

CULTIVAR	SAMPLE LOCATION	DATE	NUMBER OF FRUIT PER SAMPLE	TOTAL LENGTH PER SAMPLE (cm)	TOTAL WIDTH PER SAMPLE (cm)	LENGTH /WIDTH RATIO	TOTAL WT PER SAMPLE (grams)	MEAN WEIGHT PER FRUIT (grams)	EXTERNAL COLOR BASED ON COLOR CHART	TEXTURE BASED ON CHART	TOTAL RIND THICKNESS PER SAMPLE (mm)	TOTAL SEEDS PER SAMPLE	INTERIOR COLOR DESCRIPTION	TOTAL JUICE WT. PER SAMPLE (grams)	% JUICE	TSS (TOTAL SOLUBLE SOLIDS)	% ACID (BASED ON CITRIC ACID)	RATIO (TSS / % ACID)
CAFFIN	Riverside	9/26/1995	10	38.8	41.7	0.9	396.6	39.7	3.5	1.5	24.0	24.0	LT.-GRN.OR.	187.5	47.3	13.6	2.2	6.3
CAFFIN	Riverside	9/26/1995	10	38.4	39.6	1.0	363.1	36.3	3.5	2.0	24.0	28.0	PALE GRN.-OR.	151.1	41.6	12.0	1.9	6.4
CAFFIN	Riverside	10/17/1995	10	44.9	46.9	1.0	622.2	62.2	4.5	2.0	25.0	69.0	LIGHT ORANGE	268.3	43.1	14.0	1.8	8.0
CAFFIN	Riverside	10/17/1995	10	45.1	47.8	0.9	651.7	65.2	4.5	2.0	26.0	51.0	LIGHT ORANGE	282.7	43.4	13.1	1.4	9.5
CAFFIN	Riverside	11/7/1995	10	51.4	61.8	0.8	1039.0	103.9	8.9	3.0	35.0	72.0	LT.-MED. ORANGE	470.9	45.3	14.4	1.1	13.0
CAFFIN	Riverside	11/7/1995	10	54.2	60.5	0.9	1062.1	106.2	5.5	3.0	29.0	40.0	MEDIUM ORANGE	543.7	51.2	14.0	1.0	13.7
CAFFIN	Riverside	11/30/1995	10	51.9	62.5	0.8	1061.5	106.2	10.0	3.0	36.0	79.0	MEDIUM ORANGE	500.7	47.2	14.6	0.9	15.7
CAFFIN	Riverside	11/30/1995	10	54.4	60.9	0.9	1090.2	109.0	10.0	3.0	30.0	51.0	MEDIUM ORANGE	562.4	51.6	14.4	0.9	16.7
CAFFIN	Irvine	11/13/1996	10	56.3	69.5	0.8	1354.3	135.4	13.0	4.0	37.0	91.0	BRIGHT ORANGE	584.7	43.2	12.0	0.8	15.3
CAFFIN	Lindcove	12/2/1996	9	51.3	57.9	0.9	1070.0	118.9	13.0	7.0	39.0	80.0	BRIGHT ORANGE	467.0	43.6	13.3	0.8	16.4
CAFFIN	Lindcove	10/20/1997	9	47.4	49.7	1.0	776.6	86.3	7.5	3.0	26.0	48.0	LIGHT ORANGE	351.7	45.3	11.1	0.8	14.3
CAFFIN	Lindcove	10/20/1997	10	52.5	54.3	1.0	833.5	83.4	7.0	3.0	29.0	53.0	LT.-MED. ORANGE	433.1	52.0	11.6	0.9	13.1
CAFFIN	Irvine	10/20/1997	10	52.3	60.3	0.9	1010.1	101.0	6.0	2.0	28.0	87.0	MED.-BRT. OR.	521.5	51.6	11.9	1.0	11.5
CAFFIN	Riverside	10/20/1997	5	23.3	25.8	0.9	341.9	68.4	4.5	2.0	10.0	6.0	LT.-MED. ORANGE	178.0	52.1	9.9	0.9	10.6
CAFFIN	Riverside	11/3/1997	10	54.5	65.3	0.8	1266.0	126.6	5.5	2.0	32.0	21.0	LT.-MED. ORANGE	610.1	48.2	9.2	0.7	13.3
CAFFIN	Irvine	11/4/1997	10	51.2	61.3	0.8	1011.7	101.2	12.0	4.0	36.0	61.0	BRIGHT ORANGE	473.6	46.8	12.9	1.0	13.6
CAFFIN	Lindcove	11/6/1997	10	52.6	55.2	1.0	886.0	88.6	12.3	3.0	32.0	35.0	LIGHT ORANGE	414.1	46.7	11.9	0.7	16.5
