

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)
CLEM FINA	Riverside	9/26/1995	10	34.8	36.2	1.0	270.5	27.1	3.5	1.5	24.0	52.0	LT.-GRN.YEL.	101.2	37.4	14.6	3.2	4.5
CLEM FINA	Riverside	9/26/1995	10	33.2	34.9	1.0	237.5	23.8	3.5	1.5	22.0	47.0	LT.-GRN.YEL.	90.2	38.0	12.6	2.6	5.0
CLEM FINA	Riverside	10/17/1995	10	38.6	42.5	0.9	416.8	41.7	4.5	1.5	23.0	65.0	LT.-GR. OR.	174.2	41.8	14.7	2.2	6.6
CLEM FINA	Riverside	10/17/1995	10	40.3	41.0	1.0	401.2	40.1	4.5	1.5	22.0	59.0	LT.-GR. OR.	158.8	39.6	12.6	1.8	7.0
CLEM FINA	Riverside	11/7/1995	10	43.9	48.4	0.9	569.6	57.0	4.6	2.0	24.0	65.0	LT.-MED. OR.	277.9	48.8	14.8	1.5	10.1
CLEM FINA	Riverside	11/7/1995	10	45.5	48.7	0.9	584.8	58.5	4.5	1.5	21.0	85.0	LT.-MED. OR.	293.1	50.1	12.8	1.2	10.9
CLEM FINA	Riverside	11/30/1995	10	44.5	49.0	0.9	598.6	59.9	6.5	2.5	25.0	61.0	MED. ORANGE	292.0	48.8	15.0	1.3	11.8
CLEM FINA	Riverside	11/30/1995	10	46.2	49.4	0.9	623.1	62.3	7.0	2.0	23.0	82.0	MED. ORANGE	316.4	50.8	13.1	1.0	12.7
CLEM FINA	Lindcove	10/16/1996	10	49.4	51.6	1.0	677.2	67.7	4.0	3.5	36.0	148.0	MED. ORANGE	322.6	47.6	11.3	1.3	8.5
CLEM FINA	Lindcove	10/16/1996	10	48.2	50.4	1.0	650.3	65.0	4.0	3.5	31.0	171.0	MED. ORANGE	300.6	46.2	11.7	1.4	8.3
CLEM FINA	Riverside	10/16/1996	5	26.7	27.5	1.0	421.5	84.3	4.0	2.0	16.0	43.0	MED. ORANGE	197.6	46.9	11.2	0.8	13.3
CLEM FINA	Lindcove	11/6/1996	10	51.0	57.7	0.9	866.4	86.6	8.3	3.5	39.0	135.0	BR. ORANGE	377.9	43.6	12.0	1.1	11.4
CLEM FINA	Lindcove	11/6/1996	10	52.3	57.4	0.9	873.6	87.4	6.6	3.0	37.0	169.0	BR. ORANGE	396.5	45.4	12.2	1.1	11.2
CLEM FINA	Riverside	11/6/1996	10	58.9	68.6	0.9	1515.9	151.6	4.0	3.0	43.0	16.0	LT. ORANGE	770.1	50.8	11.5	0.8	14.9
CLEM FINA	Irvine	11/13/1996	10	51.4	58.2	0.9	893.4	89.3	10.0	3.0	36.0	162.0	BR. ORANGE	437.1	48.9	12.6	1.0	12.9
CLEM FINA	Lindcove	12/2/1996	10	56.3	63.3	0.9	1054.4	105.4	12.5	4.0	44.0	96.0	BR. ORANGE	395.9	37.5	12.4	0.9	14.6
CLEM FINA	Lindcove	12/2/1996	10	55.6	62.5	0.9	1027.0	102.7	12.5	4.5	43.0	99.0	BR. ORANGE	406.0	39.5	12.5	0.9	14.1
CLEM FINA	Riverside	12/2/1996	5	28.3	30.0	0.9	515.4	103.1	12.0	3.5	21.0	76.0	BR. ORANGE	237.8	46.1	14.0	0.8	15.6
