



ANNUAL CROP REPORT 2016



Agriculture / Weights & Measures



Agriculture / Weights & Measures

ROBERTA Y. WILLHITE
Agricultural Commissioner/Sealer

ALLEN J. LAMPMAN
Assistant Commissioner/Sealer

KAREN ROSS, SECRETARY
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

HONORABLE MEMBERS OF THE BOARD OF SUPERVISORS
COUNTY OF SAN BERNARDINO

It is my pleasure to present the 2016 San Bernardino County Crop Report that was prepared pursuant to the provisions of Sections 2272 and 2279 of the California Food and Agricultural Code. This report provides the estimated production, acreage and gross value of the agricultural industry in San Bernardino County for the year 2016. These figures represent the gross returns to the producer and not actual net profit.

The gross value of agricultural production in San Bernardino County for 2016 totaled \$456,449,920 – a decrease of \$7,388,470 from the previous year. This decrease of 1.6% from the 2015 total value of \$463,838,389 is the result of an overall decline in both the Field Crop and Livestock & Poultry categories that was mostly offset by increases in value in the Nursery Products and Fruit & Nut Crops categories. Strict water regulations in the High Desert and lower prices resulted in a reduction in the total harvested amount and value of many varieties of Hay field crops, and a nationwide surplus of chicken eggs drove the price per dozen to near record lows. Increased demand and higher prices for Ground-cover / Bedding Plants and Indoor Decorative plants resulted in an increase in the price received for those crops, dramatically increasing the value of the Nursery products category.

Overall, milk continues to be the number one commodity in our County, with a total value of over \$157 million. This decrease of \$5.8 million from last year was due to a lower overall average price paid to all California milk producers. Ground Cover / Bedding Plants, along with Turf, showed the largest increase in overall value as the easing of residential water restrictions in the Valley areas of Southern California and the increased demand for landscaping plants around new warehouse and other commercial developments, encouraging nurseries in the County to dramatically increase production of those crops. This large jump in total value for these crops vaulted them into our Top Ten Products sold for the year.

Despite the volatile prices received by most producers in 2016, agriculture remains an integral component of the economy in San Bernardino County. Local production information used in this report was gathered from a variety of sources including individual contact with County growers and producers by my staff. Their dedicated efforts contributed to making this report as complete and detailed as possible.

Respectfully submitted,

A handwritten signature in blue ink that reads "Roberta Y. Willhite".

Roberta Y. Willhite
Agricultural Commissioner/Sealer

BOARD OF SUPERVISORS

ROBERT A. LOVINGOOD
Chairman, First District

JANICE RUTHERFORD
Second District

JAMES RAMOS
Third District

CURT HAGMAN
Vice Chairman, Fourth District

JOSIE GONZALES
Fifth District

Gary McBride
Chief Executive Officer

Summary of Highlights

Total Value of Production	\$456,449,920
Total decrease in \$ value from 2015	-\$7,388,470
Commodity with highest reported \$ value	Milk
Highest \$ value per acre	Indoor Decoratives
Lowest \$ value per acre	Rangeland
Greatest % increase in total value from 2015	Groundcover / Bedding Plants
Greatest % decrease in total value from 2015	Chicken Eggs
Crop with the greatest amount of planted acreage	Alfalfa

TOP TEN PRODUCTS

2016 Rank	Product	Value	% of Total	2015 Rank
1	Milk	\$ 157,776,700	34.6%	1
2	Cattle & Calves (Meat)	\$ 110,539,600	24.2%	2
3	Replacement Heifers	\$ 34,952,000	7.7%	5
4	Eggs	\$ 23,595,300	5.2%	3
5	Alfalfa (All types)	\$ 16,053,040	3.5%	4
6	Indoor Decoratives	\$ 15,757,460	3.5%	9
7	Trees and Shrubs	\$ 14,727,834	3.2%	8
8	Citrus Fruit	\$ 13,287,290	2.9%	7
9	Oriental Vegetables	\$ 12,305,606	2.7%	6
10	Groundcover/Bedding Plants	\$ 8,928,758	2.0%	**
TOTAL TOP TEN		\$ 407,923,588	89.4%	

Indoor Decoratives includes Bonsai and Orchids

Trees & Shrubs includes Roses

Citrus fruit includes Calamondin, Grapefruit, Kumquat, Lemons, Limes, Mandarins, Oranges (Blood, Cara Cara, Navel, Valencia), Pomelo, Tangelo, Tangerine