CAFFIN	Lindcove	11/6/1997	10	52.0	55.3	0.9	865.0	86.5	11.4	3.5	33.0	65.0	LT.-MED. ORANGE	436.8	50.5		0.9	
CAFFIN	Riverside	12/3/1997	10	51.6	61.9	0.8	962.5	96.3	12.4	3.6	41.0	5.0	MEDIUM ORANGE	303.4	31.5	10.2	0.6	16.5
CAFFIN	Irvine	12/5/1997	10	53.6	63.8	0.8	1074.0	107.4	13.0	4.0	37.0	35.0	MEDIUM ORANGE	406.4	37.8	14.5	0.9	16.8
CAFFIN	Lindcove	12/12/1997	10	52.8	57.2	0.9	848.7	84.9	13.0	4.5	34.0	31.0	MEDIUM ORANGE	310.6	36.6	12.9	0.6	23.1
CAFFIN	Lindcove	12/12/1997	10	55.1	60.4	0.9	1033.8	103.4	13.0	4.5	36.0	74.0	MEDIUM ORANGE	445.7	43.1	13.6	0.6	21.4
CAFFIN	Lindcove	11/2/1998	10	51.8	54.3	1.0	771.3	77.1	11.8	3.5	35.0	30.0	LT.-BRT. OR.	361.1	46.8	11.2	1.0	11.0
CAFFIN	Lindcove	11/2/1998	10	52.7	57.0	0.9	891.0	89.1	12.1	3.8	36.0	23.0	BRIGHT ORANGE	434.4	48.8	12.2	1.3	9.2
CAFFIN	Irvine	11/6/1998	10	44.1	54.3	0.8	700.5	70.1	12.5	2.7	36.0	19.0	BRIGHT ORANGE	356.2	50.8	14.6	1.1	10.1
CAFFIN	Irvine	11/6/1998	10	48.6	58.0	0.8	877.3	87.7	8.5	2.5	30.0	53.0	BRIGHT ORANGE	478.9	54.6	12.6	1.0	13.6
CAFFIN	Riverside	11/9/1998	10	45.4	54.0	0.8	684.8	68.5	7.8	2.5	31.0	6.0	MEDIUM ORANGE	280.2	40.9	9.7	0.8	12.1
CAFFIN	Riverside	11/9/1998	10	41.8	47.4	0.9	497.6	49.8	8.5	2.5	26.0	7.0	LT.-MED. ORANGE	237.9	47.8	9.5	0.8	11.9
CAFFIN	Riverside	11/30/1998	10	48.3	58.4	0.8	849.3	84.9	13.0	3.5	36.0	14.0	MEDIUM ORANGE	349.0	41.1	10.8	0.7	15.2
CAFFIN	Riverside	11/30/1998	10	45.4	53.5	0.8	684.5	68.5	13.0	3.0	34.0	16.0	MEDIUM ORANGE	319.8	46.7	10.6	0.8	13.2
CAFFIN	Lindcove	12/1/1998	10	51.6	56.3	0.9	787.8	78.8	13.0	3.5	47.0	26.0	MEDIUM ORANGE	291.2	37.0	12.5	0.8	15.0
CAFFIN	Lindcove	12/1/1998	10	58.4	59.7	1.0	963.8	96.4	13.0	4.5	64.0	21.0	MEDIUM ORANGE	363.5	37.7	13.3	1.3	10.1
CAFFIN	Irvine	12/3/1998	10	44.9	55.4	0.8	731.0	73.1	12.2	3.5	40.0	68.0	BRIGHT ORANGE	312.0	42.7	15.5	1.0	15.5
CAFFIN	Irvine	12/3/1998	10	53.9	64.5	0.8	1089.4	108.9	12.7	3.5	37.0	90.0	BRIGHT ORANGE	449.1	41.2	14.0	0.8	18.6
CAFFIN	Riverside	12/13/1998	9	41.9	50.9	0.8	727.8	80.9	13.0	2.8	31.5	20.0	BRIGHT ORANGE	285.3	39.2	10.6	0.8	13.8
CAFFIN	Riverside	12/13/1998	10	45.4	55.3	0.8	721.1	72.1	13.0	2.6	40.6	17.0	BRIGHT ORANGE	286.7	39.8	9.2	0.7	12.8

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CAFFIN	Lindcove	12/14/1998	10	53.4	58.2	0.9	832.7	83.3	13.0	3.8	54.0	12.0	BRIGHT ORANGE	308.8	37.1	12.9	0.7	18.0