CLEM FINA	Riverside	12/2/1996	5	32.1	36.5	0.9	796.9	159.4	12.5	4.0	24.0	75.0	BR. ORANGE	266.4	33.4	12.7	0.9	14.0
CLEM FINA	Lindcove	10/20/1997	10	48.6	49.8	1.0	641.2	64.1	4.0	2.0	24.0	93.0	LT.-MED. OR	339.4	52.9	10.8	1.1	9.7
CLEM FINA	Lindcove	10/20/1997	10	49.0	51.4	1.0	684.4	68.4	4.0	2.0	30.0	89.0	LT.-MED. OR	347.5	50.8	11.5	1.1	10.5
CLEM FINA	Irvine	10/20/1997	10	49.5	54.8	0.9	764.1	76.4	5.0	2.0	39.0	183.0	LT.-MED. OR	314.3	41.1	14.0	1.2	11.4
CLEM FINA	Irvine	11/4/1997	10	48.6	56.6	0.9	770.4	77.0	8.0	3.0	37.0	196.0	MED. ORANGE	316.0	41.0	12.9	1.1	12.3
CLEM FINA	Lindcove	11/6/1997	10	57.2	57.9	1.0	973.5	97.4	8.8	3.0	36.0	89.0	MED. ORANGE	450.8	46.3	11.8	1.0	11.7
CLEM FINA	Lindcove	11/6/1997	10	52.8	54.7	1.0	836.0	83.6	10.5	3.0	32.5	101.0	MED. ORANGE	418.9	50.1	12.4	1.0	12.2
CLEM FINA	Lindcove	11/6/1997	10	50.2	53.4	0.9	758.4	75.8	9.2	3.0	31.0	107.0	MED. ORANGE	375.6	49.5	12.2	0.9	13.2
CLEM FINA	Lindcove	11/6/1997	10	49.1	52.3	0.9	724.3	72.4	7.7	2.5	27.0	140.0	MED. ORANGE	328.6	45.4	11.8	1.0	12.0
CLEM FINA	Irvine	12/5/1997	10	51.1	62.9	0.8	971.4	97.1	12.5	3.5	43.0	189.0	MED. ORANGE	377.2	38.8	15.3	1.2	12.5
CLEM FINA	Irvine	12/5/1997	10	51.1	62.9	0.8	971.4	97.1	12.5	3.5	43.0	189.0	MED. ORANGE	377.2	38.8	15.3	1.2	12.5
CLEM FINA	Lindcove	12/12/1997	10	52.9	59.0	0.9	909.0	90.9	12.5	3.5	38.0	94.0	MED. ORANGE	404.5	44.5	12.2	0.8	14.6
CLEM FINA	Lindcove	12/12/1997	10	54.4	60.0	0.9	976.4	97.6	12.5	3.5	34.0	123.0	BR. ORANGE	431.7	44.2	12.2	0.8	15.5
CLEM FINA	Lindcove	11/2/1998	10	55.1	56.6	1.0	837.2	83.7	4.3	4.0	32.0	94.0	MED. ORANGE	347.4	41.5	10.8	1.2	8.8
CLEM FINA	Coachella	11/5/1998	4	59.7	64.4	0.9	1169.9	292.5	4.8	4.0	37.0	102.0	PALE ORANGE	397.8	34.0	9.6	0.9	10.8
CLEM FINA	Irvine	11/6/1998	10	48.8	54.9	0.9	764.5	76.5	5.1	2.0	32.0	53.0	BR. ORANGE	373.3	48.8	10.8	1.1	10.1
CLEM FINA	Irvine	11/6/1998	10	48.0	54.7	0.9	747.1	74.7	5.0	2.0	33.0	104.0	BR. ORANGE	372.0	49.8	10.7	1.1	10.1
CLEM FINA	Riverside	11/9/1998	10	46.4	49.2	0.9	576.2	57.6	4.5	2.5	31.0	84.0	LT.-MED. OR	233.4	40.5	10.0	1.0	9.8

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CLEM FINA	Riverside	11/9/1998	10	48.7	51.2	1.0	660.0	66.0	4.3	2.5	27.0	88.0	LT.-MED. OR	274.6	41.6	10.0	1.0	10.3