Oriental Vegetables includes Bok Choi, Napa, Gai Choy and Daikon

** Avocados were ranked number 10 in 2015.



Fruit and Nut Crops

	Year	Acres Harvested	Per Acre	Total Yield / Unit	\$ Per Unit	\$ Per Acre	Total \$ Value
Apples, Total	2016	305	2.1	645 Ton	\$2,864.97	\$6,047.26	\$1,846,530
	2015	311	1.7	534 Ton	\$3,013.11	\$5,161.53	\$1,607,765
<i>Packed</i>	2016			434 Ton	\$3,468.80		\$1,505,530
	2015			361 Ton	\$3,499.17		\$1,261,765
<i>Processed</i>	2016			211 Ton	\$1,619.95		\$341,000
	2015			173 Ton	\$2,000.00		\$346,000
Avocados	2016	505	3.1	1,556 Ton	\$1,364.01	\$4,199.03	\$2,122,400
	2015	505	3.2	1,622 Ton	\$1,264.48	\$4,059.45	\$2,051,364
Grapes, Total	2016	268	0.7	192 Ton	\$1,465.06	\$1,048.13	\$280,900
	2015	525	0.6	303 Ton	\$1,078.77	\$622.36	\$326,741
<i>Zinfandel</i>	2016	147	0.9	125 Ton	\$1,624.06	\$1,380.95	\$203,000
	2015	251	0.4	92 Ton	\$648.73	\$237.45	\$59,600
<i>Red Wine</i>	2016	121	0.6	67 Ton	\$1,167.27	\$643.80	\$77,900
	2015	122	0.6	79 Ton	\$559.42	\$362.30	\$44,200
<i>By-products</i>	2016			None Reported			
	2015	152	0.9	132 Ton	\$1,688.95	\$1,466.72	\$222,941
Grapefruit, Total	2016	225	1.2	279 Ton	\$353.57	\$438.43	\$98,646
	2015	193	1.2	235 Ton	\$344.16	\$418.15	\$80,708
<i>Packed</i>	2016			205 Ton	\$465.85		\$95,500
	2015			160 Ton	\$488.09		\$78,100
<i>Processed</i>	2016			74 Ton	\$42.52		\$3,146
	2015			75 Ton	\$35.01		\$2,608
Jujubes	2016	84	1.6	135 Ton	\$9,699.06	\$15,577.70	\$1,310,100
	2015	79	1.6	130 Ton	\$4,620.00	\$7,602.53	\$600,600
Lemons, Total	2016	274	3.5	961 Ton	\$830.59	\$2,913.52	\$797,868
	2015	176	3.5	617 Ton	\$942.37	\$3,302.40	\$581,255
<i>Packed</i>	2016			931 Ton	\$850.12		\$791,118
	2015			585 Ton	\$982.87		\$574,880
<i>Processed</i>	2016			30 Ton	\$225.00		\$6,750
	2015			32 Ton	\$199.84		\$6,375

Fruit and Nut Crops (cont.)

	Year	Acres Harvested	Per Acre	Total Yield / Unit	\$ Per Unit	\$ Per Acre	Total \$ Value
Oranges-Navel, Total	2016	1,301	9.8	12,782 Ton	\$505.20	\$4,964.20	\$6,457,432
	2015	1,200	8.8	10,500 Ton	\$487.99	\$4,270.04	\$5,124,045
	<i>Packed</i>	2016		9,220 Ton	\$670.19		\$6,179,239
		2015		7,050 Ton	\$692.27		\$4,880,660
	<i>Processed</i>	2016		3,562 Ton	\$78.10		\$278,193
		2015		3,450 Ton	\$70.55		\$243,385
Oranges-Valencia, Total	2016	1,087	10.9	11,801 Ton	\$485.59	\$5,271.64	\$5,730,274
	2015	1,000	11.1	11,100 Ton	\$584.41	\$6,486.95	\$6,486,946
	<i>Packed</i>	2016		7,000 Ton	\$722.21		\$5,055,742
		2015		6,100 Ton	\$969.34		\$5,912,996
	<i>Processed</i>	2016		4,800 Ton	\$140.52		\$674,532
		2015		5,000 Ton	\$114.79		\$573,950
Passion Fruit	2016	4	2.3	10 Ton	\$11,405.13	\$26,164.71	\$111,200
	2015			<i>Reported in Misc in 2015</i>			
Strawberries	2016	122	5.6	680 Ton	\$1,804.15	\$10,076.24	\$1,226,278
	2015	108	8.1	874 Ton	\$1,837.12	\$14,898.58	\$1,604,726
Other Citrus*	2016	36	4.9	177 Ton	\$1,150.39	\$5,584.84	\$203,071
	2015			<i>Reported in Misc in 2015</i>			
* Incl: Blood Orange, Cara Cara Orange, Calamondin, Kumquat, Limes, Mandarins, Pomelo, Tangelo, Tangerine							
Miscellaneous**	2016	534	0.7	358 Ton	\$2,197.05	\$1,470.57	\$785,808
	2015	231	2.6	600 Ton	\$453.06	\$1,175.97	\$271,967
TOTAL FRUIT & NUT CROPS	2016						\$20,970,506
	2015						\$18,736,117

*Miscellaneous 2016: Almond, Apricot, Aprium, Asian Pear, Blackberries, Blueberries, Boysenberries, Cherimoya, Cherries, Chestnuts, Crab Apple, Elderberry, Fig, Goji Berry, Grapes (Table & White Wine), Guava, Jojoba, Kiwi, Loquat, Macadamia nuts, Mulberry, Necta-Plum, Nectarine, Olive, Peaches, Pears, Pecan, Persimmons, Pistachios, Plum, Plum-cot, Pluot, Pomegranates, Quince, Raspberries, Sapote, Tejocote, Ume Plum, Walnuts, Youngberry

**Miscellaneous 2015: Almonds; Apricots; Berries; Blood Oranges; Cherries; Grapes, White wine and Table; Guava; Limes; Passionfruit; Peaches; Pears; Persimmons; Pomegranates; Raisins

Note: The overall Pistachio crop was lost for the second consecutive year due to poor weather conditions resulting in incomplete pollination. Wine grape prices rose in 2016, but large scale table grape and raisin production (recorded in the "By-products" section) ceased in the High Desert. In August 2016, the Blue Cut Fire damaged or destroyed the Jujube production at two farms located in the Cajon Valley.



