89.00
1994-95 ^b	89.00	326.66	126.89	463.99	78.88
1995-96 ^b	78.88	384.12	116.30	472.60	108.27
1996-97 ^b	108.27	400.28	86.35	477.41	119.06
1997-98 ^b	119.06	452.07	96.08	583.61	83.69
1998-99 ^b	83.69	505.51	85.10	588.06	86.69
1999-00 ^b	86.69	558.82	86.71	577.87	163.42
2000-01 ^b	163.42	543.28	72.90	635.17	152.32
2001-02 ^b	152.32	531.27	58.80	602.61	154.36
2002-03 ^b	154.36	561.69	53.36	603.15	179.68
2003-04 ^b	179.68	559.08	39.49	615.81	181.54 °
2004-05 ^b	181.54 ^c	553.27	17.34	601.39	167.47
2005-06 ^b	167.47	575.06	20.07	610.30	174.98
2006-07 ^b	174.98	487.81	17.72	560.95	152.49
2007-08 ^b	152.49	552.26	16.43	542.62	187.76
2008-09 ^b	187.76	536.82	15.62	558.62	202.18
2009-10 ^b	202.18	465.07	16.39	536.73	164.80
2010-11 ^b	164.80	522.35	19.90	541.35	182.71
2011-12 ^b	182.71	489.85	19.04	509.89	186.59
2012-13 ^b	186.59				

^aMay not calculate due to rounding.

SOURCE: Processors' Statistics Reports

^bInventories include domestic receipts of non-Florida product and receipts of Florida product from non-reporting entities.

^cAdjusted to "standard" 11.8° Brix gallons.

Florida CSSOJ Inventories, Pack and Movement

Oct-Sep	Beginning		ıck		Ending Inventory ^a	
Season	Inventory	From Fruit	From Concentrate	Movement		
		m	illion SSE gallons			
1978-79	7.00 b	33.46	11.16	42.79	8.84	
1979-80	8.84	36.49	10.32	47.16	8.48	
1980-81	8.48	28.76	15.15	43.98	8.42	
1981-82	8.42	20.56	18.27	39.13	8.11	
1982-83	8.11	12.34	20.74	36.42	4.77	
1983-84	4.77	10.94	19.72	31.42	4.01	
1984-85	4.01	6.07	18.99	26.06	3.00	
1985-86	3.00	7.10	18.54	25.31	3.33	
1986-87	3.33	5.34	22.07	27.28	3.46	
1987-88	3.46	4.80	19.69	25.06	2.89	
1988-89	2.89	6.39	21.16	27.77	2.67	
1989-90	2.67	3.35	19.06	23.01	2.07	
1990-91	2.07	3.24	20.82	24.30	1.84	
1991-92	1.84	2.65	23.17	25.05	2.62	
1992-93	2.62	1.99	24.75	26.79	2.56	
1993-94	2.56	1.36	21.76	23.10	2.58	
1994-95	2.58	1.73	17.65	19.96	2.01	
1995-96	2.01	1.43	16.18	17.80	1.81	
1996-97	1.81	1.07	12.20	14.13	.95	
1997-98	.95	NA	NA	12.13	1.01	
1998-99 ^c	1.01					

^aMay not calculate due to rounding deliveries.

^bAdjusted.

SOURCE: Processors' Statistics Reports

[°]CSSOJ no longer reported.

Florida FCGJ Inventories, Pack and Movement

Oct-Sep	Roginning		Move	ment	Ending	
Season	Beginning Inventory	Pack ^a	Retail and Institutional	Bulk	Inventory ^b	
		mi	illion gallons 40° Bı	ix		
1990-91	16.50 ^c	22.16	2.38	24.07	12.21	
1991-92	12.21	20.55	2.28	23.73	6.76	
1992-93	6.76	32.87	2.07	24.42	13.14	
1993-94	13.14	27.27	1.72	24.92	13.77	
1994-95	13.77	31.48	1.55	26.39	17.31	
1995-96	17.31	27.42	1.45	25.92	17.36	
1996-97	17.36	30.94	1.42	25.72	21.15	
1997-98	21.46 ^d	24.61	1.32	27.10	17.64	
1998-99	17.64	24.77	1.37	30.88	10.17	
1999-00	10.10 ^c	30.05	.97	23.57	15.60	
2000-01	13.47 ^c	27.50	.81	24.74	15.42	
2001-02	15.42	27.55	.70	23.92	18.36	
2002-03	18.68 ^c	20.41	.68	22.75	15.65	
2003-04	15.65	21.11	.60	22.92	13.25	
2004-05	13.25	4.85	.39	12.37	5.35	
2005-06	5.35	10.25	.38	8.10	7.12	
2006-07	7.12	16.27	.26	12.37	10.76	
2007-08	10.76	14.61	.23	14.66	10.46	
2008-09	10.46	11.42	.21	12.91	8.85	
2009-10	8.85	7.72	.17	9.45	6.95	
2010-11	6.95	8.99	.14	11.13	4.69	
2011-12	4.69	9.37	.12	8.30	5.63	
2012-13	5.63					

^aIncludes non-Florida & foreign imports & Florida non-member & chilled GJ in FCGJ.

SOURCE: Processors' Statistics Reports

^bMay not calculate due to rounding.

^cAdjusted.

^dIncludes definitional adjustment.

Florida CGJ Inventories, Pack and Movement

Oct-Sep	Beginning	Pa	nck		Ending
Season ^b	Inventory	From Fruit	From Concentrate	Movement	Inventory ^a
			million SSE gallons	S	
1990-91	3.14	11.13	27.22 b	31.66	NA
1991-92	NA	12.60	25.13 ^b	31.78	NA
1992-93	NA	23.09	38.10 ^b	37.66	NA
1993-94	6.77	29.31	16.93	42.99	10.02
1994-95	10.02	29.31	17.56	44.66	12.25
1995-96	12.25	31.90	12.02	45.29	10.93
1996-97	10.93	37.21	13.60	46.90	14.84
1997-98	14.84	36.30	14.75	53.04	12.89
1998-99	12.89	39.38	15.50	56.39	11.38
1999-00	11.38	51.78	6.27	47.53	21.91
2000-01	21.91	32.88	3.93	45.75	14.86
2001-02	14.86	33.61	3.81	39.00	13.44
2002-03	13.44	32.43	2.52	39.62	11.74
2003-04	11.74	34.28	.03	34.45	12.03 ^c
2004-05	12.03 ^c	16.01	.03	19.50	11.73
2005-06	11.73	21.96	.01	20.67	12.51
2006-07	12.51	26.60		23.56	13.84
2007-08	13.84	30.99		25.09	17.43
2008-09	17.43	21.87	.01	29.20	10.27
2009-10	10.27	27.54		23.27	14.26
2010-11	14.26	23.85	.02	24.41	14.34
2011-12	14.34	22.92	.77	22.71	14.02
2012-13	14.02				

^aMay not calculate due to rounding.

SOURCE: Processors' Statistics Reports

^bInventories include domestic receipts of non-Florida product and receipts of Florida product from non-reporting entities.

^cAdjusted to "standard" 10.0° Brix gallons.

Florida CSSGJ Inventories, Pack and Movement

Oct-Sep	Beginning	Pa	ıck		Ending Inventory ^a	
Season	Inventory	From Fruit	From Concentrate	Movement		
		r	nillion SSE gallons			
1978-79	12.02	52.06	4.52	58.37	10.23	
1979-80	10.23	49.62	6.42	54.75	11.52	
1980-81	11.52	38.02	10.01	48.38	11.16	
1981-82	11.16	37.90	15.17	49.84	14.40	
1982-83	14.40	19.80	19.53	45.55	8.17	
1983-84	8.17	14.00	18.10	34.53	5.75	
1984-85	5.75	17.58	18.04	37.02	4.35	
1985-86	4.35	15.12	18.45	32.81	5.11	
1986-87	5.11	12.13	18.19	30.47	4.96	
1987-88	4.96	10.51	15.55	26.57	4.46	
1988-89	4.46	8.09	18.76	26.61	4.71	
1989-90	4.71	4.78	15.42	22.21	2.70	
1990-91	2.70	4.30	18.24	22.51	2.73	
1991-92	2.73	3.14	16.51	20.35	2.02	
1992-93	2.02	2.81	16.60	18.85	2.58	
1993-94	2.58	1.36	16.78	18.56	2.16	
1994-95	2.16	1.45	16.23	18.02	1.82	
1995-96	1.82	.72	15.17	16.24	1.48	
1996-97	1.48	.76	14.01	15.00	1.25	
1997-98	1.25	NA	NA	16.53	1.47	
1998-99 ^b	1.47					

^aMay not calculate due to rounding deliveries.

^bCSSGJ no longer reported.

