

# SANTA CLARA COUNTY 2013 CROP REPORT





California is the nation's leading grower of bell peppers and ranks second in production of hot peppers.



Transplanted pepper seedlings

### **NORTH COUNTY OFFICE**

**1553 Berger Drive,  
Building 1  
San Jose, CA 95112  
(408) 918-4600**

### **SOUTH COUNTY OFFICE**

**80 West Highland Avenue  
Building K  
San Martin, CA 95046  
(408) 201-0640**



How many varieties of peppers are grown in Santa Clara County? Look at page 8 to find out.



Pepper Harvest

In 2013, \$22,613,000 of peppers were grown in Santa Clara County, totaling 2,000 acres (see page 11)



Karen Ross, Secretary  
California Department of Food and Agriculture

***Santa Clara County Board of Supervisors***

District 1 – Mike Wasserman                      District 4 – Ken Yeager  
District 2 – Cindy Chavez                      District 5 – S. Joseph Simitian  
District 3 – Dave Cortese

It is my pleasure to present the 2013 Santa Clara County Crop Report. The efforts of our agricultural industry are displayed as the acreage, yield and gross value of commodities produced in Santa Clara County. It is important to note that the values presented in this report are gross values and do not reflect net profits or losses to our agricultural producers.

The gross value of Santa Clara County’s agricultural production for 2013 is \$263,394,800, an increase of 1% from the 2012 value of \$260,778,800.

The County’s top three crops for over 10 years continue to be nursery crops (\$76,964,000), mushrooms (\$68,610,000) and bell peppers (\$17,002,000). In 2013, 24 different agricultural commodities grown in Santa Clara County exceeded \$1,000,000 in crop value. Nursery crop values decreased by 9% from the 2012 value of \$83,161,000.

A severe drought in 2013 has had a negative effect on our hay and cattle industry. Grain hay saw a decrease in yield but the price remained high. With less hay and grass in our rangeland, cattle continue to be sold and less replacement heifers have been kept.

Crops with notable increases in value in 2013 were lettuce, wine grapes, Chinese vegetables, bell peppers and corn. Beans, chili peppers, and processed tomatoes declined in value compared to 2012.

This year's crop report highlights peppers. Over 70 varieties of this delicious, versatile and interesting fruit, rich in vitamins and disease preventing compounds, are grown in Santa Clara County. Bell varieties account for the bulk of pepper production in the County, ranking Santa Clara County as the #3 bell pepper producer in the State and #4 producer in the United States, according to the 2012 Census of Agriculture.

I would like to express my gratitude for the continuing cooperation of all individuals, growers, and agencies who contribute the information necessary to prepare this report. I wish to thank my staff and, in particular, acknowledge the efforts of Agricultural Biologist Lori Oleson and Jennifer Pate, who made the publication of this report possible.

Sincerely,



Joseph C. Deviney  
Agricultural Commissioner





## BUSHBERRIES AND STRAWBERRIES

ITEM	YEAR	HARVESTED ACREAGE	TONS PER ACRE	PRODUCTION TOTAL	UNIT	VALUE PER UNIT	TOTAL
Bushberries	2013	15	4.1	61.5	TON	\$1,681	\$103,000
	2012	13	3.4	44.2	TON	\$4,562	\$203,000
Strawberries	2013	59	15.5	914.5	TON	\$1,595	\$1,459,000
	2012	60	15.0	900	TON	\$2,428	\$2,185,000
<b>TOTAL</b>	<b>2013</b>	<b>74</b>					<b>\$1,562,000</b>
	<b>2012</b>	<b>73</b>					<b>\$2,388,000</b>



## FOREST PRODUCTS

ITEM	YEAR	PRODUCTION TOTAL	UNIT	TOTAL
Timber	2013	—	MBF	\$0
	2012	1,209	MBF	\$429,000

MBF = Thousand Board Feet

## SEED CROPS

ITEM	YEAR	HARVESTED ACREAGE	TOTAL
Vegetable and Flower	2013	506	\$1,115,000
	2012	578	\$1,872,000