Field Crops

	Year	Acres Harvested	Per Acre	Total Yield / Unit	\$ Per Unit	\$ Per Acre	Total \$ Value
Greenchop, Total	2016	2,860	24	67,832 Ton	\$50.42	\$1,195.84	\$3,420,089
	2015	3,282	23	76,555 Ton	\$45.40	\$1,059.00	\$3,475,691
<i>Alfalfa</i>	2016	816	48	38,880 Ton	\$50.42	\$2,402.37	\$1,960,330
	2015	855	48	40,775 Ton	\$44.15	\$2,105.00	\$1,800,200
<i>Barley</i>	2016	30	17	510 Ton	\$50.42	\$857.13	\$25,714
	2015	75	17	1,260 Ton	\$23.81	\$400.00	\$30,000
<i>Oats</i>	2016	596	12	7,172 Ton	\$50.42	\$606.73	\$361,612
	2015	772	12	9,516 Ton	\$30.21	\$372.00	\$287,511
<i>Sudan</i>	2016	1,418	15	21,270 Ton	\$50.42	\$756.30	\$1,072,433
	2015	1,580	16	25,004 Ton	\$54.31	\$859.00	\$1,357,980
Hay, Total	2016	7,373	8	56,449 Ton	\$283.23	\$2,168.43	\$15,987,870
	2015	6,990	8	53,573 Ton	\$516.72	\$3,960.00	\$27,682,195
<i>Alfalfa</i>	2016	6,162	8	48,834 Ton	\$288.58	\$2,287.04	\$14,092,710
	2015	6,200	8	49,896 Ton	\$540.10	\$4,347.00	\$26,948,595
<i>Bermuda</i>	2016	520	8	4,160 Ton	\$290.00	\$2,320.00	\$1,206,400
	2015	480	8	3,840 Ton	\$309.00	\$2,472.00	\$1,186,560
<i>Sudan</i>	2016	175	5	875 Ton	\$280.00	\$1,400.00	\$245,000
	2015	160	5	800 Ton	\$325.00	\$1,625.00	\$260,000
<i>Misc. Mixed Hay</i>	2016	516	5	2,580 Ton	\$172.00	\$860.00	\$443,760
	2015	630	5	2,877 Ton	\$164.62	\$752.00	\$473,600
Pasture	2016	358		Acre	\$65.85		\$23,573
	2015	276		Acre	\$140.00		\$38,640
Range*	2016	1,366,220		Acre	\$0.40		\$547,880
	2015	1,366,220		Acre	\$0.32		\$438,830
Silage, Total	2016	2,457	22	53,876 Ton	\$48.72	\$1,068.38	\$2,625,000
	2015	2,534	27	67,214 Ton	\$44.24	\$1,173.00	\$2,973,530
<i>Corn</i>	2016	914	24	21,936 Ton	\$45.10	\$1,082.31	\$989,235
	2015	462	24	11,186 Ton	\$23.38	\$566.00	\$261,531
<i>Sorghum</i>	2016	646	30	19,380 Ton	\$54.48	\$1,634.48	\$1,055,875
	2015	1,601	31	49,604 Ton	\$51.88	\$1,608.00	\$2,573,640
<i>Wheat</i>	2016	897	14	12,560 Ton	\$46.17	\$646.48	\$579,890
	2015	471	14	6,424 Ton	\$21.54	\$294.00	\$138,359
Miscellaneous**	2016	199	18	3,630 Ton	\$173.99	\$3,173.86	\$631,598
	2015	1,760	24	42,160 Ton	\$28.12	\$674.00	\$1,185,370
TOTAL FIELD CROPS	2016	1,379,467					\$23,236,010
	2015	1,380,129					\$35,794,256

*Range value is derived from the carrying capacity and the current Animal Unit Month fee charged for federal grazing land.

**Miscellaneous 2016: Barley, Oat and Rye hay

**Miscellaneous 2015: Barley, Oat and Bermuda hay

Nursery Products

	Year	Greenhouse Sq. Ft.	Field Acres	Quantity Sold	Unit	\$ Per Unit	\$ Per Acre	Total \$ Value
Bedding Plants	2016	123,000	15	673,334	Flats	\$4.32	\$160,418.85	\$2,910,004
	2015	123,000	3	140,900	Flats	\$4.50	\$103,056.28	\$633,800
Christmas Trees	2016		62	10,873	Trees	\$54.00	\$9,470.03	\$587,142
	2015		41	11,335	Trees	\$49.09	\$13,488.79	\$556,413
Ground Cover	2016		43	1,618,600	Flats	\$3.72	\$140,789.57	\$6,018,754
	2015		35	634,000	Flats	\$4.18	\$76,229.15	\$2,651,250
Indoor Decoratives (Incl Bonsai & Orchids)	2016	257,890		788,800	Plants	\$19.98	\$2,600,478.88	\$15,757,460
	2015	528,458		900,400	Plants	\$8.66	\$627,828.42	\$7,795,605
Trees & Shrubs (Incl. Roses)	2016		325	1,296,200	Plants	\$11.36	\$45,260.71	\$14,727,834
	2015		340	1,043,400	Plants	\$9.25	\$28,375.67	\$9,646,876
Palm Trees	2016		39	4,100	Plants	\$918.60	\$96,570.51	\$3,766,250
	2015			<i>Reported in Trees & Shrubs in 2015</i>				
Turf	2016		600	625	Acres		\$4,687.50	\$2,812,500
	2015		425	272	Acres		\$2,174.85	\$923,440
Miscellaneous*	2016	92,565	34	127,168	Plants	\$11.74	\$40,919.23	\$1,492,567
	2015	53,581	37	245,856	Plants	\$4.59	\$29,558.23	\$1,127,911
TOTAL NURSERY PRODUCTS	2016	350,455	1,157					\$44,306,261
	2015	720,981	918					\$23,335,295