Florida Orange On-Tree Earnings Per Box

Season		lidseason		encia		otal
	Fresh	Proc.	Fresh	Proc.	Fresh	Proc.
			-	r 90-lb. box - ·		
1990-91	8.30	5.17	8.60	6.35	8.46	5.66
1991-92	9.40	5.03	6.70	6.65	8.52	5.69
1992-93	4.50	3.15	2.54	3.95	3.81	3.46
1993-94	6.75	3.56	4.25	4.63	5.98	3.98
1994-95	4.00	3.21	4.20	4.42	4.07	3.72
1995-96	4.95	3.54	6.45	5.53	5.46	4.35
1996-97	4.50	3.11	4.70	4.04	4.57	3.49
1997-98	3.70	2.76	4.20	4.90	3.85	3.68
1998-99	8.30	4.12	9.40	5.32	8.78	4.59
1999-00	5.55	3.07	4.95	4.31	5.37	3.60
2000-01	4.00	2.53	4.80	3.99	4.29	3.16
2001-02	4.65	2.79	5.25	4.17	4.84	3.41
2002-03	5.75	2.42	5.30	3.80	5.61	3.05
2003-04	4.65	2.09	2.85	3.67	3.87	2.85
2004-05	7.60	2.54	5.80	4.17	6.87	3.31
2005-06	6.20	4.60	5.00	6.38	5.80	5.49
2006-07	12.10	8.70	15.40	11.55	13.25	10.12
2007-08	8.15	5.79	7.20	7.30	7.83	6.57
2008-09	6.40	5.02	3.60	6.60	5.36	5.78
2009-10	10.10	5.71	9.85	7.95	10.01	6.82
2010-11	10.05	6.93	10.20	9.70	10.10	8.34
2011-12 ^a	10.35	6.90	10.65	8.80	10.45	7.85

^aPreliminary. SOURCE: FASS

Florida Grapefruit On-Tree Earnings Per Box

		ite		ored	To	Total		
Season	Fresh	Proc.	Fresh	Proc.	Fresh	Proc.		
			dollars pei					
1990-91	8.60	2.16	8.95	1.42	8.83	2.08		
1991-92	10.20	4.41	8.05	3.71	8.69	4.20		
1992-93	5.30	1.26	4.70	.56	4.86	1.06		
1993-94	7.55	1.69	4.70	1.13	5.52	1.51		
1994-95	6.75	1.39	3.05	23	4.00	.83		
1995-96	5.88	.88	2.96	06	3.71	.56		
1996-97	5.23	18	3.26	.20	3.74	01		
1997-98	5.38	65	2.85	05	3.42	33		
1998-99	6.80	.29	4.52	.28	5.04	.30		
1999-00	9.78	2.35	5.52	1.60	6.52	1.98		
2000-01	6.53	.87	4.30	.29	4.81	.59		
2001-02	6.54	.91	4.92	.17	5.25	.56		
2002-03	7.57	.36	5.13	.21	5.63	.29		
2003-04	7.50	.50	7.27	.70	7.32	.60		
2004-05	21.32	5.73	19.11	4.76	19.51	5.13		
2005-06	16.09	5.03	13.40	3.78	13.96	4.29		
2006-07	9.04	.76	9.61	1.18	9.51	.99		
2007-08	9.70	.41	10.20	.81	10.11	.63		
2008-09	6.30	.62	8.50	.44	8.17	.52		
2009-10	13.95	2.96	12.60	2.93	12.82	2.94		
2010-11	13.20	3.34	10.55	3.73	10.99	3.58		
2011-12 ^a	12.05	4.65	10.40	4.68	10.64	4.67		

^aPreliminary. SOURCE: FASS

Total On-Tree Earnings of the Florida Citrus Industry

Season	Oranges	Temples	Grape- fruit	Tang- erines	Tangelos	K-Early	Limes	Lemons	Total		
thousand dollars											
1997-98	900,815	6,898	63,000	44,126	4,723	-53	3,035	839	1,023,383		
1998-99	900,044	9,208	108,411	59,763	11,560	145	6,413	1,516	1,097,060		
1999-00	856,052	4,971	188,332	46,622	5,549	68	6,728	201	1,108,523		
2000-01	716,055	2,565	100,869	35,867	2,671	84	2,999	921	862,031		
2001-02	797,602	3,395	107,653	51,554	5,307	36	929	299	966,775		
2002-03	643,804	2,615	94,518	46,217	6,114	b	b	2,061	795,329		
2003-04	699,927	1,502	136,295	48,464	7,484	b	b	b	893,672		
2004-05	522,892	1,615	172,365	53,503	3,794	b	b	b	754,169		
2005-06	813,322	2,214	149,655	51,907	7,512	b	b	b	1,024,610		
2006-07	1,325,742	С	120,280	58,152	10,298	b	b	b	1,514,472		
2007-08	1,125,348	С	117,507	36,830	4,309	b	b	b	1,283,994		
2008-09	937,069	С	82,696	24,986	1,984	b	b	b	1,046,735		
2009-10	929,915	С	152,156	45,134	3,902	b	b	b	1,131,107		
2010-11	1,181,898	С	132,747	47,558	6,423	b	b	b	1,368,626		
2011-12 ^a	1,166,841	С	135,350	38,554	11,101	b	b	b	1,351,846		

^aPreliminary.

^bNo longer reported.

^cTemples included with oranges.

Delivered-In Prices Reported by Florida Citrus Processors
Association for Oranges Purchased^a

		Aften Midesesson	Combined		
Season/Item ^b	To Midseason Break	After Midseason Break	Early/Midseason		
		Бгеак	and Valencia		
2003-04 ^c					
Priced Boxes	30,633,873	26,892,151	57,526,024		
\$/PS Average	.648933	.765251	.707304		
\$/Box Average	3.710253	5.020571	4.322798		
<u>2004-05</u>					
Priced Boxes	23,252,092	19,881,954	43,134,046		
\$/PS Average	.798043	1.028422	.909710		
\$/Box Average	4.784269	6.782594	5.705365		
2005-06					
Priced Boxes	24,427,462	28,187,251	52,614,712		
\$/PS Average	1.156686	1.466807	1.333074		
\$/Box Average	6.864509	9.949923	8.517456		
<u>2006-07</u>					
Priced Boxes	25,652,286	29,934,337	55,586,623		
\$/PS Average	1.949092	2.225154	2.105940		
\$/Box Average	12.096146	15.569794	13.966764		
2007-08					
Priced Boxes	27,072,004	29,047,935	56,119,938		
\$/PS Average	1.389960	1.385165	1.387342		
\$/Box Average	8.775844	9.800748	9.306339		
2008-09					
Priced Boxes	20,854,062	14,663,518	35,517,580		
\$/PS Average	1.009965	1.133625	1.064156		
\$/Box Average	6.276532	7.815865	6.912050		
2009-10 ^d					
Priced Boxes	18,683,526	15,458,991	34,142,517		
\$/PS Average	1.321558	1.586967	1.448262		
\$/Box Average	7.910448	10.487129	9.077113		
2010-11 ^d					
Priced Boxes	21,417,523	17,146,612	38,564,135		
\$/PS Average	1.528001	1.837561	1.673837		
\$/Box Average	9.100566	12.176811	10.468344		
2011-12 ^d					
Priced Boxes	21,376,094	17,686,111	39,062,205		
\$/PS Average	1.768706	2.038792	1.897237		
\$/Box Average	11.097080	14.037984	12.428627		

^aExcludes participation and intermediate prices, and prices for oranges purchased for chilled orange juice production.

^bTotal boxes and weighted average price of spot, contract, and final prices combined.

^cExcludes chilled orange juice production.

^dIn order to accurately report the total boxes and prices reported during the season, boxes that are reported in the month prior to the official start of the season are included in the following season.

SOURCE: Processors' Statistics Reports

Delivered-In Prices Reported by Florida Citrus Processors Association for Grapefruit Purchased

Season/Item	White	Colored	Combined
2003-04	•		
Priced Boxes	5,641,239	2,372,097	8,013,336
\$/PS Average	.493767	.490457	.492743
\$/Box Average	2.127092	2.250097	2.163504
2004-05			
Priced Boxes	927,887	1,415,237	2,343,124
\$/PS Average	1.884147	1.817692	1.843014
\$/Box Average	8.395907	8.626136	8.534964
2005-06			
Priced Boxes	2,159,375	3,157,416	5,316,791
\$/PS Average	2.343180	1.874818	2.059679
\$/Box Average	10.119715	8.492313	9.153270
2006-07			
Priced Boxes	2,298,216	2,841,651	5,139,867
\$/PS Average	.694941	.657774	.673897
\$/Box Average	3.349633	3.346866	3.348103
2007-08			
Priced Boxes	3,919,432	3,876,471	7,795,903
\$/PS Average	.576178	.522523	.548555
\$/Box Average	2.729923	2.656154	2.693242
2008-09			
Priced Boxes	2,376,880	3,158,131	5,535,011
\$/PS Average	.585195	.648937	.622628
\$/Box Average	2.682537	3.185626	2.969586
2009-10 ^a			
Priced Boxes	2,117,531	1,603,361	3,720,892
\$/PS Average	1.161781	1.118270	1.142544
\$/Box Average	5.515225	5.556240	5.532898
2010-11 ^a			
Priced Boxes	2,366,765	2,366,978	4,733,743
\$/PS Average	1.240731	1.299146	1.271174
\$/Box Average	5.786112	6.593248	6.189698
2011-12 ^a			
Priced Boxes	2,503,669	2,451,624	4,955,293
\$/PS Average	1.506843	1.538184	1.522664
\$/Box Average	7.401543	7.865760	7.631214

^aIn order to accurately report the total boxes and prices reported during the season, boxes that are reported in the month prior to the official start of the season are included in the following season.