## FIELD CROPS

ITEM	YEAR	HARVESTED ACREAGE	TONS PER ACRE	PRODUCTION TOTAL	UNIT	VALUE PER UNIT	TOTAL
Hay (Grain)	2013	3,655	1.8	6,710	TON	\$177	\$1,188,000
	2012	3,607	2.3	8,296	TON	\$171	\$1,419,000
Pasture, Irrigated	2013	464	—	—	ACRE	\$215	\$99,800
	2012	461	—	—	ACRE	\$210	\$96,800
Range	2013	222,652	—	—	ACRE	\$12	\$2,672,000
	2012	222,878	—	—	ACRE	\$12	\$2,675,000
Miscellaneous*	2013	594	—	—	—	—	\$1,067,000
	2012	418	—	—	—	—	\$806,000
<b>TOTAL</b>	<b>2013</b>	<b>227,365</b>					<b>\$5,026,800</b>
	<b>2012</b>	<b>227,364</b>					<b>\$4,996,800</b>

\*Includes Alfalfa, Triticale etc.







Chrysanthemums

## FLORAL CROPS: CUT FLOWERS

ITEM	YEAR	HOUSE (SQ. FT.)	TOTAL
Chrysanthemum	2013	1,129,600	\$1,056,000
	2012	1,068,440	\$1,004,000
Miscellaneous*	2013	—	\$1,763,000
	2012	—	\$2,483,000
<b>TOTAL</b>	<b>2013</b>		<b>\$2,819,000</b>
	<b>2012</b>		<b>\$3,487,000</b>

\*Includes  
Asters,  
Carnations,  
Delphiniums,  
Eucalyptus,  
Gardenias,  
Lisianthus,  
Snapdragons,  
Stephanotis,  
Sunflowers



Eucalyptus for ornamental flower arrangements



Cattle round up

## LIVESTOCK AND POULTRY

ITEM	YEAR	NUMBER OF HEAD SOLD	PRODUCTION TOTAL (LIVE WEIGHT)	UNIT	VALUE PER UNIT	TOTAL
Steers & Heifers	2013	5,068	29,477	CWT	\$130	\$3,832,000
	2012	5,897	36,100	CWT	\$138	\$4,981,800
Cows & Bulls	2013	908	11,100	CWT	\$73	\$810,000
	2012	992	11,665	CWT	\$68	\$793,000
Miscellaneous*	2013	—	—	—	—	\$310,000
	2012	—	—	—	—	\$299,400
<b>TOTAL</b>	<b>2013</b>					<b>\$4,952,000</b>
	<b>2012</b>					<b>\$6,074,200</b>

\* Includes Chickens Eggs, Goats, Llamas, Pigs, Sheep, etc.



## Did You Know That in 2013 Santa Clara County Ag Staff Members ...

- Inspected approximately 9,700 incoming shipments of plant material at nurseries and shipping terminals for exotic, invasive, and agricultural pests
- Inspected grower's crops being moved out of state for Light Brown Apple Moth 248 times
- Inspected Nurseries for Sudden Oak Death 113 times, and oversaw treatments for positive finds 4 times
- Issued 71 Producer Certificates and 44 Farmers' Market certificates
- Inspected the Certified Farmers' Markets 71 times, and inspected 1,145 Certified Producers at market for compliance
- Issued 2,211 phytosanitary certificates for the export of plant material out of Santa Clara County
- Diverted 4,726 containers, (around 10,000 pounds) of plastic containers from the landfill with approximately 130 growers participating
- Surveyed more than 500 Santa Clara County producers in preparation for the 2013 Agricultural Crop Report
- Issued 377 Operator Identification numbers/Permits and conducted 46 investigations as part of the Pesticide Use Enforcement program
- Surveyed for Iberian thistle, Illyrian thistle and other weed species.



Hawkeye  
Parcel Inspector

We take Hawkeye to parcel facilities and he uses his nose to identify packages containing agricultural products to his handler. The package is then inspected by a biologist to determine if the agricultural products and any insects or diseases found on those products are allowed into California.