CLEM FINA	Riverside	11/30/1998	10	50.8	55.3	0.9	779.0	77.9	8.5	2.5	37.0	79.0	MED. ORANGE	321.0	41.2	11.0	1.0	11.5
CLEM FINA	Riverside	11/30/1998	10	52.2	57.3	0.9	832.2	83.2	10.1	2.5	38.0	91.0	MED. ORANGE	324.4	39.0	8.6	0.7	12.4
CLEM FINA	Lindcove	12/1/1998	5	29.3	30.0	1.0	487.6	97.5	12.0	3.5	22.0	12.0	MED. ORANGE	165.8	34.0	10.8	0.9	12.5
CLEM FINA	Lindcove	12/1/1998	10	57.1	59.9	1.0	944.8	94.5	12.0	3.5	46.0	97.0	MED. ORANGE	325.9	34.5	11.6	1.0	12.2
CLEM FINA	Irvine	12/3/1998	10	51.9	58.6	0.9	866.5	86.7	9.0	3.0	22.0	192.0	BR. ORANGE	366.7	42.3	10.5	0.9	11.2
CLEM FINA	Irvine	12/3/1998	10	54.1	59.0	0.9	912.8	91.3	11.3	3.0	39.0	86.0	BR. ORANGE	395.4	43.3	11.4	0.8	14.2
CLEM FINA	Riverside	12/13/1998	10	53.5	59.2	0.9	953.0	95.3	12.3	2.8	40.5	135.0	BR. ORANGE	374.8	39.3	11.0	0.9	12.3
CLEM FINA	Riverside	12/13/1998	10	50.9	59.6	0.9	917.3	91.7	12.3	2.5	40.0	110.0	BR. ORANGE	362.9	39.6	10.1	0.8	12.5
CLEM FINA	Lindcove	12/14/1998	10	58.1	59.4	1.0	980.7	98.1	12.5	3.0	42.1	2.0	BR. ORANGE	406.2	41.4	11.0	0.8	14.6
CLEM FINA	Lindcove	12/14/1998	10	57.5	60.7	0.9	915.9	91.6	12.5	3.5	51.5	65.0	BR. ORANGE	298.1	32.5	12.0	0.8	15.0
CLEM FINA	Irvine	12/16/1998	10	49.7	58.8	0.8	906.7	90.7	12.0	2.6	39.5	121.0	BR. ORANGE	431.9	47.6	11.7	0.8	15.2
CLEM FINA	Irvine	12/16/1998	10	51.1	58.9	0.9	907.0	90.7	12.3	2.6	38.5	93.0	BR. ORANGE	416.8	46.0	11.2	0.7	16.3
CLEM FINA	Irvine	10/28/1999	10	42.0	44.6	0.9	461.4	46.1	4.0	3.0	25.0	49.0	BR. ORANGE	190.7	41.3	7.7	1.1	7.3
CLEM FINA	Irvine	10/28/1999	10	44.0	46.9	0.9	537.7	53.8	4.0	3.0	24.0	71.0	BR. ORANGE	230.9	42.9	8.8	1.4	6.4
CLEM FINA	Lindcove	11/1/1999	10	42.9	47.2	0.9	520.6	52.1	4.3	3.2	31.0	166.0	MED. ORANGE	206.5	39.7	13.2	1.3	9.9
CLEM FINA	Lindcove	11/1/1999	10	42.0	44.9	0.9	462.2	46.2	4.5	3.5	30.0	180.0	MED. ORANGE	136.1	29.4	13.4	1.6	8.6
CLEM FINA	Coachella	11/3/1999	10	56.5	58.8	1.0	978.4	97.8	3.5	3.5	30.0	136.0	LT. ORANGE	351.7	35.9	9.4	0.7	13.2
CLEM FINA	Irvine	11/29/1999	10	45.2	52.2	0.9	692.0	69.2	6.0	3.0	26.0	55.0	BR. ORANGE	336.2	48.6	10.9	1.1	10.0
CLEM FINA	Irvine	11/29/1999	10	46.8	50.2	0.9	644.8	64.5	5.0	3.0	24.0	70.0	BR. ORANGE	334.3	51.8	9.0	1.0	9.4