*Miscellaneous 2016 : Cactus & Succulents, Cut Flowers, Jojoba, Poinsettias, Propogative materials, Seasonal Vegetable transplants, Small fruit trees, Water Lilies

*Miscellaneous 2015 : Cactus & Succulents; Cut Flowers; Easter Lilies; Poinsettias; Small Fruit Trees; Water Lilies

Note: A resurgence in demand for bedding plants, ground cover and turf occurred in 2016 as drought restrictions eased slightly in the Valley areas and increased housing and warehouse development created a larger demand for those crops. The price received for Indoor Decoratives increased, negating an expected loss in value for the category that was created after a large nursery closed, eliminating a large amount of available greenhouse space.



Livestock and Poultry

	Year	Production	Unit	\$ Per Unit	Total \$ Value
Milk, Total	2016	10,469,590	cwt.	\$15.07	\$157,776,700
	2015	10,625,300	cwt.	\$15.40	\$163,630,300
Market	2016	10,260,200	cwt.	\$15.03	\$154,210,700
	2015	10,625,300	cwt.	\$15.40	\$163,630,300
Manufacturing	2016	209,390	cwt.	\$17.03	\$3,566,000
	2015		None Reported		

Eggs, Chicken	2016	30,643,155	dozen	\$0.77	\$23,595,300
	2015	41,759,636	dozen	\$1.85	\$77,216,520

	Year	# of Animals	Liveweight	Unit	\$ Per Unit	Total \$ Value
Cattle & Calves, Total	2016	135,600	780,500	cwt.	\$186.41	\$145,491,600
	2015	122,640	724,900	cwt.	\$153.45	\$111,238,500
Beef	2016	48,600	242,900	cwt.	\$280.08	\$68,031,600
	2015	41,740	224,900	cwt.	\$153.47	\$34,516,300
Dairy cull	2016	38,400	537,600	cwt.	\$79.07	\$42,508,000
	2015	35,700	500,000	cwt.	\$108.31	\$54,156,100
Replacement Heifers	2016	48,600		Head	\$719.18	\$34,952,000
	2015	45,200		Head	\$499.25	\$22,566,100
Started Pullets	2016	1,149,000		ea.	\$2.00	\$2,298,000
	2015	1,156,000		ea.	\$1.23	\$1,777,300
Turkeys	2016	130,000	1,950,000	lb.	\$16.35	\$2,125,500
	2015		Reported in Misc in 2015			
Miscellaneous Livestock & Products*	2016					\$725,428
	2015					\$1,268,515

TOTAL LIVESTOCK AND POULTRY	2016					\$332,012,528
	2015					\$355,131,135

*Miscellaneous Livestock 2016: Chickens (Spent Hens), Eggs (Duck, Emu, Geese, Guinea Fowl, Quail, Turkey), Goats, Goat Milk, Honey

*Miscellaneous Livestock 2015: Chickens (Spent Hens), Goats, Goat Milk, Honey, Turkeys

Estimated # of Dairies in San Bernardino County

January 1, 2016

63

December 31, 2016

59

Note: Egg prices have dropped from the extremely high prices created in 2015 when an outbreak of avian flu disproportionately affected egg-laying hens nationwide, creating a shortage. Favorable weather and low fuel costs throughout the U.S. created a surplus of eggs on the market in 2016, driving the price per dozen to record lows.