### CERTIFIED FARMERS' MARKETS

**There were 44 Farmers' Markets registered in Santa Clara County last year!**

### ORGANIC AGRICULTURE

Type of Organic Registrant	Number Registered	Acreage
Producers	23	410
Handlers	7	
Processors	5	

Our organic growers, produce assorted organic field crops, fruits, vegetables and eggs.



For more information on Farmers' Markets, including a list of days, times and locations, please visit our website at [www.sccagriculture.org](http://www.sccagriculture.org)





## Pepper Nutrition

Whether mellow or tongue blazing, peppers are nutrient-dense. They're one of the richest sources of vitamins A and C you can eat. Just a cup a day can provide more than 100% of your daily needs.

Choose a variety of colors in your peppers. Red bell peppers are a good source of fiber, folate, vitamin K, and the minerals molybdenum and manganese. And, they're especially rich in nutrients and phytochemicals such as:



- Vitamin A, which may help preserve eyesight, and fend off infection
- Vitamin C, which may lower cancer risk and protect against cataracts
- Vitamin B6, which is vital for essential chemical reactions throughout the body, including those involving brain and immune function
- Lutein and zeaxanthin, which may slow the development of eye diseases, such as cataracts or macular degeneration
- Beta-carotene, which may help protect against certain types of cancer, such as breast cancer
- Lycopene, which may decrease the risk for ovarian cancer.

## Pepper Promulgation

- Peppers are actually fruits because they are produced from a flowering plant and contain seeds - most people think of them as vegetables.
- Columbus discovered peppers in the West Indies and mistook them for peppercorn plants that produce black pepper. They were brought to the United States in 1583.
- Hot peppers are typically green in early maturity but quickly turn colors including yellow, orange, purple, red, or chocolate brown depending on the cultivar.
- Although they can be picked when green, heat and flavor increases with maturity. Hot chilis are actually hotter when green but have a more pronounced flavor when ripe.
- The amount of heat in a hot pepper depends on the variety, soil, climate, and other conditions.
- Dyes made from red chili peppers are natural and safe food coloring agents used in many products, including salad dressings, meat products, cosmetics and clothing.
- If you are trying to avoid hot jalapenos, pick the chilis without any corking (white lines and flecks).
- The heat of the chili is due to capsaicin present in the white membranes. Drinking water will not relieve the burning of your mouth because capsaicin is insoluble in water. Instead drink milk or alcohol.
- Green Bell Peppers are mature, but if left on the vine to ripen further, they become red bell peppers.



## How hot are Santa Clara County peppers?



15 Million *Scoville Heat Units	5.3 Million	200,000,000 - 1 million	8,000 - 23,000,000	2,000 - 10,000	3,500 - 25,000	2,500 -8,000	1,000 - 2,000	500 - 2,000	0
<b>Pure Capsaicin</b>	<b>Pepper Spray</b>	<b>Habanero</b>	<b>Serrano</b>	<b>Fresno</b>	<b>Jalapeno/ Chipotle</b>	<b>Cascabel</b>	<b>Poblano/ Ancho</b>	<b>Anaheim</b>	<b>Bells</b>



Anchos are dried Poblano Peppers and Chipotles are dried Jalapenos, they keep the same heat as the fruit itself.

\*Pepper heat is rated in terms of "Scoville heat units." Bell peppers have no capsaicin and are rated at zero on the Scoville heat scale. The popular Jalapeno pepper ranges from 2,000 to 25,000 units, and the Habanero chili pepper is rated as high as 1 million Scoville units. The spices shown at the top of the page are not in order of heat, just color.