SOURCE: Processors' Statistics Reports

Nielsen Retail OJ Sales, U.S.a,b

Dec-Nov	FCOJ			R-T-S OJ (except canned)			Canned OJ			Total OJ		
Season	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
1972-73	425.0	524.1	1.23	100.3	176.1	1.76	27.1	42.7	1.58	552.4	742.9	1.34
1973-74	460.9	587.4	1.27	110.7	203.6	1.84	28.5	47.8	1.68	600.1	838.8	1.40
1974-75	498.6	687.2	1.38	132.5	250.0	1.89	28.2	53.1	1.88	659.2	990.3	1.50
1975-76	521.3	735.4	1.41	160.9	310.2	1.93	27.4	56.0	2.04	709.5	1,101.6	1.55
1976-77	497.3	849.4	1.71	188.9	411.5	2.18	28.7	65.5	2.28	714.9	1,326.4	1.86
1977-78	446.9	999.7	2.24	204.1	545.2	2.67	30.0	84.7	2.82	681.0	1,629.6	2.39
1978-79	457.1	1,097.0	2.40	223.4	655.1	2.93	28.2	90.3	3.20	708.6	1,842.3	2.60
1979-80	501.1	1,178.1	2.35	277.6	824.8	2.97	29.3	95.1	3.25	808.0	2,098.0	2.60
1980-81	491.7	1,341.9	2.73	289.0	964.8	3.34	27.2	98.4	3.62	807.9	2,405.1	2.98
1981-82	484.0	1,382.3	2.86	295.0	1,020.3	3.46	24.9	95.5	3.83	803.9	2,498.0	3.11
1982-83	493.7	1,380.7	2.80	345.8	1,156.2	3.34	23.1	90.7	3.93	862.6	2,627.6	3.05
1983-84	457.4	1,483.4	3.24	378.3	1,418.3	3.75	20.3	91.0	4.49	856.0	2,992.7	3.50
1984-85	425.9	1,502.3	3.53	373.4	1,511.8	4.05	18.0	87.8	4.89	817.2	3,102.0	3.80
1985-86	429.5	1,244.0	2.90	437.2	1,550.2	3.55	17.3	77.0	4.44	884.0	2,871.0	3.25
1986-87	393.9	1,166.3	2.96	447.6	1,626.1	3.63	16.6	73.8	4.45	858.1	2,866.2	3.34
1987-88	353.1	1,245.2	3.53	427.4	1,840.2	4.31	15.9	77.7	4.89	796.5	3,163.1	3.97

^aThis data series is no longer available. For current data see pages 64-67.

^bNumbers may not calculate due to rounding.

Nielsen Retail OJ Sales in Grocery Stores >\$2 Million Annual Sales

Oct-Sept	Frozen			Refriç	Refrigerated - NFC		Refrigerated - Recon			Total OJ ^a		
Season	Volume	Value	Price ^b	Volume	Value	Price ^b	Volume	Value	Price ^b	Volume	Value	Price ^b
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
1988-89	321.9	1,046.3	3.25	105.4	524.8	4.98	313.4	1,164.3	3.72	755.2	2,811.8	3.72
1989-90	286.9	1,044.3	3.64	112.6	618.7	5.50	288.1	1,201.6	4.17	701.9	2,944.6	4.20
1990-91	305.4	944.6	3.09	125.7	652.9	5.20	309.7	1,177.8	3.80	754.2	2,848.0	3.78
1991-92	290.1	897.9	3.10	140.6	735.5	5.23	305.7	1,170.1	3.83	749.9	2,874.4	3.83
1992-93	287.3	777.7	2.71	175.4	833.7	4.75	332.6	1,067.4	3.21	807.9	2,742.1	3.39
1993-94	263.6	720.3	2.73	191.6	882.3	4.60	336.2	1,071.3	3.19	803.8	2,732.6	3.40
1994-95	243.3	660.8	2.72	207.5	965.5	4.65	345.0	1,090.3	3.16	806.7	2,768.6	3.43
1995-96	218.8	635.9	2.91	216.4	1,031.2	4.76	344.3	1,159.6	3.37	789.9	2,877.1	3.64
1996-97	197.1	594.2	3.01	223.8	1,098.4	4.91	365.8	1,289.2	3.52	796.4	3,030.3	3.80
1997-98	179.4	518.8	2.89	260.9	1,240.7	4.76	369.6	1,277.0	3.46	818.9	3,082.6	3.76
1998-99	154.7	487.8	3.15	286.4	1,488.7	5.20	344.5	1,320.4	3.83	794.4	3,344.1	4.21
1999-00	139.6	455.9	3.26	293.8	1,602.1	5.45	366.9	1,429.8	3.90	808.5	3,532.2	4.37

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Nielsen Retail OJ Sales in Grocery Stores >\$2 Million Annual Sales

Oct-Sept		Frozen		Refri	gerated - N	IFC	Refrig	erated - Re	econ		Total OJ ^a	
Season	Volume	Value	Price ^b	Volume	Value	Price ^b	Volume	Value	Price ^b	Volume	Value	Price ^b
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
2000-01	122.9	397.5	3.24	320.0	1,727.1	5.40	356.2	1,397.0	3.92	806.4	3,561.6	4.42
2001-02	100.2	328.9	3.28	335.1	1,770.9	5.28	322.9	1,255.8	3.89	766.7	3,401.3	4.44
2002-03	81.7	279.2	3.42	342.3	1,780.4	5.20	293.8	1,139.3	3.88	725.2	3,238.8	4.47
2003-04	66.6	226.2	3.40	339.6	1,736.2	5.11	266.8	1,004.1	3.76	679.5	3,002.0	4.42
2004-05	57.4	194.5	3.39	321.7	1,712.5	5.32	266.8	996.4	3.73	651.6	2,934.9	4.50
2005-06	49.9	177.9	3.57	316.3	1,736.7	5.49	228.8	920.6	4.02	598.7	2,854.1	4.77
2006-07	43.1	193.6	4.49	276.7	1,818.9	6.57	186.2	939.7	5.05	509.2	2,975.0	5.84
2007-08	39.2	188.3	4.80	265.9	1,808.1	6.80	174.1	883.8	5.08	482.3	2,905.5	6.02
2008-09	36.1	172.3	4.78	253.0	1,685.8	6.66	189.5	850.9	4.49	482.7	2,737.2	5.67
2009-10	29.4	138.4	4.70	248.0	1,635.7	6.59	184.7	805.4	4.36	464.6	2,596.7	5.59
2010-11	25.4	125.3	4.94	241.4	1,675.3	6.94	164.9	790.4	4.79	433.5	2,605.1	6.01
2011-12	21.5	110.2	5.14	229.4	1,671.2	7.29	143.5	719.9	5.02	395.7	2,512.8	6.35
2012-13												

^aTotal includes shelf stable product not listed separately in this table.

^bReflects actual price paid after discounts (coupons, sales, etc.).

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Nielsen Retail OJ Sales in All Outlet Stores^a

Oct-Sept		Frozen		Refri	gerated - N	IFC	Refrig	erated - Re	econ		Total OJ	
Season	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
1998-99	165.0	517.2	3.13	287.0	1,508.5	5.26	391.2	1,500.6	3.84	852.6	3,576.4	4.19
1999-00	149.3	479.8	3.21	311.4	1,671.9	5.37	403.4	1,582.9	3.92	872.5	3,780.3	4.33
2000-01	135.5	429.6	3.17	346.4	1,835.4	5.30	398.8	1,578.8	3.96	888.7	3,886.6	4.37
2001-02	112.8	363.5	3.22	363.4	1,906.9	5.25	375.8	1,457.9	3.88	861.2	3,777.5	4.39
2002-03	95.3	317.3	3.33	379.7	1,959.8	5.16	352.9	1,355.3	3.84	836.4	3,677.2	4.40
2003-04	79.2	262.7	3.32	386.7	1,961.8	5.07	333.9	1,248.0	3.74	807.3	3,511.6	4.35
2004-05	69.3	228.5	3.30	370.8	1,955.2	5.27	348.2	1,294.0	3.72	795.0	3,514.0	4.42
2005-06	60.9	211.8	3.48	372.0	2,026.6	5.45	306.5	1,221.4	3.98	745.3	3,494.6	4.69
2006-07	54.6	238.1	4.36	332.0	2,156.8	6.50	258.0	1,285.3	4.98	650.4	3,716.4	5.71
2007-08	49.3	230.2	4.67	323.3	2,177.3	6.73	245.3	1,239.2	5.05	623.7	3,684.7	5.91
2008-09	45.2	210.7	4.66	314.5	2,077.7	6.61	263.6	1,203.1	4.56	628.6	3,527.5	5.61
2009-10	38.6	175.3	4.54	310.7	2,036.4	6.55	255.9	1,129.9	4.42	608.6	3,366.5	5.53
2010-11	35.2	164.0	4.66	306.4	2,115.9	6.91	230.9	1,103.7	4.78	575.1	3,403.6	5.92
2011-12	30.5	146.6	4.81	295.3	2,140.8	7.25	203.4	1,016.0	5.00	531.0	3,319.4	6.25
2012-13												

^aData include supercenter sales through 11/24/01 and Walmart estimates thereafter through 2/20/10.

Nielsen Retail OJ Sales, Expanded All Outlets Combined (xAOC)^a

Oct-Sept		Frozen		Refrigerated - NFC		Refrigerated - Recon			Total OJ ^b			
Season	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price
	million SSE gals.	mil.\$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil.\$	\$/gal.
2010-11	37.2	170.6	4.59	326.9	2,237.0	6.84	251.0	1,210.3	4.82	617.9	3,638.4	5.89
2011-12	32.1	152.6	4.75	317.1	2,275.9	7.18	221.2	1,118.1	5.05	572.4	3,562.9	6.23
2012-13												

^aExpanded All Outlets Combined (xAOC) data are for U.S. grocery stores doing \$2 million and greater annual sales, drug stores doing \$1 million and greater annual sales, mass merchandisers, Walmart, club (Sam's and BJ's), dollar stores (Dollar General, Family Dollar and Fred's), and military/DECA. Walmart data is point-of sale (POS) data.