CAFFIN	Lindcove	12/14/1998	10	54.5	59.9	0.9	916.1	91.6	13.0	4.8	54.0	12.0	BRIGHT ORANGE	345.8	37.7	13.9	1.2	12.1
CAFFIN	Irvine	12/16/1998	10	45.2	54.0	0.8	711.2	71.1	13.0	3.5	33.5	54.0	BRIGHT ORANGE	342.7	48.2	16.1	1.0	16.3
CAFFIN	Irvine	12/16/1998	10	49.7	61.3	0.8	975.6	97.6	13.0	3.5	34.0	47.0	BRIGHT ORANGE	495.9	50.8	14.1	0.9	16.6
CAFFIN	Irvine	10/28/1999	10	39.8	48.4	0.8	523.0	52.3	7.0	3.0	27.0	52.0	BRIGHT ORANGE	269.1	51.5	11.6	1.3	8.9
CAFFIN	Lindcove	11/1/1999	10	46.7	51.7	0.9	689.9	69.0	5.2	3.5	28.0	15.0	MEDIUM ORANGE	324.5	47.0	12.5	1.0	12.0
CAFFIN	Lindcove	11/1/1999	10	43.9	48.8	0.9	582.2	58.2	6.0	4.5	35.0	32.0	MEDIUM ORANGE	254.8	43.8	13.4	1.2	11.7
CAFFIN	Irvine	11/29/1999	10	39.6	50.1	0.8	582.4	58.2	13.0	1.5	21.0	33.0	BRIGHT ORANGE	334.5	57.4	12.4	1.1	11.4
CAFFIN	Lindcove	12/2/1999	10	49.0	56.5	0.9	780.1	78.0	12.5	5.0	40.0	17.0	MED.-BRT. OR.	295.4	37.9	13.0	0.8	16.7
CAFFIN	Lindcove	12/2/1999	10	47.2	53.2	0.9	674.8	67.5	13.0	5.0	43.0	30.0	MED.-BRT. OR.	268.5	39.8	14.9	1.1	13.9
CAFFIN	Lindcove	12/13/1999	10	49.7	57.2	0.9	809.9	81.0	12.5	4.0	37.0	20.0	MEDIUM ORANGE	288.6	35.6	14.1	0.9	15.1
CAFFIN	Lindcove	12/13/1999	10	46.2	53.1	0.9	646.4	64.6	12.5	4.0	43.0	45.0	MEDIUM ORANGE	222.9	34.5	15.1	1.1	13.8
CAFFIN	Lindcove	12/13/1999	10	49.7	57.2	0.9	809.9	81.0	12.5	4.0	37.0	20.0	MEDIUM ORANGE	288.6	35.6	14.1	0.9	15.1
CAFFIN	Lindcove	12/13/1999	10	46.2	53.1	0.9	646.4	64.6	12.5	4.0	43.0	45.0	MEDIUM ORANGE	222.9	34.5	15.1	1.1	13.8
CAFFIN	Irvine	12/15/1999	10	42.8	53.7	0.8	670.9	67.1	12.3	3.0	22.0	40.0	DARK ORANGE	392.6	58.5	12.8	1.0	13.2
CAFFIN	Coachella	10/17/2000	5	29.8	28.5	1.0	374.8	75.0	3.5	5.5	19.0	53.0	YEL.-LT. OR.	14.7	3.9	7.2	0.5	13.6
CAFFIN	Riverside	10/31/2000	10	47.9	53.4	0.9	722.5	72.3	12.5	4.0	29.0	38.0	BRIGHT ORANGE	344.7	47.7	12.1	0.7	16.6
CAFFIN	Riverside	10/31/2000	10	50.2	57.7	0.9	882.6	88.3	9.5	4.5	33.0	59.0	BRIGHT ORANGE	399.6	45.3	12.3	0.8	16.4
CAFFIN	Irvine	11/2/2000	10	42.6	46.0	0.9	493.4	49.3	12.0	3.0	27.0	206.0	DARK ORANGE	222.2	45.0	12.7	1.4	9.4
CAFFIN	Riverside	11/20/2000	10	51.2	59.9	0.9	875.7	87.6	13.0	4.5	40.0	24.0	MEDIUM ORANGE	544.3	62.2	12.7	0.7	19.2
CAFFIN	Riverside	11/20/2000	10	50.3	58.0	0.9	833.8	83.4	12.5	3.5	38.0	58.0	MEDIUM ORANGE	368.1	44.1	12.7	0.7	18.8
CAFFIN	Irvine	11/20/2000	10	44.5	49.2	0.9	580.4	58.0	12.0	2.0	24.0	154.0	DARK ORANGE	290.7	50.1	12.6	1.1	11.8