Vegetable Crops

	Year	Acres Harvested	Per Acre	Total Yield / Unit	\$ Per Unit	\$ Per Acre	Total \$ Value
Beans <i>(Incl Green Beans)</i>	2016	23.8	12.5	298.0 Ton	\$630.40	\$7,886.57	\$187,858
	2015	13.0	12.0	155.9 Ton	\$635.09	\$7,616.15	\$99,010
Cabbage	2016	30.0	16.7	500.0 Ton	\$448.98	\$7,483.03	\$224,491
	2015	8.2	20.2	165.9 Ton	\$657.30	\$13,249.82	\$109,046
Carrots	2016	9.0	38.6	347.1 Ton	\$577.12	\$22,257.78	\$200,320
	2015	3.7	50.3	187.0 Ton	\$562.00	\$28,266.13	\$105,150
Corn, Sweet	2016	15.1	10.8	162.7 Ton	\$1,513.83	\$16,289.68	\$246,300
	2015	7.8	11.3	87.2 Ton	\$1,534.23	\$17,262.58	\$133,785
Herbs	2016	64.9	4.4	288.1 Ton	\$4,843.00	\$21,484.85	\$1,395,226
	2015	63.4	4.4	277.7 Ton	\$3,903.76	\$17,100.78	\$1,083,952
<p>2016 Herbs: Arugula; Basil; Chervil; Chives; Cilantro; Dill; Fennel; Lemongrass; Marjoram; Mint; Italian Parsley; Purslane; Rosemary; Sage; Tarragon; Thyme</p> <p>2015 Herbs: Amaranthus; Arugula; Basil; Chervil; Chives; Cilantro; Dill; Fennel; Marjoram; Mint; Mustard; Italian Parsley; Rosemary; Sage; Tarragon; Thyme</p>							
Kale	2016	10.3	24.6	252.4 Ton	\$860.51	\$21,189.56	\$217,193
	2015	4.9	24.5	119.7 Ton	\$989.42	\$24,219.43	\$118,433
Leeks	2016	12.8	8.4	107.0 Ton	\$2,444.04	\$20,510.75	\$261,512
	2015	6.6	8.7	57.1 Ton	\$2,067.01	\$17,991.77	\$118,026
Oriental Vegetables	2016	1,407	32.8	46,197 Ton	\$266.37	\$8,749.10	\$12,305,606
	2015	1,716	35.0	59,971 Ton	\$274.65	\$9,601.22	\$16,471,184
<i>Bok Choy</i>	2016	1,000	29.8	29,842 Ton	\$187.31	\$5,589.58	\$5,589,578
	2015	1,324	29.5	39,000 Ton	\$204.20	\$6,014.94	\$7,963,782
<i>Daikon</i>	2016	53.3	105.3	5,609 Ton	\$223.41	\$23,533.00	\$1,253,132
	2015	68.0	132.4	9,000 Ton	\$286.55	\$37,925.47	\$2,578,932
<i>Gai Choy</i>	2016	50.5	130.0	6,567 Ton	\$321.44	\$41,798.02	\$2,110,800
	2015	70.5	156.0	11,000 Ton	\$269.99	\$42,125.96	\$2,696,880
<i>Napa</i>	2016	70.0	93.3	6,528 Ton	\$217.27	\$20,262.00	\$1,418,340
	2015	77.0	103.9	8,000 Ton	\$252.10	\$26,192.21	\$2,016,800
<i>Miscellaneous Oriental Vegetables</i>	2016	286.0	11.4	3,261 Ton	\$593.07	\$6,761.39	\$1,933,756
	2015	244.0	8.1	1,971 Ton	\$477.94	\$3,859.32	\$941,790
<p>2016 Misc. Oriental Vegetables: Bitter Melon; Chrysanthemum greens; Coriander; Gai Lan; Kabocha Squash; Korean melons; Pak Choi; Sher-Li-Hon; Vietnamese Mint; Yu Choy</p> <p>2015 Misc. Oriental Vegetables: Chrysanthemum greens; Diapa; Gai Lan; Korean melons; Korean Onions, Pak Choi; Sher-Li-Hon; Yu Choy</p>							
Peppers, Bell	2016	8.0	18.3	147 Ton	\$1,244.77	\$22,789.64	\$182,545
	2015	4.1	20.8	85.7 Ton	\$1,535.98	\$31,970.11	\$131,557

Acreeage for vegetable and field crops is usually planted multiple times during the course of the year, resulting in larger amounts of products being harvested from the same fields throughout the year.

Vegetable Crops

(cont.)

	Year	Acres Harvested	Per Acre	Total Yield / Unit	\$ Per Unit	\$ Per Acre	Total \$ Value
Pumpkins	2016	60.0	6.2	372 Ton	\$468.53	\$2,906.47	\$174,388
	2015	199.8	2.6	522.0 Ton	\$550.57	\$1,438.15	\$287,400
Radish	2016	20.5	16.8	345 Ton	\$1,985.91	\$33,380.73	\$684,305
	2015	7.7	19.3	149 Ton	\$1,289.52	\$24,902.73	\$191,751
Squash	2016	39.4	17.8	701 Ton	\$1,421.08	\$25,288.27	\$996,105
	2015	24.5	11.1	271 Ton	\$1,153.71	\$12,782.58	\$313,173
Tomatoes	2016	12.1	15.3	184.6 Ton	\$1,279.03	\$19,509.15	\$236,061
	2015	6.5	14.3	Ton	\$846.59	\$12,135.78	\$79,368
Miscellaneous Vegetables*	2016	225.9	10.2	2,312 Ton	\$6,421.6	\$65,727.17	\$14,846,454
	2015	120.0	83.4	Ton	\$1,162.24	\$96,969.80	\$11,628,036
TOTAL	2016	1,992					\$32,158,363
VEGETABLE CROPS	2015	2,190					\$30,841,586