Nielsen Retail GJ Sales, Expanded All Outlets Combined (xAOC)^a

Oct-Sept		Frozen		R-T-S NFC		R-T-S Recon			Total OJ			
Season	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
2010-11	0.5	2.1	4.53	12.7	88.8	6.99	7.1	40.8	5.76	20.3	131.7	6.50
2011-12	0.4	2.0	4.50	11.7	85.3	7.32	6.7	38.6	5.77	18.8	125.9	6.70
2012-13												

^aExpanded All Outlets Combined (xAOC) data are for U.S. grocery stores doing \$2 million and greater annual sales, drug stores doing \$1 million and greater annual sales, mass merchandisers, Walmart, club (Sam's and BJ's), dollar stores (Dollar General, Family Dollar and Fred's), and military/DECA. Walmart data is point-of sale (POS) data.

^bTotal includes shelf stable product not listed separately in this table.

NOTES

Nielsen Retail GJ Sales, U.S. a,b

Dec-Nov		FCGJ			R-T-S GJ		С	anned GJ			Total GJ	
Season			•	-	ept canne		<u> </u>					_
	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
1976-77	10.9	18.7	1.72	21.4	52.6	2.46	64.1	125.0	1.95	96.4	196.3	2.04
1977-78	12.2	23.7	1.94	25.2	69.4	2.75	68.3	142.0	2.08	105.7	235.1	2.22
1978-79	14.1	28.6	2.03	29.0	85.7	2.96	61.2	146.7	2.40	104.3	261.1	2.50
1979-80	13.7	32.4	2.36	29.9	101.5	3.39	53.0	151.2	2.85	96.6	285.1	2.95
1980-81	14.0	36.5	2.61	29.8	113.6	3.81	47.7	148.9	3.12	91.5	299.1	3.27
1981-82	13.5	35.3	2.61	27.8	113.0	4.06	49.4	142.2	2.88	90.7	290.4	3.20
1982-83	13.9	32.0	2.30	28.3	112.8	3.99	47.4	129.4	2.73	89.6	274.1	3.06
1983-84	13.2	32.4	2.45	28.5	117.9	4.14	39.8	128.7	3.23	81.5	278.9	3.42
1984-85	14.0	37.6	2.69	34.2	150.4	4.40	42.4	151.8	3.58	90.6	339.8	3.75
1985-86	12.3	35.8	2.90	36.6	163.0	4.45	36.0	134.4	3.73	85.0	333.2	3.92
1986-87	10.9	34.1	3.13	37.0	174.3	4.71	30.2	118.7	3.93	78.1	327.1	4.19
1987-88	9.7	33.1	3.41	35.5	175.4	4.94	26.7	109.9	4.12	71.9	318.4	4.43

^aThis data series is no longer available. For current data see pages 67, 70-73.

^bNumbers may not calculate due to rounding.

Nielsen Retail GJ Sales in Grocery Stores >\$2 Million Annual Sales^a

Oct-Sept		Frozen		Carton	/Plastic/G	Blass	Can	ned/Asep	tic	-	Total GJ	
Season	Volume	Value	Price ^b	Volume	Value	Price ^b	Volume	Value	Price ^b	Volume	Value	Price ^b
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
1988-89	8.8	28.8	3.29	28.3	126.4	4.46	21.8	79.3	3.64	59.0	234.9	3.98
1989-90	7.8	27.2	3.49	26.4	126.5	4.80	19.3	71.4	3.70	53.6	225.6	4.21
1990-91	7.3	24.9	3.39	27.9	135.6	4.87	18.9	69.2	3.67	54.2	230.2	4.25
1991-92	6.7	23.0	3.44	26.8	135.1	5.04	17.3	63.8	3.69	50.9	222.3	4.37
1992-93	5.9	19.9	3.36	27.1	134.1	4.96	13.7	53.3	3.90	46.8	207.6	4.44
1993-94	5.4	17.6	3.23	29.3	140.6	4.80	12.9	47.9	3.72	47.7	206.2	4.32
1994-95	5.0	15.5	3.13	28.9	138.5	4.79	12.0	43.0	3.58	45.9	197.1	4.29
1995-96	4.8	14.5	3.05	28.5	140.3	4.91	12.0	41.8	3.47	45.3	196.6	4.34
1996-97	4.5	13.7	3.07	30.5	150.3	4.93	11.6	40.1	3.46	46.6	204.2	4.38
1997-98	4.2	12.9	3.05	35.2	170.3	4.84	13.5	47.2	3.49	53.0	230.4	4.35
1998-99	4.0	12.2	3.07	38.0	193.8	5.11	12.3	45.6	3.70	54.3	251.7	4.64
1999-00	2.6	9.0	3.42	35.5	192.4	5.42	8.6	36.5	4.27	46.6	237.8	5.10

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Nielsen Retail GJ Sales in Grocery Stores >\$2 Million Annual Sales^a

Oct-Sept		Frozen		Cartor	n/Plastic/G	Blass	Can	ned/Asep	tic		Total GJ	
Season	Volume	Value	Price ^b	Volume	Value	Price ^b	Volume	Value	Price ^b	Volume	Value	Price ^b
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
2000-01	2.3	8.2	3.59	31.5	173.9	5.52	6.6	30.3	4.58	40.5	212.5	5.25
2001-02	2.1	7.4	3.45	26.9	146.8	5.45	5.7	25.9	4.54	34.8	180.1	5.18
2002-03	1.6	5.9	3.60	25.1	132.3	5.26	5.1	23.1	4.49	31.9	161.2	5.05
2003-04	1.3	4.5	3.61	22.8	117.2	5.15	4.1	18.7	4.55	28.1	140.4	4.99
2004-05	1.1	3.8	3.57	15.6	97.8	6.27	3.0	16.3	5.39	19.7	117.9	5.99
2005-06	0.6	2.5	4.07	13.2	90.3	6.83	2.2	13.3	5.96	16.0	106.0	6.61
2006-07	0.4	1.9	4.71	13.6	92.3	6.77	1.9	11.3	6.10	15.9	105.5	6.64
2007-08	0.4	1.9	4.85	15.5	105.7	6.83	1.7	10.2	5.95	17.6	117.8	6.70
2008-09	0.3	1.6	4.87	15.6	102.7	6.60	1.6	9.3	5.95	17.4	113.6	6.51
2009-10	0.3	1.3	4.74	15.4	101.1	6.57	1.0	6.1	6.16	16.6	108.5	6.52
2010-11	0.2	1.1	4.94	14.8	101.3	6.83	0.6	4.0	7.31	15.6	106.4	6.82
2011-12	0.2	0.9	5.19	13.8	97.8	7.06	0.4	3.1	7.92	14.4	101.9	7.06
2012-13												

^aNumbers may not calculate due to rounding.

^bReflects actual price paid after discounts (coupons, sales, etc.).

Nielsen Retail GJ Sales in All Outlet Stores^a

Oct-Sept		Frozen		R	-T-S NF	C		T-S Reco			Total GJ	
Season	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
1999-00	3.0	10.0	3.29	22.2	125.0	5.64	26.3 b	119.4 ^b	4.50 b	51.8	254.4	4.91
2000-01	2.5	8.8	3.51	20.4	114.7	5.63	23.4	111.2	4.76	46.3	234.8	5.08
2001-02	2.4	8.1	3.35	18.8	104.0	5.53	18.6	86.6	4.64	39.9	198.6	4.98
2002-03	1.8	6.4	3.48	17.9	94.1	5.26	17.1	78.8	4.60	36.8	179.4	4.87
2003-04	1.6	5.4	3.40	17.0	87.1	5.13	15.4	69.4	4.49	34.0	161.9	4.76
2004-05	1.6	5.2	3.25	11.2	71.0	6.35	11.6	63.5	5.49	24.3	139.7	5.74
2005-06	1.3	4.2	3.37	9.1	64.1	7.03	10.0	59.0	5.90	20.4	127.4	6.25
2006-07	0.9	3.6	4.03	9.5	66.3	6.97	9.4	54.9	5.85	19.8	124.8	6.30
2007-08	0.9	3.7	4.14	12.6	87.1	6.92	8.3	49.2	5.92	21.8	140.1	6.42
2008-09	8.0	3.3	4.26	12.4	84.0	6.75	7.9	46.1	5.83	21.1	133.3	6.32
2009-10	0.5	2.1	4.45	12.8	85.8	6.70	7.2	42.3	5.88	20.5	130.2	6.36
2010-11	0.5	2.1	4.55	12.6	88.3	7.00	6.7	38.9	5.81	19.8	129.3	6.54
2011-12	0.4	1.9	4.51	11.6	84.9	7.33	6.4	37.0	5.82	18.4	123.8	6.74
2012-13												

^aData include supercenter sales through 3/18/00 and Walmart estimates thereafter through 2/20/10. ^bIncludes unidentified GJ.