CAFFIN	Riverside	12/10/2000	10	49.7	54.6	0.9	727.0	72.7	12.5	3.5	36.0	30.0	MED.-BRT. OR.	301.2	41.4	13.6	0.7	19.6
CAFFIN	Riverside	12/10/2000	10	54.4	61.6	0.9	896.8	89.7	12.5	6.0	49.0	80.0	MED.-BRT. OR.	276.9	30.9	12.8	0.7	19.8
CAFFIN	Irvine	12/12/2000	10	43.0	47.7	0.9	550.5	55.1	13.0	2.0	25.0	156.0	BRIGHT ORANGE	281.5	51.1	13.6	1.0	14.2
CAFFIN	Irvine	10/27/2001	10	42.9	50.4	0.9	618.6	61.9	11.0	2.5	26.0	36.0	MED.-BRT. OR.	323.6	52.3	12.4	1.1	11.0
CAFFIN	Riverside	10/28/2001	10	55.5	58.4	1.0	1014.4	101.4	10.0	3.5	31.0	0.0	MEDIUM ORANGE	368.2	36.3	10.6	0.8	13.8
CAFFIN	Lindcove	10/30/2001	10	58.9	65.6	0.9	1288.8	128.9	11.5	5.5	40.0	44.0	BRIGHT ORANGE	603.7	46.8	12.2	0.8	14.7
CAFFIN	Lindcove	10/30/2001	10	61.4	65.7	0.9	1302.6	130.3	10.0	5.0	37.0	116.0	MED.-BRT. OR.	494.7	38.0	12.7	0.9	13.9
CAFFIN	Riverside	11/16/2001	10	62.6	62.4	1.0	1240.4	124.0	10.0	4.5	42.0	16.0	LIGHT ORANGE	465.9	37.6	9.9	0.6	16.0
CAFFIN	Riverside	11/16/2001	5	31.1	33.4	0.9	726.5	145.3	11.5	4.0	18.0	2.0	LIGHT ORANGE	338.9	46.6	10.0	0.7	14.7
CAFFIN	Irvine	11/16/2001	10	45.6	55.8	0.8	812.9	81.3	12.5	2.0	29.0	86.0	BRIGHT ORANGE	340.7	41.9	12.6	0.8	15.7
CAFFIN	Lindcove	11/20/2001	10	60.1	67.6	0.9	1285.7	128.6	12.0	6.5	44.0	47.0	MEDIUM ORANGE	481.6	37.5	12.6	0.6	20.0
CAFFIN	Lindcove	11/20/2001	10	65.1	70.4	0.9	1463.2	146.3	11.0	7.0	42.0	89.0	MEDIUM ORANGE	528.9	36.1	12.0	0.7	17.9
CAFFIN	Irvine	12/7/2001	10	45.3	57.2	0.8	795.1	79.5	12.7	2.0	27.0	48.0	BRIGHT ORANGE	376.8	47.4	12.4	0.7	16.8
CAFFIN	Riverside	12/12/2001	10	59.7	64.6	0.9	1184.9	118.5	13.0	3.5	28.0	1.0	BRIGHT ORANGE	372.8	31.5	11.6	0.6	20.7

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CAFFIN	Riverside	12/12/2001	10	63.8	70.7	0.9	1540.7	154.1	13.0	3.5	30.0	0.0	BRIGHT ORANGE	571.7	37.1	10.7	0.5	20.1
CAFFIN	Lindcove	12/13/2001	10	57.0	64.5	0.9	1120.9	112.1	12.0	3.0	34.0	46.0	BRIGHT ORANGE	464.3	41.4	12.3	0.6	19.4
CAFFIN	Lindcove	12/13/2001	10	63.0	72.4	0.9	1459.4	145.9	12.5	4.0	40.0	112.0	BRIGHT ORANGE	537.8	36.9	12.9	0.6	21.0
CAFFIN	Lindcove	10/24/2002	10	55.5	56.4	1.0	903.5	90.4	9.0	4.0	36.0	110.0	MEDIUM ORANGE	344.9	38.2	9.6	0.6	15.4
CAFFIN	Lindcove	10/24/2002	10	54.9	58.2	0.9	949.9	95.0	8.0	4.0	40.0	87.0	MEDIUM ORANGE	352.3	37.1	12.1	0.9	14.0
CAFFIN	Riverside	10/24/2002	10	47.5	53.7	0.9	772.5	77.3	9.5	2.5	29.0	51.0	MEDIUM ORANGE	362.1	46.9	11.0	0.9	12.8