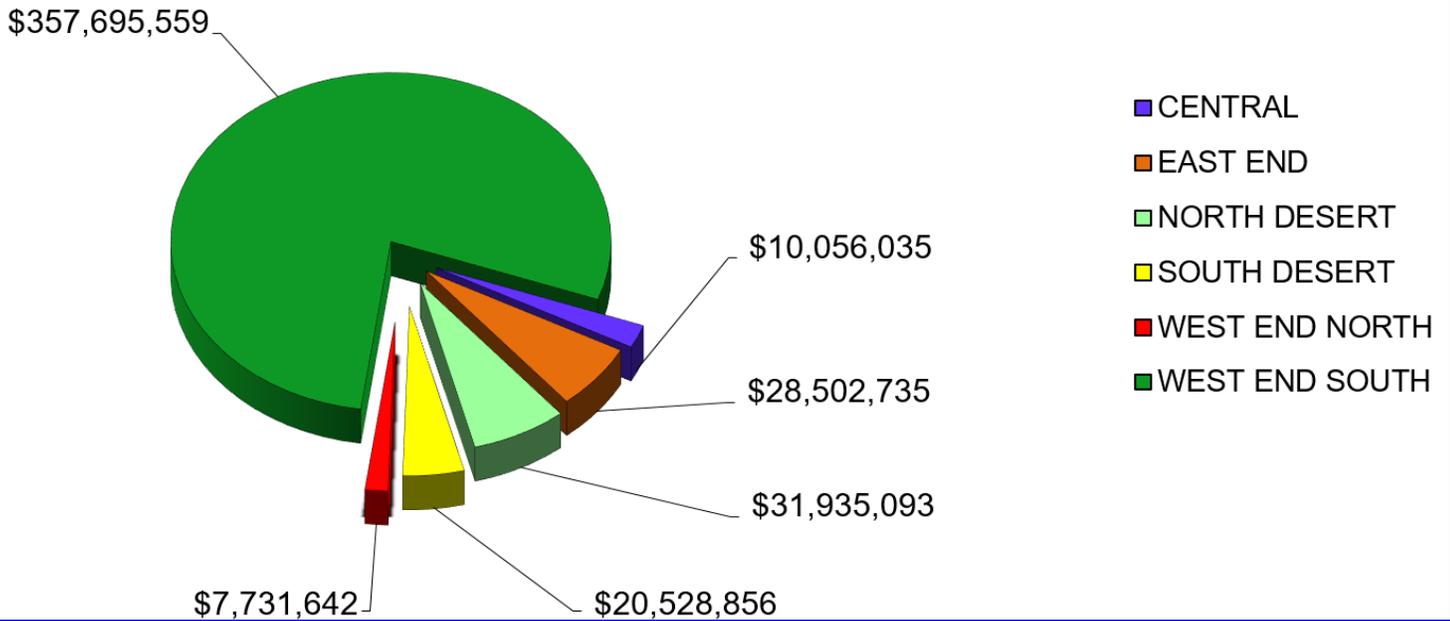
*Miscellaneous Vegetables 2016: Artichoke; Asparagus; Beets; Broccoli; Broccolini; Brussel Sprouts; Cactus; Cantaloupe; Carrots; Cauliflower; Celery; Chard; Collards; Cucumbers; Eggplant; Honeydew; Jicama; Kale; Kohlrabi; Lettuce (Iceberg & Romaine); Mushrooms; Mustard Greens; Okra; Onions (Dry & Green); Peas (Snap); Peppers (Bell & Chili); Pumpkins; Rhubarb; Rhutabaga; Shallots; Spinach; Sprouts; Tomatillos; Turnip Greens; Turnips; Watercress; Watermelon

*Miscellaneous Vegetables 2015: Artichokes; Asparagus; Beans (Fava & Green); Beets; Brussel Sprouts; Cactus; Cantaloupe; Celery; Chard; Chili Peppers; Collards; Cucumbers; Eggplant; Garlic; Honeydew; Kohlrabi; Leeks; Lettuce; Okra; Onions (Dry & Green); Parsnips; Potatoes; Rhubarb; Shallots; Snap Peas; Spinach; Sprouts; Sweet Potatoes; Tomatillos; Tomatoes; Turnips; Watermelon



Note: Oriental Vegetable production has declined as land used to grow this commodity in both the East End and West End areas of the San Bernardino Valley continues to be converted into warehouses. Traditional vegetables were planted in larger numbers by Certified Producers who have been increasing the different types of crops they bring to Certified Farmer's Markets. Additionally, some areas in the North Desert typically used to produce field crops were converted to vegetable production after water shortages began occurring.

Value of Production By Area



CENTRAL = Fontana, Rialto, Bloomington, Colton, Grand Terrace, Devore, Cajon Valley and parts of Rancho Cucamonga and Ontario between Interstate 215 and Interstate 15.

EAST END = San Bernardino, Highland, Loma Linda, Redlands, Mentone, Yucaipa and all other Valley areas east of Interstate 215, incl. all of the San Bernardino Mountains east of Interstate 15.

NORTH DESERT = Barstow, Newberry Springs, Cadiz, Sandy Valley, Needles and all areas east along Highway 40 and National Trails Highway.

SOUTH DESERT = Victorville, Apple Valley, Hesperia, Wrightwood, Phelan, Adelanto, Oro Grande, Helendale, Lucerne Valley, Yucca Valley, Morongo Valley, 29 Palms and surrounding areas.

WEST END NORTH = Upland, Montclair and most of Rancho Cucamonga and Ontario, incl. all areas north of Mission Blvd., and west of Interstate 15.

WEST END SOUTH = Chino, Chino Hills and part of Ontario, incl. all areas south of Mission Blvd., and west of Interstate 15.

Definitions

Cwt: Hundredweight, 100 pounds.

Greenchop: Hay and other field crops harvested by cutting into small pieces and fed directly to animals.

Cropland forage: Fields where the crop stubble and residue is grazed on by animals (often sheep).

Silage: Greenchop placed into air-tight bags or enclosures and allowed to ferment, thus increasing the nutritional value.

Packed: Fruits and vegetables marketed as fresh and whole.

Processed: Fruit and vegetables either dried, juiced or otherwise changed from a fresh whole item.

Market Milk: Milk sold for marketing as a fluid product— generally for drinking.

Manufacturing Milk: Milk sold to make cheese, yogurt, powdered milk, etc.

Started Pullets: Young chickens produced to replace old egg-laying hens.

Spent Hens: Egg laying chickens who have reached the end of their productive careers.

Calves: Young cows between 200 to 300 pounds, sold to ranchers to “feed” up to a size suitable for slaughter.

Beef: Cattle raised for meat and by-products. Most of these are young male calves.

Replacement Heifers: Young female cows destined for milk production.