Nielsen Retail GJ and GJ Cocktail Sales in Grocery Stores^a >\$2 Million Annual Sales

Oct-Sept	R	R-T-S NFC	;	R-	T-S Reco	on		Total GJ		G	J Cockta	il
Season	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price	Volume	Value	Price
	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.	million SSE gals.	mil. \$	\$/gal.
1999-00	20.7	118.2	5.70	23.3 a	110.7 a	4.75 ^a	46.6	237.8	5.10	15.8	78.5	4.97
2000-01	19.2	109.2	5.70	19.0	95.0	5.01	40.5	212.5	5.25	14.1	70.6	5.00
2001-02	18.2	101.3	5.56	14.4	71.5	4.96	34.8	180.1	5.18	12.4	63.2	5.11
2002-03	17.1	90.2	5.29	13.2	65.1	4.93	31.9	161.2	5.05	10.4	54.2	5.20
2003-04	15.7	81.0	5.16	11.2	54.9	4.90	28.1	140.4	4.99	9.6	50.3	5.26
2004-05	9.5	62.1	6.54	9.1	52.1	5.69	19.7	117.9	5.99	8.5	45.3	5.32
2005-06	7.9	57.2	7.24	7.5	46.3	6.15	16.0	106.0	6.61	7.6	41.5	5.47
2006-07	8.2	59.5	7.22	7.2	44.1	6.09	15.9	105.5	6.64	7.3	41.1	5.65
2007-08	10.7	76.1	7.13	6.5	39.9	6.10	17.6	117.8	6.70	6.8	39.3	5.77
2008-09	10.8	74.2	6.90	6.7	39.2	5.86	17.4	113.6	6.51	6.5	37.9	5.79
2009-10	10.6	72.8	6.86	6.0	35.7	5.94	16.6	108.5	6.52	6.3	36.3	5.75
2010-11	10.5	73.6	7.02	4.9	29.6	6.05	15.6	104.3	6.68	6.2	35.8	5.75
2011-12	9.7	72.7	7.46	4.5	28.2	6.28	14.4	101.9	7.06	5.9	35.9	6.06
2012-13												

^aIncludes unidentified GJ.

Nielsen Total OJ Market Ranking

Over \$2MM Grocers - 2011-12 Season

Rank	Market	Mil Gal	Rank	Market	Mil Gal
	TOTAL U.S.	393.710			
1	NEW YORK	33.971	26	GRAND RAPIDS	4.599
2	LOS ANGELES	20.928	27	SALT LAKE CITY/BOISE	4.349
3	PHILADELPHIA	15.917	28	INDIANAPOLIS	3.935
4	MIAMI	11.721	29	SAN DIEGO	3.900
5	WASHINGTON D.C.	11.546	30	SACRAMENTO	3.886
6	CHICAGO	11.523	31	MILWAUKEE	3.787
7	DETROIT	10.055	32	ST. LOUIS	3.736
8	TAMPA	9.128	33	COLUMBUS	3.646
9	SAN FRANCISCO	8.640	34	ALBANY	3.372
10	ATLANTA	8.408	35	CHARLOTTE	3.248
11	PHOENIX	7.548	36	SYRACUSE	3.237
12	HOUSTON	7.451	37	NASHVILLE	3.063
13	HARTFORD/NEW HAVEN	6.385	38	KANSAS CITY	3.052
14	SEATTLE	6.374	39	LOUISVILLE	2.974
15	CLEVELAND	6.148	40	NEW ORLEANS/MOBILE	2.919
16	DENVER	6.085	41	JACKSONVILLE	2.619
17	MINNEAPOLIS	5.971	42	GREENVILLE	2.538
18	RALEIGH/DURHAM	5.407	43	MEMPHIS	2.237
19	DALLAS/FT. WORTH	5.360	44	BIRMINGHAM	2.231
20	ORLANDO	5.337	45	LAS VEGAS	2.185
21	BUFFALO/ROCHESTER	5.049	46	OKLAHOMA CITY/TULSA	2.156
22	PORTLAND	4.978	47	OMAHA	1.882
23	PITTSBURGH	4.974	48	WEST TEXAS	1.511
24	RICHMOND/NORFOLK	4.841	49	DES MOINES	1.414
25	CINCINNATI	4.769	50	LITTLE ROCK	1.355
				REMAINING U.S.	69.556

Nielsen Total GJ Market Ranking

Over \$2MM Grocers - 2011-12 Season

Rank	Market	Mil Gal	Rank	Market	Mil Gal
	TOTAL U.S.	14.247			
1	NEW YORK	1.374	25	BUFFALO/ROCHESTER	0.135
2	MIAMI	0.821	26	GRAND RAPIDS	0.131
3	LOS ANGELES	0.654	27	SALT LAKE CITY/BOISE	0.123
4	TAMPA	0.562	28	CINCINNATI	0.123
5	PHILADELPHIA	0.469	29	PITTSBURGH	0.122
6	WASHINGTON D.C.	0.421	30	INDIANAPOLIS	0.119
7	SAN FRANCISCO	0.401	31	ALBANY	0.112
8	CHICAGO	0.352	32	GREENVILLE	0.110
9	ORLANDO	0.295	33	COLUMBUS	0.106
10	DETROIT	0.287	34	ST. LOUIS	0.099
11	SEATTLE	0.278	35	NEW ORLEANS/MOBILE	0.097
12	PHOENIX	0.264	36	NASHVILLE	0.095
13	DENVER	0.263	37	MILWAUKEE	0.094
14	HOUSTON	0.251	38	SYRACUSE	0.086
15	PORTLAND	0.233	39	LOUISVILLE	0.086
16	HARTFORD/NEW HAVEN	0.202	40	MEMPHIS	0.078
17	RALEIGH/DURHAM	0.201	41	KANSAS CITY	0.076
18	DALLAS/FT. WORTH	0.191	42	LAS VEGAS	0.070
19	MINNEAPOLIS	0.191	43	OKLAHOMA CITY/TULSA	0.069
20	RICHMOND/NORFOLK	0.189	44	WEST TEXAS	0.049
21	CLEVELAND	0.175	45	LITTLE ROCK	0.048
22	JACKSONVILLE	0.170	46	ОМАНА	0.037
23	SACRAMENTO	0.155	47	DES MOINES	0.032
24	SAN DIEGO	0.149		REMAINING U.S.	2.197

OJ Buyer Demographics Gallons Per Buying Household

			rei buy	9				
Demographic	10/28/01- 10/26/02	10/27/02- 10/25/03	10/26/03- 10/23/04	11/21/04- 11/19/05	10/30/05- 10/28/06	10/29/06- 10/27/07	01/01/09- 12/31/09	10/30/11- 10/27/12
				gall	ons			
<u>AGE</u>								
Under 35	7.51	7.26	7.27	7.07	6.10	5.42	5.61	4.28
35 to 44	8.69	8.41	8.21	7.44	7.03	6.06	6.21	5.13
45 to 54	8.78	8.38	8.47	7.61	7.29	6.32	6.21	5.30
55 to 64	8.93	8.62	8.45	7.76	7.33	6.70	6.49	5.09
65 and Over	9.84	9.80	9.62	8.95	8.23	7.42	6.91	5.80
HH SIZE								
1 Member	7.05	7.26	6.88	6.32	6.06	5.31	5.43	4.73
2 Members	8.88	8.34	8.30	7.66	7.07	6.64	6.27	5.30
3 to 4 Members	9.10	9.00	8.85	8.23	7.57	6.55	6.68	5.40
5 or More	10.66	10.58	10.13	9.23	8.52	6.99	7.60	5.62
INCOME								
Under \$20,000	6.87	7.18	6.94	6.36	5.80	5.09	5.01	4.40
\$20,000-29,999	7.96	7.77	8.04	7.25	6.45	5.90	5.70	4.82
\$30,000-39,999	8.83	8.08	8.41	7.94	6.80	6.05	6.14	4.88
\$40,000-49,999	9.11	8.98	8.31	7.53	7.16	6.11	6.05	4.96
\$50,000-69,999	9.20	9.21	8.97	8.08	7.44	6.55	6.45	5.25
\$70,000+	10.15	9.88	9.44	8.93	8.05			
\$70,000-99,999						6.89	6.94	5.56
\$100,000+						7.25	7.45	6.21
<u>KIDS</u>								
None Under 18	8.50	8.37	8.14	7.52	6.98	6.29	6.30	5.25
Under 18	9.22	8.94	8.79	8.08	7.50	6.47	6.54	5.28

OJ Buyer Demographics Household Penetration (% Buying)

	<u> </u>	lousello	u reneu	ation (70	Duying)			
Demographic	10/28/01- 10/26/02	10/27/02- 10/25/03	10/26/03- 10/23/04	11/21/04- 11/19/05	10/30/05- 10/28/06	10/29/06- 10/27/07	01/01/09- 12/31/09	10/30/11- 10/27/12
				%	%			
<u>AGE</u>								
Under 35	83.42	84.25	82.85	79.91	78.99	76.47	76.12	71.59
35 to 44	83.43	81.62	81.94	80.05	80.13	75.17	75.51	72.80
45 to 54	81.91	81.36	78.92	76.82	77.48	71.27	71.29	68.06
55 to 64	80.68	79.66	78.59	76.60	74.63	70.29	68.97	62.53
65 and Over	81.43	81.08	79.74	79.80	76.20	72.07	69.64	64.28
HH SIZE								
1 Member	70.46	69.40	67.18	66.04	64.20	59.20	57.54	51.31
2 Members	81.33	80.79	79.58	77.40	75.80	71.65	70.85	65.35
3 to 4 Members	84.81	84.80	83.77	82.14	81.81	77.02	77.33	73.01
5 or More	87.86	86.79	85.48	84.41	82.37	79.06	79.93	75.29
INCOME								
Under \$20,000	72.45	71.33	70.62	69.20	68.20	61.06	59.77	54.49
\$20,000-29,999	78.66	75.30	76.54	73.88	70.61	66.34	64.64	60.53
\$30,000-39,999	78.68	80.04	77.52	77.25	74.66	69.24	68.15	63.39
\$40,000-49,999	81.50	82.04	80.75	78.30	74.60	71.53	72.58	65.25
\$50,000-69,999	84.34	84.29	81.57	79.71	77.49	73.41	72.95	69.16
\$70,000+	85.73	85.95	83.68	82.34	80.19			
\$70,000-99,999						75.38	75.20	69.85
\$100,000+						77.31	76.39	70.91
<u>KIDS</u>								
None Under 18	77.85	76.78	75.40	73.67	71.52	67.30	66.21	60.50
Under 18	85.24	85.45	83.94	82.25	82.17	77.37	78.28	74.51
SOLIRCE: Nielsen								