CAFFIN	Riverside	10/24/2002	10	46.2	51.6	0.9	686.9	68.7	11.5	2.5	31.0	65.0	MEDIUM ORANGE	322.9	47.0	11.5	0.7	15.4
CAFFIN	Irvine	10/24/2002	10	42.3	51.1	0.8	623.9	62.4	12.0	2.0	29.0	63.0	BRIGHT ORANGE	240.4	38.5	11.1	1.3	8.5
CAFFIN	Irvine	10/24/2002	10	42.7	51.3	0.8	634.2	63.4	5.0	2.5	24.0	84.0	MEDIUM ORANGE	191.0	30.1	11.1	1.3	8.5
CAFFIN	Coachella	10/31/2002	10	53.6	56.2	1.0	751.5	75.2	10.0	8.0	42.0	104.0	LIGHT ORANGE	71.5	9.5	10.5	0.6	16.5
CAFFIN	Lindcove	11/21/2002	10	57.4	59.1	1.0	991.2	99.1	12.5	5.0	43.0	48.0	BRIGHT ORANGE	368.7	37.2	11.6	0.7	17.9
CAFFIN	Lindcove	11/21/2002	10	55.7	61.1	0.9	1036.1	103.6	12.5	5.0	39.0	86.0	BRIGHT ORANGE	362.9	35.0	13.0	0.7	19.3
CAFFIN	Riverside	11/21/2002	10	51.2	58.7	0.9	957.3	95.7	12.0	2.0	34.0	38.0	BRIGHT ORANGE	481.7	50.3	12.3	0.7	17.8
CAFFIN	Riverside	11/21/2002	10	49.8	55.7	0.9	803.9	80.4	12.0	2.0	31.0	54.0	BRIGHT ORANGE	368.9	45.9	12.5	0.6	20.9
CAFFIN	Irvine	11/21/2002	10	40.2	50.5	0.8	577.1	57.7	12.0	2.0	26.0	60.0	BRIGHT ORANGE	315.8	54.7	11.7	0.9	13.8
CAFFIN	Irvine	11/21/2002	10	45.6	54.8	0.8	770.8	77.1	11.0	2.0	25.0	58.0	BRIGHT ORANGE	405.8	52.6	12.6	0.9	13.5
CAFFIN	Irvine	12/7/2002	10	44.6	55.0	0.8	702.5	70.3	13.0	3.0	30.0	82.0	BRIGHT ORANGE	302.0	43.0	11.8	0.7	16.6
CAFFIN	Irvine	12/7/2002	10	47.9	58.4	0.8	861.9	86.2	12.5	3.0	32.0	76.0	BRIGHT ORANGE	387.1	44.9	12.9	0.9	14.3
CAFFIN	Riverside	12/9/2002	10	53.0	62.5	0.8	1069.6	107.0	13.0	3.0	32.0	22.0	BRIGHT ORANGE	439.2	41.1	12.7	0.7	18.1
CAFFIN	Riverside	12/9/2002	10	50.7	58.3	0.9	922.8	92.3	13.0	3.0	32.0	58.0	BRIGHT ORANGE	419.1	45.4	13.2	0.8	17.2
CAFFIN	Lindcove	12/11/2002	10	60.9	65.2	0.9	1142.3	114.2	13.0	4.0	40.0	34.0	BRIGHT ORANGE	419.2	36.7	9.0	0.6	14.0
CAFFIN	Lindcove	12/11/2002	10	56.8	62.4	0.9	986.2	98.6	13.0	5.0	46.0	96.0	BRIGHT ORANGE	352.3	35.7	10.8	0.8	14.3
CAFFIN	Coachella	10/28/2004	7	40.2	41.1	1.0	592.4	84.6	5.5	3.5	24.0	23.0	PALE YELLOW	NA	NA	NA	NA	NA
CAFFIN	Coachella	10/28/2004	10	59.1	58.7	1.0	763.7	76.4	5.0	5.5	45.0	23.0	PALE YELLOW	NA	NA	NA	NA	NA
CAFFIN	Coachella	10/28/2004	6	35.0	31.0	1.1	375.1	62.5	5.0	4.0	25.0	24.0	PALE YELLOW	NA	NA	NA	NA	NA
CAFFIN	Coachella	10/28/2004	10	62.3	60.0	1.0	774.0	77.4	4.5	4.5	53.0	75.0	PALE YELLOW	NA	NA	NA	NA	NA
CAFFIN	Coachella	10/28/2004	10	61.7	58.5	1.1	768.4	76.8	4.5	4.5	46.0	24.0	PALE YELLOW	NA	NA	NA	NA	NA