Cull Cows: Milk cows that have reached the end of their productive careers and are sold for slaughter.

Reported as “Dairy Culls” in cattle and calves.

REGIONAL COMPARISONS

	FRUIT & NUTS		VEGETABLES		FIELD CROPS	
	ACRES	VALUE	ACRES	VALUE	ACRES	VALUE
CENTRAL	16	\$ 29,613	1	\$ 2,065	-	\$ -
EAST END	3,571	\$ 16,826,715	405	\$ 2,746,674	277	\$ 353,572
NORTH DESERT	436	\$ 600,000	12	\$ 135,137	1,079,063	\$ 16,608,256
SOUTH DESERT	322	\$ 1,939,412	12	\$ 337,947	296,214	\$ 1,943,788
WEST END NORTH	138	\$ 211,845	-	\$ -	14	\$ 28,508
WEST END SOUTH	264	\$ 1,362,922	1,563	\$ 28,936,541	3,899	\$ 4,301,886
TOTAL	4,746	\$ 20,970,507	1,992	\$ 32,158,364	1,379,467	\$ 23,236,010

	NURSERY PRODUCTS		LIVESTOCK & POULTRY	TOTAL VALUE	
	ACRES	VALUE	VALUE	ACRES	VALUE
CENTRAL	88	\$ 1,994,857	\$ 8,029,500	105	\$ 10,056,035
EAST END	189	\$ 2,113,449	\$ 6,462,325	4,442	\$ 28,502,735
NORTH DESERT	327	\$ 2,512,500	\$ 12,079,200	1,079,838	\$ 31,935,093
SOUTH DESERT	12	\$ 9,784,356	\$ 6,523,353	296,560	\$ 20,528,856
WEST END NORTH	41	\$ 7,441,389	\$ 49,900	192	\$ 7,731,642
WEST END SOUTH	474	\$ 24,225,960	\$ 298,868,250	6,199	\$ 357,695,559
TOTAL	1,130	\$ 48,072,511	\$ 332,012,528	1,387,335	\$ 456,449,920

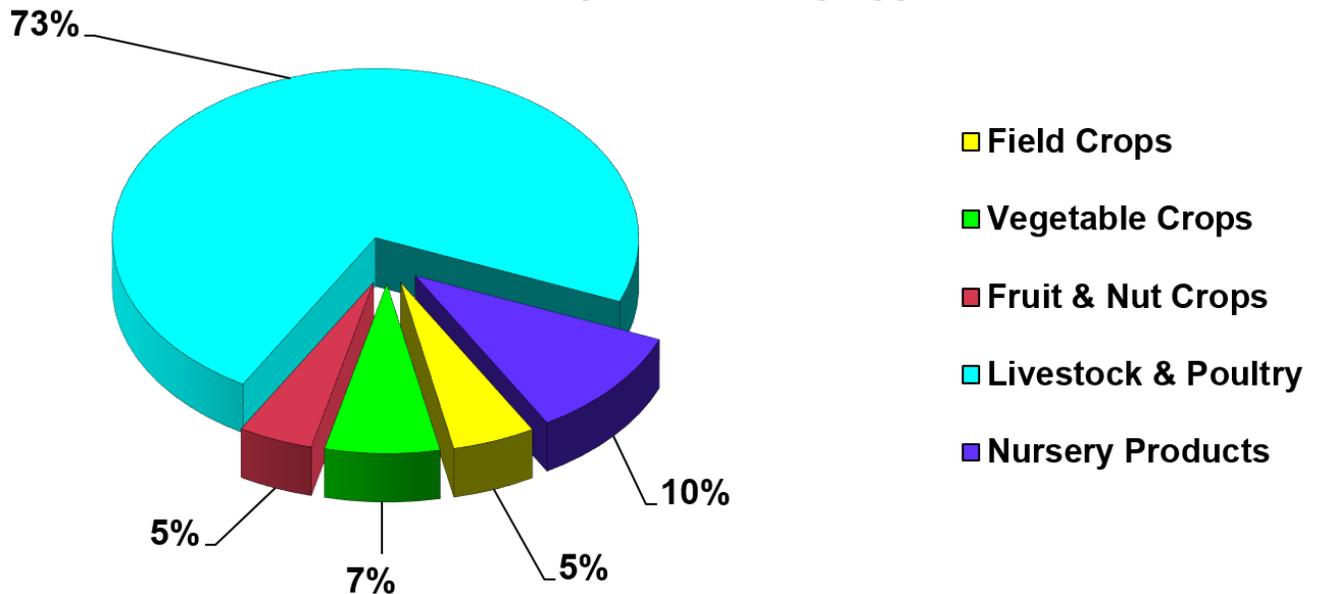


SUMMARY COMPARISONS

Commodity Group	2016 Acreage	2016 \$ Value	2015 Acreage	2015 \$ Value
Field Crops	1,379,467	\$ 23,236,010	1,380,129	\$ 35,794,256
Vegetable Crops	1,992	\$ 32,158,364	2,259	\$ 30,841,586
Fruit & Nut Crops	4,746	\$ 20,970,507	4,515	\$ 18,736,117
Livestock & Poultry	---	\$332,012,528	---	\$ 355,131,135
Nursery Products	1,130	\$ 48,072,511	897	\$ 23,335,295
TOTAL	1,387,335	\$456,449,920	1,387,800	\$463,838,389