GJ Buyer Demographics Gallons Per Buying Household

Dama amankia	10/28/01-	10/27/02-	10/26/03-	11/21/04-	10/30/05-	10/29/06-	01/01/09-	10/30/11-		
Demographic	10/26/02	10/25/03	10/23/04	11/19/05	10/28/06	10/27/07	12/31/09	10/27/12		
gallons										
<u>AGE</u>										
Under 35	1.64	1.55	2.11	1.86	1.32	1.35	1.37	1.31		
35 to 44	2.14	2.34	2.01	1.86	1.84	1.90	1.84	1.48		
45 to 54	2.85	2.82	2.52	1.80	2.27	1.72	1.89	2.03		
55 to 64	2.55	2.55	2.38	2.26	2.34	2.04	2.26	2.23		
65 and Over	2.81	2.56	2.56	2.58	2.52	2.39	1.94	1.76		
HH SIZE										
1 Member	2.82	2.35	2.56	2.20	2.31	2.20	2.24	2.13		
2 Members	2.99	2.96	2.77	2.31	2.50	2.17	2.23	2.04		
3 to 4 Members	2.43	2.24	2.29	2.11	1.92	1.85	1.59	1.61		
5 or More	2.15	1.94	1.82	1.51	1.36	1.17	1.62	1.81		
INCOME										
Under \$20,000	2.05	2.06	2.16	1.53	1.60	1.39	1.77	1.57		
\$20,000-29,999	2.86	1.93	2.12	2.12	1.70	1.73	1.82	1.71		
\$30,000-39,999	2.26	2.24	2.53	1.95	1.56	1.52	1.94	2.11		
\$40,000-49,999	2.97	2.25	2.29	1.84	2.44	1.73	1.42	1.94		
\$50,000-69,999	3.21	3.31	2.90	2.72	2.43	2.27	2.03	1.97		
\$70,000+	2.74	2.76	2.66	2.47	2.50					
\$70,000-99,999						2.32	2.64	2.31		
\$100,000+						2.30	1.90	1.82		
<u>KIDS</u>										
None Under 18	3.00	2.69	2.62	2.27	2.38	2.19	2.21	2.08		
Under 18	2.04	2.02	2.13	1.88	1.73	1.54	1.49	1.53		

GJ Buyer Demographics Household Penetration (% Buying)

			u reneu					
Demographic	10/28/01- 10/26/02	10/27/02- 10/25/03	10/26/03- 10/23/04	11/21/04- 11/19/05	10/30/05- 10/28/06	10/29/06- 10/27/07	01/01/09- 12/31/09	10/30/11- 10/27/12
					%			
<u>AGE</u>								
Under 35	9.95	11.58	9.41	7.36	6.41	6.78	6.07	4.64
35 to 44	13.55	12.30	11.33	8.22	8.32	7.78	7.11	5.27
45 to 54	15.78	13.41	11.79	8.94	8.61	8.72	7.73	6.23
55 to 64	14.47	12.76	12.45	8.58	8.34	8.75	7.28	6.38
65 and Over	11.47	10.30	9.56	6.96	6.66	6.13	6.21	6.09
HH SIZE								
1 Member	11.89	11.32	10.75	7.18	6.16	6.91	6.70	5.64
2 Members	14.27	12.32	11.45	8.73	8.26	8.46	7.74	6.73
3 to 4 Members	13.53	12.57	11.17	8.38	7.88	7.49	7.34	5.65
5 or More	11.71	12.85	10.20	7.66	8.28	8.22	5.87	5.20
INCOME								
Under \$20,000	11.74	10.51	10.27	7.25	6.54	6.62	6.02	5.46
\$20,000-29,999	12.15	11.27	9.82	7.22	7.07	6.84	7.25	4.95
\$30,000-39,999	12.13	11.42	10.03	8.38	7.80	7.46	5.79	5.75
\$40,000-49,999	13.05	12.29	11.79	8.37	7.40	7.33	7.04	5.70
\$50,000-69,999	13.86	12.26	12.14	8.25	7.29	7.78	7.42	5.37
\$70,000+	15.24	15.15	12.34	9.24	8.47			
\$70,000-99,999						8.16	7.83	6.06
\$100,000+						9.34	8.05	7.74
<u>KIDS</u>								
None Under 18	13.59	12.28	11.48	8.22	7.50	7.80	7.30	6.17
Under 18	12.32	12.02	10.18	7.89	7.76	7.61	6.85	5.50

U.S. Per Capita Beverage Consumption

	0.0.	Bottled	Soft			ted Fruit		
Year	Milk		Drinks ^b	OJ	GJ	Apple		Total ^a
					ons			
1970	31.3	NA	24.3	3.7	.6	.5	.2	5.5
1975	29.5	NA	28.2	4.7	.7	.6	.2	6.7
1980	27.6	2.7	35.1	5.0	.6	1.1	.2	7.4
1985	26.7	5.1	35.7	4.8	.6	1.5	.2	7.7
1990	25.7	8.8	46.2	3.3	.9	1.7	.3	7.0
1995	23.9	11.6	47.4	4.7	.6	1.6	.4	8.1
1996	23.8	12.4	46.6	5.2	.6	1.7	.4	8.6
1997	23.4	13.4	46.8	5.2	.6	1.5	.4	8.4
1998	23.0	14.4	47.9	5.8	.6	1.8	.3	9.1
1999	22.9	15.8	49.7	5.5	.6	1.8	.4	9.0
2000	22.5	16.7	49.3	5.5	.5	1.8	.3	8.9
2001	22.0	18.2	46.7	5.2	.5	1.8	.3	8.5
2002	21.9	20.1	46.6	5.0	.5	1.8	.4	8.3
2003	21.6	21.6	46.4	4.9	.4	1.9	.4	8.4
2004	21.3	23.2	52.5	4.9	.4	2.1	.4	8.5
2005	21.0	25.4	51.7	4.8	.2	1.9	.5	8.1
2006	21.0	27.6	50.6	4.4	.2	2.2	.4	7.9
2007	20.6	29.0	48.8	4.1	.3	2.3	.6	7.9
2008	20.8	28.5	46.9	3.8	.3	2.1	.4	6.9
2009	20.6	27.6	45.3	3.9	.3	2.1	.4	7.4
2010	20.1	28.3	44.6	3.7	.2	2.2	.4	7.2
2011								

^aIncludes lemon, lime, pineapple, cranberry & prune juice.

SOURCE: USDA-ERS

^bBeverage Marketing Corporation

Nutrition Values of Citrus

	REFERENCE	J	UICE		FRESH				
ITEM	VALUE	ORANGE	GRAPEFRUIT	ORANGES	GRAPEFRUIT	TANGERINES			
SERVING SIZE		1 c	up/8-oz.	154g/ 1 med. fruit	154g/ 1 med. fruit	109g/ 1 med. fruit			
		Amount Per Serving (% Daily Value)							
Calories	2000	110	90	70	60	50			
Calories from Fat	NA	0	0	0	0	0			
Cholesterol	<300 mg	0	0	0	0	0			
Total Fat	65 g	0	0	0	0	0			
Saturated Fat	20 g	0	0	0	0	0			
Sodium	<2400 mg	0	0	0	0	0			
Potassium	3500 mg	450 (13%)	300 (9%)	260 (7%)	230 (7%)	180 (5%)			
Total Carbohydrates	400 g	26 (9%)	22 (7%)	21 (7%)	16 (5%)	15 (5%)			
Sugar	NA	22	20	14	10	8			
Protein	50 g	2	1	1	1	1			
Dietary Fiber	25 g	0 (0%)	0 (0%)	7 (28%)	6 (24%)	3 (12%)			
Folate	400 mcg	60 (15%)	24 (6%)	40 (10%)	16 (4%)	8 (2%)			
Vitamin A	5000 IU	0 (0%)	0 (0%) 600 (12%) ^a	100 (2%)	750 (15%) ^a	750 (15%)			
Vitamin C	60 mg	72 (120%)	60 (100%)	78 (130%)	66 (110%)	30 (50%)			
Calcium	1000 mg	20 (2%)	20 (2%)	60 (6%)	20 (2%)	40 (4%)			
Thiamin	1.5 mg	.15 (10%)	.09 (6%)	.15 (10%)	.06 (4%)	.12 (8%)			
Magnesium	400 mg	24 (6%)	24 (6%)	16 (4%)	16 (4%)	16 (4%)			

SOURCE: Daily values are based on a 2000 calorie diet for moderately active adults. FDA National Fact (61 FR at 42761) 5/21/96; FDOC Scientific Research (04/11/05).