## Santa Clara County Pepper Facts

- THERE ARE OVER 70 VARIETIES OF PEPPERS GROWN IN SANTA CLARA COUNTY:
- 19 VARIETIES OF BELL PEPPERS,
- 10 VARIETIES OF ANAHEIMS,
- 10 VARIETIES OF JALAPENOS,
- 6 VARIETIES OF NO HEAT JALAPENOS,
- 7 VARIETIES OF POBLANOS,
- SEVERAL VARIETIES OF HABENEROS, SERRANOS, CASCABELS, AND FRESNOS.
- THERE ARE SOME GREAT VARIETAL NAMES: CUPID, RED KNIGHT, KING ARTHUR, SWEET SUNRISE, and HIGHLANDER .
- OTHERS LET YOU KNOW THAT THEY ARE HOT or LARGE: TORMENTA, EL JEFE, MASIVO, SEQUOIA, and MASTER.
- Peppers are warm-season crops, sensitive to freezing, and do not grow well in cold, wet soil. Our growers germinate seeds indoors in late winter and then transplant the small plants individually in late spring.
- In Santa Clara County, \$22 MILLION DOLLARS worth of peppers were grown in 2013.
- Santa Clara County growers harvested TWO THOUSAND ACRES of peppers in 2013.
- Typical field peppers are harvested every week or so, for about a month. California's shipping season runs from April to December, with peak volume hitting the market May through July.





## FRUITS AND NUTS

ITEM	YEAR	HARVESTED ACREAGE	TONS PER ACRE	PRODUCTION TOTAL	UNIT	VALUE PER UNIT	TOTAL
Apricots	2013	206	2.7	556.2	TON	\$575	\$320,000
	2012	225	3.7	832.5	TON	\$483	\$402,000
Cherries	2013	1,001	2.5	2,502.5	TON	\$3,337	\$8,351,000
	2012	952	4.9	4,664.8	TON	\$1,918	\$8,947,000
Grapes, Wine: White	2013	409	4.5	1,840.5	TON	\$1,279	\$2,354,000
	2012	407	4.5	1,831.5	TON	\$1,118	\$2,048,000
Grapes, Wine: Red	2013	1,183	3.6	4,258.8	TON	\$1,514	\$6,448,000
	2012	1,177	3.7	4,354.9	TON	\$1,194	\$5,200,000
<b>Total Red &amp; White</b>	2013	1,592					\$8,802,000
Walnuts	2013	190	1.1	209.0	TON	\$3,903	\$816,000
	2012	164	1.2	196.8	TON	\$3,104	\$611,000
Miscellaneous*	2013	253	—	—	—	—	\$1,441,000
	2012	250	—	—	—	—	\$1,844,000
<b>TOTAL</b>	<b>2013</b>	3,242					\$19,730,000
	<b>2012</b>	3,175					\$19,052,000

\* Includes Apples, Asian Pears, Kiwis, Nectarines, Olives, Peaches, Persimmons, Plums, Prunes, etc.



Cherry trees in bloom, ready for pollinators.



White and red cherries are harvested and sold at a fruit stand





## NURSERY CROPS: INDOOR AND OUTDOOR GROWN

ITEM	YEAR	HOUSE (SQ. FT.)	FIELD ACRES	SOLD BY PRODUCERS	UNIT	VALUE PER UNIT	TOTAL
Bedding Plants	2013	2,875,000	49	2,097,927	Flats	Various	\$22,571,000
	2012	2,856,000	48	2,086,555	Flats	Various	\$21,034,000
Christmas Trees	2013	—	213	8,215	Tree	\$47	\$388,000
	2012	—	218	8,947	Tree	\$48	\$429,000
Ornamental Trees, & Roses, Shrubs	2013	94,000	230	1,044,406	Plants	Various	\$19,082,000
	2012	92,000	228	940,901	Plants	Various	\$25,271,000
Miscellaneous*	2013	3,222,378	202	—	—	—	\$34,923,000
	2012	1,756,350	220	—	—	—	\$36,427,000
<b>TOTAL</b>	<b>2013</b>						<b>\$76,964,000</b>
	<b>2012</b>						<b>\$83,161,000</b>

\*Includes Herbaceous Perennials, Indoor Decoratives, Orchids, Propagative Materials, Turf, Vegetables, Plants, etc.