% Of Production By Commodity Type



Exotic Pests Intercepted in 2016

<u>Common Name/Type</u>	<u>Scientific Name</u>	<u>Rating</u>	<u># Found</u>
White Peach Scale	<i>Pseudaulacaspis pentagona</i>	A	7
Mealybug	<i>Dysmicoccus grassii</i>	A	1
Boxwood Scale	<i>Pinnaspis buxi</i>	A	1
Bougainvillea Mealybug	<i>Phenacoccus peruvianus</i>	A	10
Japanese Beetle (ONT Airport interceptions)	<i>Popillia japonica</i>	A	42
Anthraxnose Fungal Disease	<i>Colletotrichum asianum</i>	B	2
Anthraxnose Fungal Disease	<i>Colletotrichum fructicola</i>	B	1
Anthraxnose Fungal Disease	<i>Colletotrichum theobromicola</i>	B	1
Green Shield Scale	<i>Pulvinaria psidii</i>	B	3
Heart-podded Hoarycress	<i>Lepidium draba</i>	B	1
Malaysian Fruit Fly (1st time found in CA)	<i>Bactrocera tau-complex</i>	Q	1
Amber Snail	<i>Succinea sp.</i>	Q	2
Ambrosia Bark Beetle	<i>Coleoptera, Curculionidae</i>	Q	1
Auger Beetle	<i>Bostrichidae</i>	Q	2
Ant	<i>Cardiocondyla obscurior</i>	Q	4
Ant	<i>Tapinoma sp.</i>	Q	1
Broad-nosed Weevil	<i>subfamily Entiminae</i>	Q	1
Diaspidid Scale	<i>Fiorinia externa</i>	Q	1
Mango Shield Scale	<i>Milviscutulus mangiferae</i>	Q	2
Rice Root Nematode	<i>Hirschmanniella sp.</i>	Q	2
Slender Soft Scale	<i>Prococcus acutissimus</i>	Q	3
White Eyecap Moth	<i>Lepidoptera Opostegidae</i>	Q	1
White-footed Ant	<i>Technomyrmex albipes</i>	Q	3
Gray Pineapple Mealybug	<i>Dysmicoccus neobrevipes</i>	Q	1
Wax Scale	<i>Hemiptera Coccidae</i>	Q	1
False Coconut Mealybug	<i>Nipaecoccus floridensis</i>	Q	8
Big-headed Ant	<i>Pheidole megacephala</i>	Q	1
Pavement Ant	<i>Tetramorium sp.</i>	Q	1
Seed Bug	<i>Nysius sp.</i>	Q	2
Praticolella Snail	<i>Gastropoda Polygyridae</i>	Q	1
Scarab Beetle	<i>Coleoptera Scarabaeidae</i>	Q	1
Stilt-legged Fly	<i>Family Mircopezidae</i>	Q	1



White Peach Scale



Malaysian Fruit Fly



Heart-podded Hoarycress



Big-headed Ant

Pest ratings are established by the California Department of Food and Agriculture and are defined as follows:

"A" - An organism of known economic importance subject to state (or commissioner when acting as a state agent) enforced action involving: eradication, quarantine, containment, rejection, or other holding action.

"B" - An organism of known economic importance subject to: eradication, containment, control or other holding action at the discretion of the individual county agricultural commissioner; or, an organism of known economic importance subject to state endorsed holding action and eradication only when found in a nursery.

"Q" - An organism or disorder requiring temporary "A" action pending determination of a permanent rating. The organism is suspected to be of economic importance but its status is uncertain because of incomplete identification or inadequate information.

Department of Agriculture / Weights & Measures Personnel

Agricultural Commissioner / Sealer of Weights & Measures

Roberta Willhite

Assistant Agricultural Commissioner / Sealer

Allen Lampman

Deputy Agricultural Commissioner / Sealer

Sandy Cleland Renee Reid

Supervising Agricultural / Standards Officer

Denise Crowley Brady Gergovich Emilio Lopez Steve Mackenzie Tom Stevenson

Agricultural / Standards Officer

Jessica Abbruzzese	Russell Bice	Christian Calvillo	Javier Chavolla
Cordell Clark	Michael Cochrane	Hamp Conners	Micheelle Cuevas
Zia Fazel	David Gonzalez	Bill Herr	Arnold Johnson
George Kolbe	Shannon Lehrter	Joseph Lundeen	Misael Martinez
Larry Montoya	Jessica Naquin	Julian Ramos	Jeanne Sablan
Paul Sharpe	Sean Tracy	Mark Tully	Keri Vigil
Maria Zarate			

Agricultural Pest Exclusion Officer / Canine Handler

Kristina Cummings

Agricultural /Standards Technician

Jim Chambers David Mahosky Daniel Rivera

Agricultural Field Aide I & II

Robert Abbey	Chris Allen	Ismael Almanza (FAII)	Chris Banta
Allen Berg	Armando Cruz	Wendy Eastwood	Humphrey Kiuruwi
Cindy Lopez	Carrie Mackenzie	Sherry Miller	Kelsey Oefinger
Julian Potier	Joshua Prosser	Greg Rodriguez	John Sarmiento
Joseph Stewart			

Canine Handler Assistant

Joshua Hardeman

Canine Pest Exclusion Specialist

"Bishop"

Clerical Support

Tonná Cole, Executive Secretary
Melinda Paulson, Fiscal Assistant
Katrina "Kat" Menell, Office Assistant III
Maria Ramirez, Office Assistant III
Dellana Smith, Office Assistant III
Kathy White, Office Assistant III