^aColored Varieties

U.S. Grade A Frozen Concentrated Juice Standards

SCORING FACTORS	ORANGE	GRAPEFRUIT		
Color	Minimum 36 points, but OJ 5 color tube	Minimum 18 points		
Defects	Minimum 18 points	Minimum 18 points		
Flavor	Minimum 36 points	Minimum 54 points		
Minimum Total Score	90 points ^a	90 points ^a		
OTHER FACTORS				
Ratio	12.5:1 to 19.5:1	9.0:1 to 14.0:1		
Concentrate Brix	Minimum 41.8°	Minimum 38.0°		
Reconstituted Brix	Minimum 11.8°	Minimum 10.6°		
Sinking Pulp	No requirement	Maximum 10%		
Recoverable Oil	Maximum 0.035%	Maximum 0.020%		
Gel Test	No requirement	No requirement		
Washed Pulp Solids	In-line permitted	Not permitted		

^aThe lowest score of any <u>one</u> factor (color, defects, or flavor) determines the grade even though the total score for the product places it in a higher grade. Florida requires that FCOJ scored Grade B must have a Grade A Flavor. SOURCE: Federal Register.

U.S. Grade A
Concentrated Juice for Manufacturing
Standards

SCORING FACTORS	ORANGE	GRAPEFRUIT
Color	Minimum 36 points, but OJ 6 color tube	Minimum 18 points
Defects	Minimum 18 points	Minimum 18 points
Flavor	Minimum 36 points	Minimum 54 points
Minimum Total Score	90 points	90 points
OTHER FACTORS		
Ratio	8:1 to 24:1	Minimum 6.0:1
Concentrate Brix	Minimum 20°	
Reconstituted Brix	Minimum 11.8°	
Sinking Pulp	No requirement	Maximum 10%
Recoverable Oil	No requirement	No requirement
Gel Test	No requirement	No requirement
Washed Pulp Solids	In-line permitted	Not permitted

SOURCE: Federal Register.

U.S. Grade A
Juice from Concentrate Standards

SCORING FACTORS	ORANGE	GRAPEFRUIT		
Color	Minimum 36 points, but OJ 5 color tube	Minimum 18 points		
Defects	Minimum 18 points	Minimum 18 points		
Flavor	Minimum 36 points	Minimum 54 points		
Minimum Total Score	90 points	90 points		
OTHER FACTORS				
Ratio	12.5 to 20.5:1	8.0:1 to 14.0:1		
° Brix	Minimum 11.8°	Minimum 10.0°		
Sinking Pulp	No requirement	Maximum 10%		
Recoverable Oil	Maximum 0.035%	Maximum 0.020%		
Washed Pulp Solids	In-line permitted	Not permitted		

SOURCE: Federal Register.

U.S. Grade A Juice Standards

SCORING FACTORS	ORANGE	GRAPEFRUIT		
Color	Minimum 36 points	Minimum 18 points		
Defects	Minimum 18 points	Minimum 18 points		
Flavor	Minimum 36 points	Minimum 54 points		
Minimum Total Score	90 points	90 points		
OTHER FACTORS				
Ratio	12.5 to 20.5:1	8.0:1 to 14.0:1		
° Brix	Minimum 11.0°	Minimum 9.0°		
Sinking Pulp	No requirement	Maximum 10%		
Recoverable Oil	Maximum 0.035%	Maximum 0.020%		
Washed Pulp Solids	Not permitted	Not permitted		

SOURCE: Federal Register.

Florida Orange Standards

Mir	nimum Total Solid	ls (%)		Solids to Acid Minimum Ratio			num Total Solid	ds (%)	Solids to Acid Minimum Ratio		
a 8.0	to (not incl)	8.1	10.50	to	1	9.6	to (not incl)	9.7	9.70	to	1
8.1	II .	8.2	10.45	to	1	9.7	"	9.8	9.65	to	1
8.2	II .	8.3	10.40	to	1	9.8	"	9.9	9.60	to	1
8.3	"	8.4	10.35	to	1	9.9	"	10.0	9.55	to	1
8.4	"	8.5	10.30	to	1	10.0	"	10.1	9.50	to	1
^b 8.5	II	8.6	10.25	to	1	10.1	"	10.2	9.45	to	1
8.6	II .	8.7	10.20	to	1	10.2	"	10.3	9.40	to	1
° 8.7	"	8.8	10.15	to	1	10.3	"	10.4	9.35	to	1
8.8	"	8.9	10.10	to	1	10.4	"	10.5	9.30	to	1
8.9	II .	9.0	10.05	to	1	10.5	"	10.6	9.25	to	1
d 9.0	"	9.1	10.00	to	1	10.6	"	10.7	9.20	to	1
9.1	"	9.2	9.95	to	1	10.7	"	10.8	9.15	to	1
9.2	"	9.3	9.90	to	1	10.8	"	10.9	9.10	to	1
9.3	"	9.4	9.85	to	1	10.9	"	11.0	9.05	to	1
9.4	II .	9.5	9.80	to	1	11.0	and above		9.00	to	1 e
9.5	II .	9.6	9.75	to	1						

NEW VARIETIES: Ambersweet (orange), Sunburst & Fallglo (tangerines) Not exempt. (Page, Osceola, Lee, Robinson, Dancy, K-Early, Ortanique and Pummelo exempt from inspection.)

NOTE 1: Until December 1 of each year, all oranges for processing must meet fresh fruit requirements unless otherwise noted. From December 1 through July 31, no juice content, minimum acid or color break requirements for processed fruit. Apply minimum solids and ratio requirements as indicated in table.

NOTE 2: For color break requirements and individual fruit testing, see Citrus Fruit Laws.

^aMinimum solids for processing December 1 through July 31.

^bMinimum solids for oranges fresh November 16 through July 31, and processing November 16 through November 30.

^cMinimum solids for oranges November 1 through November 15.

^dMinimum solids for oranges August 1 through October 31.

e11.00 and higher solids, minimum 9.00 to 1 ratio. Juice requirements 4½ gallons per box, minimum acid 0.40.

Florida Grapefruit Standards

Mir	Minimum Total Solids (%)			Solids to Acid Minimum Ratio			Minimum Total Solids (%)			Solids to Acid Minimum Ratio		
^a 6.5												
b 7.0			- 7.00	to	1	10.4	to (not incl)	10.5	6.40	to	1	
° 7.5			7.50	to	1 °	10.5	II .	10.6	6.375	to	1	
d 8.0 —			8.00	to	1 f	10.6	II .	10.7	6.35	to	1	
8.1	to (not incl)	9.1	7.00	to	1	10.7	11	10.8	6.325	to	1	
9.1	II	9.2	6.95	to	1	10.8	11	10.9	6.30	to	1	
9.2	II	9.3	6.90	to	1	10.9	11	11.0	6.275	to	1	
9.3	II .	9.4	6.85	to	1	11.0	"	11.1	6.25	to	1	
9.4	II	9.5	6.80	to	1	11.1	11	11.2	6.225	to	1	
9.5	II	9.6	6.75	to	1	11.2	11	11.3	6.20	to	1	
9.6	II	9.7	6.70	to	1	11.3	11	11.4	6.175	to	1	
9.7	II	9.8	6.65	to	1	11.4	11	11.5	6.15	to	1	
9.8	II	9.9	6.60	to	1	11.5	11	11.6	6.125	to	1	
9.9	II	10.0	6.55	to	1	11.6	11	11.7	6.10	to	1	
10.0	II	10.1	6.50	to	1 ⁹	11.7	11	11.8	6.075	to	1	
10.1	II .	10.2	6.475	to	1	11.8	"	11.9	6.05	to	1	
10.2	n .	10.3	6.45	to	1	11.9	"	12.0	6.025	to	1	
10.3	II .	10.4	6.425	to	1	12.0	and above		6.00	to	1 h	

^aMinimum solids all grapefruit for processing, Jan. 1 through July 31.

NOTE 1: Until Dec. 1 of each year, all grapefruit for processing must meet fresh fruit requirements unless otherwise noted. From Dec. 1 through July 31, no juice content, minimum acid or color break requirements for processed fruit. Apply minimum solids and ratio requirements as indicated in table.

NOTE 2: For color break requirements and individual fruit testing, see Citrus Fruit Laws.

^bMinimum solids seedless grapefruit fresh, Jan. 1 through July 31. Minimum solids all grapefruit for processing, Dec. 1 through Dec. 31.

⁶ Minimum solids seedy grapefruit fresh, Jan. 1 through July 31. Minimum solids seedless grapefruit for processing, Aug. 1 through Nov 30. Minimum solids seedless grapefruit fresh, Aug. 1, through Dec. 31.

^dMinimun solids seedy grapefruit for processing, Aug. 1 through Nov. 30. Minimum solids seedy grapefruit fresh, Aug. 1 through Dec. 31.

eMinimum 7.50 ratio packinghouse eliminations for processing, Aug. 1 through Jan 31. Less than 7.50 to 1 but meeting minimum maturity, beverage base only.

fMinimum 8.00 ratio field run grapefruit for processing, Aug. 1 through Jan. 31. Sections and eliminations thereof must meet minimum maturity.

⁹Minimum 6.50 ratio for sectionizing, Jan. 1 through April 14. Minimum 6.50 ratio for all grapefruit for processing, Feb. 1 through April 14.

^hMinimum 6.00 ratio for all grapefruit, April 15 through July 31.

Florida Grapefruit Juice Requirements

D.O.C. 20-34.006

Weight/Weight Method: 4-1/4" in diameter or less requires a minimum 52% juice content. Greater than 4-1/4" in diameter requires a minimum 49% juice content.