Hand Watering Nursery stock



# VEGETABLE CROPS

ITEM	YEAR	HARVESTED ACREAGE	TONS		UNIT	VALUE PER	
			PER ACRE	PRODUCTION TOTAL		UNIT	TOTAL
Beans	2013	1,115	2.4	2,676.0	TON	\$1,462	\$3,912,000
	2012	982	4.8	4,713.6	TON	\$1,301	\$6,132,000
Broccoli	2013	129	6.9	890.1	TON	\$525	\$467,000
	2012	142	4.4	624.8	TON	\$414	\$259,000
Cabbage	2013	230	21.1	4,853.0	TON	\$339	\$1,645,000
	2012	256	23.5	6,016.0	TON	\$205	\$1,233,000
Celery	2013	308	30.0	9,240.0	TON	\$320	\$2,957,000
	2012	337	45.0	15,165.0	TON	\$185	\$2,806,000
Chinese Vegetables	2013	451	20.1	9,065.1	TON	\$608	\$5,512,000
	2012	422	37.0	15,614.0	TON	\$258	\$4,028,000
Corn	2013	1,243	10.7	13,300.1	TON	\$402	\$5,347,000
	2012	1,094	9.6	10,502.4	TON	\$349	\$3,665,000
Garlic	2013	254	3.9	990.6	TON	\$1,049	\$1,039,000
	2012	314	7.0	2,198.0	TON	\$914	\$2,009,000
Salad Greens *	2013	979	8.0	7,832.0	TON	\$968	\$7,581,000
	2012	1,292	4.6	5,943.2	TON	\$1,186	\$7,049,000
Lettuces**	2013	1,473	15.0	22,095.0	TON	\$400	\$8,838,000
	2012	1,304	13.7	17,864.8	TON	\$352	\$6,288,000
Mushrooms	2013	152	134.3	20,413.6	TON	\$3,361	\$68,610,000
	2012	153	135.8	20,777.4	TON	\$3,056	\$63,496,000
Onions, Dry	2013	32	14.0	448.0	TON	\$163	\$73,000
	2012	70	23.8	1,666.0	TON	\$101	\$168,000
Peppers - Bell	2013	1,574	30.6	48,164.4	TON	\$353	\$17,002,000
	2012	1,487	28.3	42,082.1	TON	\$334	\$14,055,000
Peppers -Wax & Chili	2013	480	24.2	11,616.0	TON	\$483	\$5,611,000
	2012	646	25.1	16,214.6	TON	\$511	\$8,286,000
Pumpkins	2013	202	19.0	3,838.0	TON	\$347	\$1,332,000
	2012	183	17.9	3,275.7	TON	\$222	\$727,000
Spinach	2013	860	5.9	5,074.0	TON	\$979	\$4,967,000
	2012	744	4.0	2,976.0	TON	\$777	\$2,312,000
Squash	2013	208	8.4	1,747.2	TON	\$541	\$945,000
	2012	320	7.8	2,496.0	TON	\$632	\$1,577,000
Tomatoes - Fresh	2013	811	15.4	12,489.4	TON	\$657	\$8,206,000
	2012	744	21.2	15,772.8	TON	\$447	\$7,050,000
Tomatoes - Processed	2013	749	58.5	43,816.5	TON	\$74	\$3,242,000
	2012	980	63.2	61,936.0	TON	\$66	\$4,088,000
Miscellaneous ***	2013	426	----	----	----	----	\$3,940,000
	2012	247	----	----	----	----	\$4,091,000
<b>TOTAL</b>	2013	<b>11,676</b>					<b>\$151,226,000</b>
	2012	<b>11,717</b>					<b>\$139,319,000</b>

\* Arugula, Endive, Frisee, Mizuna, Mustard, Radicchio, Spring Mix, Swiss Chard

\*\* Romaine, Leaf, Head

\*\*\* Artichokes, Cauliflower, Cucumber, Herbs, Parsley, Shallots, etc.