CLEM FINA	Lindcove	12/2/1999	10	48.3	52.7	0.9	684.4	68.4	12.0	4.0	39.0	98.0	MED. ORANGE	258.0	37.7	13.9	1.1	12.2
CLEM FINA	Lindcove	12/2/1999	10	46.3	51.4	0.9	613.5	61.4	11.5	4.0	42.0	126.0	MED. ORANGE	242.6	39.5	15.3	1.4	10.8
CLEM FINA	Coachella	12/3/1999	10	58.7	62.7	0.9	1077.8	107.8	11.0	2.0	31.0	51.0	LT. ORANGE	286.0	26.5	10.0	0.9	11.2
CLEM FINA	Lindcove	12/13/1999	10	49.1	54.9	0.9	709.2	70.9	12.5	3.0	48.0	142.0	MED. BRT. OR.	213.3	30.1	13.2	1.0	13.3
CLEM FINA	Lindcove	12/13/1999	10	44.3	51.0	0.9	590.4	59.0	12.0	3.5	44.0	105.0	MED. BRT. OR.	192.4	32.6	15.6	1.4	10.9
CLEM FINA	Irvine	12/15/1999	10	50.6	57.5	0.9	881.7	88.2	11.0	2.5	25.0	84.0	MED. ORANGE	468.5	53.1	10.7	0.9	12.1
CLEM FINA	Irvine	12/15/1999	4	20.0	21.0	1.0	301.3	75.3	11.0	2.5	9.0	28.0	MED. ORANGE	154.2	51.2	11.7	0.9	12.4
CLEM FINA	Riverside	10/31/2000	10	51.8	53.4	1.0	766.2	76.6	4.5	3.0	31.0	104.0	BR. ORANGE	359.1	46.9	11.4	0.9	13.0
CLEM FINA	Riverside	10/31/2000	10	53.8	53.8	1.0	785.9	78.6	4.0	2.5	26.0	64.0	BR. ORANGE	359.9	45.8	10.6	0.9	12.3
CLEM FINA	Irvine	11/2/2000	10	43.0	45.2	1.0	482.2	48.2	4.5	2.0	21.0	195.0	LT. ORANGE	196.3	40.7	11.5	1.3	8.7
CLEM FINA	Irvine	11/2/2000	10	41.0	43.0	1.0	413.7	41.4	5.0	2.0	27.0	178.0	LT. ORANGE	172.2	41.6	10.8	1.5	7.1
CLEM FINA	Riverside	11/20/2000	10	49.4	53.7	0.9	747.6	74.8	12.0	3.0	26.0	98.0	BR. ORANGE	365.8	48.9	12.0	0.7	16.6
CLEM FINA	Riverside	11/20/2000	10	53.5	60.5	0.9	997.1	99.7	11.5	3.0	33.0	78.0	BR. ORANGE	461.0	46.2	10.8	0.6	17.7
CLEM FINA	Irvine	11/20/2000	10	46.0	49.4	0.9	589.4	58.9	11.5	1.5	29.0	197.0	DK.-BRT. OR.	269.0	45.6	12.8	1.2	10.4
CLEM FINA	Irvine	11/20/2000	10	44.5	46.9	0.9	529.5	53.0	11.5	1.5	21.0	188.0	MED. ORANGE	266.9	50.4	11.4	1.2	9.6
CLEM FINA	Riverside	12/10/2000	10	60.4	64.6	0.9	1213.0	121.3	11.5	4.0	44.0	56.0	MED. BRT. OR.	475.9	39.2	12.1	0.7	16.6
CLEM FINA	Riverside	12/10/2000	10	54.3	59.5	0.9	926.6	92.7	12.0	4.0	43.0	63.0	MED. BRT. OR.	389.7	42.1	12.5	0.8	16.1
CLEM FINA	Irvine	12/12/2000	10	47.8	51.6	0.9	681.3	68.1	12.0	2.0	31.0	224.0	BR. ORANGE	322.7	47.4	14.2	1.2	12.0
CLEM FINA	Irvine	12/12/2000	10	44.3	48.2	0.9	565.8	56.6	12.0	2.0	24.0	164.0	BR. ORANGE	298.9	52.8	11.9	1.0	11.7