Size	Aug. 1 through Nov. 15	Nov. 16 through March 1	March 2 through July 31	Juice Content						
	cubic centimeters per grapefruit									
14	400	380	360	49						
18	350	335	320	49						
23	305	290	275	49						
27	275	265	250	49						
32	245	230	220	52						
36	230	220	210	52						
40	210	200	190	52						
48	185	180	170	52						
56	170	165	155	52						
64	165	160	150	52						

Florida Temple Orange Standards

	Min	imum Total Solids	Solids to Acid Minimum Ratio			
а	9.0	to (not incl)	9.1	9.0	to	1
	9.1	11	9.2	8.9	to	1
	9.2	11	9.3	8.8	to	1
	9.3	II	9.4	8.7	to	1
	9.4	II	9.5	8.6	to	1
	9.5	II	9.6	8.5	to	1 b
	9.6	11	9.7	8.4	to	1
	9.7	11	9.8	8.3	to	1
	9.8	11	9.9	8.2	to	1
	9.9	11	10.0	8.1	to	1
	10.0	11	10.1	8.0	to	1
	10.1	11	10.2	7.9	to	1
	10.2	11	10.3	7.8	to	1
	10.3	"	10.4	7.7	to	1
	10.4	"	10.5	7.6	to	1
	10.5	and above		7.5	to	1 ^c

^aMinimum solids for all Temples.

<u>NOTE 1</u>: Until December 1 of each year, all Temples for processing must meet fresh fruit requirements unless otherwise noted. From December 1 through July 31, no juice content, minimum acid or color break requirements for processed fruit. Apply minimum solids and ratio requirements as indicated in tables.

SOURCE: FDACS

NOTE 2: For color break requirements and individual fruit testing, see Citrus Fruit Laws.

^b8150 to 1 minimum ratio for fresh.

^c8150 to 1 minimum ratio for processing.

Florida Tangerine Standards^a (November 15 through July 31)

	Mini	mum Total Solids	Solids to Acid Minimum Ratio			
b	8.75	to (not incl)	9.1	8.75	to	1
	9.10	п	9.2	8.65	to	1
	9.20	II	9.3	8.55	to	1
	9.30	II	9.4	8.45	to	1
	9.40	п	9.5	8.35	to	1
	9.50	II	9.6	8.25	to	1
	9.60	II	9.7	8.15	to	1
	9.70	II	9.8	8.05	to	1
	9.80	II	9.9	7.95	to	1
	9.90	II	10.0	7.85	to	1
	10.00	п	10.1	7.75	to	1
	10.10	п	10.2	7.65	to	1
	10.20	п	10.3	7.55	to	1
	10.30	II	10.4	7.45	to	1
	10.40	п	10.5	7.35	to	1
	10.50	and above		7.25	to	1

^aMurcotts fresh: maximum 1.00 acid any ratio, 1.01 acid and up minimum 12.00 to 1 ratio.

<u>NOTE 1</u>: Until December 1 of each year, all tangerines for processing must meet fresh fruit requirements unless otherwise noted. From December 1 through July 31, no juice content, minimum acid or color break requirements for processed fruit. Apply minimum solids and ratio requirements as indicated in tables.

NOTE 2: For color break requirements and individual fruit testing, see Citrus Fruit Laws.

Murcotts processed: minimum 10 to 1 ratio.

^bMinimum solids November 15 through July 31.

Florida Tangerine Standards^a (August 1 through November 14)

	Mir	nimum Total Solids	Solids to Acid Minimum Ratio			
b	9.0	to (not incl)	9.1	9.0	to	1
	9.1	11	9.2	8.9	to	1
	9.2	11	9.3	8.8	to	1
	9.3	11	9.4	8.7	to	1
	9.4	11	9.5	8.6	to	1
	9.5	11	9.6	8.5	to	1
	9.6	11	9.7	8.4	to	1
	9.7	11	9.8	8.3	to	1
	9.8	11	9.9	8.2	to	1
	9.9	11	10.0	8.1	to	1
	10.0	11	10.1	8.0	to	1
	10.1	11	10.2	7.9	to	1
	10.2	11	10.3	7.8	to	1
	10.3	n	10.4	7.7	to	1
	10.4	II	10.5	7.6	to	1
	10.5	and above		7.5	to	1

^aMurcotts fresh: maximum 1.00 acid any ratio, 1.01 acid and up minimum 12.00 to 1 ratio.

<u>NOTE 1</u>: Until December 1 of each year, all tangerines for processing must meet fresh fruit requirements unless otherwise noted. From December 1 through July 31, no juice content, minimum acid or color break requirements for processed fruit. Apply minimum solids and ratio requirements as indicated in tables..

NOTE 2: For color break requirements and individual fruit testing, see Citrus Fruit Laws.

Murcotts processed: minimum 10 to 1 ratio.

^bMinimum solids August 1 through November 14.

Florida Tangelo Standards^a

Minimum Total Solids (%)		Solids to Acid Minimum Ratio			Minimum Total Solids (%)		Solids to Acid Minimum Ratio					
b	8.0	to (not incl)	8.1	10.50	to	1	10.1	to (not incl)	10.2	9.45	to	1
	8.1	"	8.2	10.45	to	1	10.2	"	10.3	9.40	to	1
	8.2	"	8.3	10.40	to	1	10.3	"	10.4	9.35	to	1
	8.3	"	8.4	10.35	to	1	10.4	"	10.5	9.30	to	1
	8.4	"	8.5	10.30	to	1	10.5	"	10.6	9.25	to	1
С	8.5	"	8.6	10.25	to	1	10.6	"	10.7	9.20	to	1
	8.6	"	8.7	10.20	to	1	10.7	"	10.8	9.15	to	1
	8.7	"	8.8	10.15	to	1	10.8	"	10.9	9.10	to	1
	8.8	"	8.9	10.10	to	1	10.9	"	11.0	9.05	to	1
	8.9	"	9.0	10.05	to	1	11.0	"	11.1	9.00	to	1
d	9.0	"	9.1	10.00	to	1	11.1	"	11.2	8.95	to	1
	9.1	"	9.2	9.95	to	1	11.2	"	11.3	8.90	to	1
	9.2	"	9.3	9.90	to	1	11.3	"	11.4	8.85	to	1
	9.3	"	9.4	9.85	to	1	11.4	"	11.5	8.80	to	1
	9.4	"	9.5	9.80	to	1	11.5	"	11.6	8.75	to	1
е	9.5	"	9.6	9.75	to	1	11.6	"	11.7	8.70	to	1
	9.6	"	9.7	9.70	to	1	11.7	"	11.8	8.65	to	1
	9.7	"	9.8	9.65	to	1	11.8	"	11.9	8.60	to	1
	9.8	"	9.9	9.60	to	1	^f 11.9	and above		8.55	to	1
	9.9	"	10.0	9.55	to	1	g See I	Below		8.00	to	1
	10.0	II	10.1	9.50	to	1						

^aMinimum acid 0.40 Tangelo.

NOTE 1: Until December 1 of each year, all tangelos for processing must meet fresh fruit requirements unless otherwise noted. From December 1 through July 31, no juice content, minimum acid or color break requirements for processed fruit. Apply minimum solids and ratio requirements as indicated in table.

NOTE 2: For color break requirements and individual fruit testing, see Citrus Fruit Laws.

^bMinimum solids for processing November 16 through November 30.

^cMinimum solids for processing November 1 thru November 15. Minimum solids for fresh November 16 through November 30.

^dMinimun solids for processing August 1 through October 31. Minimum solids for fresh November 1 through November 15.

^eMinimum solids for fresh August 1 through October 31.

^fFlat 8.55 to 1 ratio for fresh December 1 through January 31, with NO minimum solids.

⁹Flat 8 to 1 ratio for fresh Feb. 1 through July 31, with NO minimum solids. Flat 8 to 1 ratio for processing Dec. 1 through July 31, with NO minimum solids.

Glossary of Acronyms

CAC: Citrus Administrative Committee

CACEX: Carteira de Comercio Exterior

CGJ: Chilled Grapefruit Juice

COJ: Chilled Orange Juice

CPI: Consumer Price Index

CSSGJ: Canned Single-Strength Grapefruit Juice

CSSOJ: Canned Single-Strength Orange Juice

DECEX: Departamento de Comercio Exterior

EMRD: Economic and Market Research Department

FAO: Food and Agriculture Organization of the United Nations

FAS: Foreign Agricultural Service

FASS: Florida Agricultural Statistics Service

FCBJ: Frozen Concentrated Blended Juice

FCGJ: Frozen Concentrated Grapefruit Juice

FCM: Florida Citrus Mutual

FCOJ: Frozen Concentrated Orange Juice

FCPA: Florida Citrus Proc. Assoc. (Replaced by Processor Reports)

FCTJ: Frozen Concentrated Tangerine Juice

FDACS: Florida Department of Agriculture and Consumer Services

FDOC: Florida Department of Citrus

FOB: Free on Board

FRED: Food and Resource Economics Department

GJ: Grapefruit Juice

ICE: Intercontinental Exchange

IFAS: Institute of Food and Agricultural Sciences

MT: Metric Ton

NA: Not Available

NASS: National Agricultural Statistics Service

NFC: Not From Concentrate

NSPF: Not Specifically Provided For

OJ: Orange Juice

PS: Pounds Solids

RTS: Ready to Serve

SSE: Single Strength Equivalent

UF: University of Florida

USDA: United States Department of Agriculture

NOTES

Florida Department of Citrus Economic and Market Research Department