# MILLION DOLLAR CROPS BY COMMODITY

2012

2013

<u>AGRICULTURAL PRODUCT</u>	<u>VALUE</u>
1. Nursery Crops	\$83,161,000
2. Mushrooms	\$63,496,000
3. Peppers, Bell	\$14,055,000
4. Cherries	\$8,947,000
5. Peppers, Wax & Chili	\$8,286,000
6. Tomato, Fresh	\$7,050,000
7. Salad Greens	\$7,049,000
8. Lettuce, All	\$6,288,000
9. Beans	\$6,132,000
10. Wine Grapes, Red	\$5,199,800
11. Steer & Heifers	\$4,981,800
12. Tomatoes, Processing	\$4,088,000
13. Chinese Vegetables	\$4,028,000
14. Corn	\$3,665,000
15. Cut Flowers	\$3,487,000
16. Celery	\$2,806,000
17. Range	\$2,675,000
18. Spinach	\$2,312,000
19. Strawberry	\$2,185,000
20. Wine Grapes, White	\$2,048,000
21. Garlic	\$2,009,000
22. Seed	\$1,872,000
23. Squash	\$1,577,000
24. Hay (Grain)	\$1,419,000
25. Cabbage	\$1,233,000

**All Other Crops \$10,729,200**

**2012 Total Gross \$260,778,800**

<u>AGRICULTURAL PRODUCT</u>	<u>VALUE</u>
1. Nursery Crops	\$76,964,000
2. Mushrooms	\$68,610,000
3. Peppers, Bell	\$17,002,000
4. Lettuce, All	\$8,838,000
5. Wine Grapes, All	\$8,802,000
6. Cherry	\$8,351,000
7. Tomatoes, Fresh	\$8,206,000
8. Salad Greens	\$7,581,000
9. Peppers, Wax & Chili	\$5,611,000
10. Chinese Vegetables	\$5,512,000
11. Corn	\$5,347,000
12. Spinach	\$4,967,000
13. Beans	\$3,912,000
14. Steers & Heifers	\$3,832,000
15. Tomatoes, Processing	\$3,242,000
16. Celery	\$2,957,000
17. Cut Flowers	\$2,819,000
18. Range	\$2,672,000
19. Cabbage	\$1,645,000
20. Strawberry	\$1,459,000
21. Pumpkin	\$1,332,000
22. Hay (Grain)	\$1,188,000
23. Seed	\$1,115,000
24. Garlic	\$1,039,000

**All Other Crops \$10,391,800**

**2013 Total Gross \$263,394,800**



# Federal Phytosanitary Certification Program

Sustainable Agriculture : Pest Prevention

This program ensures that plants and plant commodities exported to foreign countries from Santa Clara County are free from injurious pests. In 2013, the county staff inspected and issued Phytosanitary Certificates for 2,211 export shipments. The chart below details all the countries our growers export to.

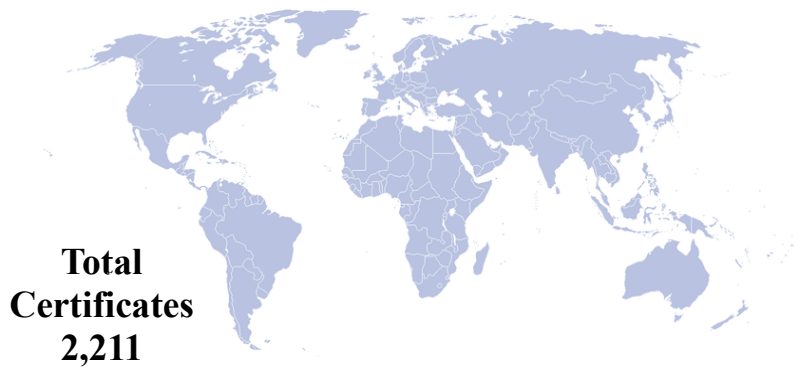
## Number of Phytos Issued By Country

**Our growers ship around the world!**

Argentina	14	Grenada	3	Panama	7
Australia	255	Guatemala	76	Peru	23
Austria	1	Honduras	6	Poland	3
Belize	5	Hong Kong	17	Portugal	1
Brazil	30	Iceland	1	Russian Federation	1
Canada	513	India	34	Singapore	8
Chile	35	Israel	8	South Africa	31
China	77	Italy	1	Spain	1
Colombia	72	Japan	273	Syrian Arab Republic	2
Costa Rica	21	Jordan	10	Taiwan	48
Denmark	22	Korea	168	Thailand	7
Dominican Republic	4	Lebanon	2	Trinidad and Tobago	2
Ecuador	15	Malaysia	19	United Arab Emirates	3
Egypt	1	Mexico	129	United Kingdom	8
El Salvador	1	Nepal	6	United States	1
Ethiopia	3	Netherlands	47	Uruguay	1
France	55	New Zealand	98	Vietnam	18
Germany	20	Pakistan	4		



Garlic in the field and after harvest.



Garlic is one of the many commodities we certify as free from weed, disease, and insect pests before exportation.

Some of the other commodities we certify are oranges, onions, walnuts, cut flowers, flower and vegetable seeds, Iris and Orchid plants.





# HISTORICAL COMPARISON OF HARVESTED ACREAGE

	1953	1973	1993	2013
<b>Bushberry &amp; Strawberry Crops</b>	1,890	328	228	74
<b>Field Crops*</b>	27,635	243,900	236,320	227,365
<b>Floral Crops - Cut Flowers</b>	—	796	649	26
<b>Fruit &amp; Nut Crops</b>	80,284	25,511	4,990	3,242
<b>Nursery Crops</b>	—	247	862	836
<b>Seed Crops</b>	—	1,120	1,000	506
<b>Vegetable Crops**</b>	22,259	14,468	11,960	11,676
<b>Total Acres</b>	<b>132,068</b>	<b>286,370</b>	<b>256,009</b>	<b>243,725</b>

\*1953 Field Crops does not include Range or Pasture

\*\*includes multiple crops at same site



Apricots are still dried in the same fashion as in their peak demand during the World War I era. The Blenheim apricots in the picture above are picked, split to remove the pits, and then placed in single layers on drying trays. It generally takes four days to complete the drying process.

Blenheims are one of the best drying varieties available, keeping their intense sweet, moist and tart flavor. The trees can only grow to perfection in a few places in the world, including the Santa Clara Valley. They only have a short two to three week harvest period, typically lasting from mid June to July. They are worth the wait, as no other apricot variety lives up to their taste.



**SANTA CLARA COUNTY AGRICULTURAL DEPARTMENT STAFF**

**AGRICULTURAL COMMISSIONER / SEALER OF WEIGHTS and MEASURES**

JOSEPH C. DEVINEY

**AGRICULTURAL  
DIVISION STAFF**

**DEPUTY COMMISSIONERS**

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MICHELLE THOM

**SUPERVISING BIOLOGIST**

HELENA ROBERTS

**BIOLOGISTS**

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JAMISON STIEHR  
KRISTIAN BARBEAU  
NICHOLAS OTTERLEI  
MARIO NUNEZ  
MIKE WALKER  
NANCY BARRERA  
MATT BEAUREGARD  
LORI OLESON  
JENNIFER PATE  
TINO MENCHACA  
ALICIA EARLE  
JULIUS CALSO  
GARY MEYER  
JENNIFER GRACY  
PAULO PHILIPPIDIS  
KARL STAGEN  
SHERRIE BESSON

**WEIGHTS AND MEASURES  
DIVISION STAFF**

**DEPUTY COMMISSIONER**

STAN TOY

**SUPERVISING INSPECTOR**

DAVID AGUAYO

**WEIGHTS INSPECTORS**

GINA CHAVEZ  
ERIN BECKER  
THOMAS STEPHENS  
JUSTIN THIEU  
REGIDOR MANIQUIS  
JASON GIBILISCO

