



Agriculture/
Weights & Measures



2019 CROP REPORT



DEFINITIONS

Cwt: Hundredweight, 100 pounds.

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

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

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.

Miscellaneous crops: Commodities produced by 3 or fewer growers in order to ensure confidentiality.





Agriculture / Weights & Measures Community Services Group

Roberta Y. Willhite
Agricultural Commissioner/Sealer

Karen Ross, Secretary
California Department of Food and Agriculture

The Honorable Board of Supervisors of San Bernardino County

It is my pleasure to present the 2019 San Bernardino County Crop Report that was prepared pursuant to the provisions of Section 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 of 2019. All data shown represents gross production and values only and not the actual net profit. All prices noted are estimated based on the average price received by growers and producers. Due to rounding, numbers presented throughout this report may not add up precisely to the totals provided. In order to ensure confidentiality, commodities produced by three or fewer growers are recorded in the miscellaneous categories for their commodity groups.

The overall value of agriculture in San Bernardino County totaled \$384,223,000. This total represents a decrease in value from 2018 of \$109,170,000. The decrease in crop value is primarily contributed to the closure of 11 dairies, resulting in a decline in value over \$64.5M in Milk Production. Other significant commodities that had a decline in value includes: Chicken Eggs over \$10.2M; Indoor Decorative Plants over \$4.1M; Strawberries over \$2M; and the value and acreage of oranges continues to decline from the previous years due to the number of growers who are selling their land to developers.

Crop value varies from year to year based on production, market fluctuations and weather. A notable increase in value of apples, herbs & spices, alfalfa hay, and turf was recorded in 2019.

Agriculture remains a critical component of the economy in San Bernardino County. The strength of agriculture is contributed to the diversity of agricultural crops produced in our county. The 2019 crop report includes more than 235 different commodities, 26 of which have a gross value in excess of one million dollars.

I would like to take this opportunity to thank all of the agricultural producers who provided the necessary information for this report. I would also like to thank all members of my staff who helped with the compilation and preparation of this report, especially Sati Sandhu, Jessica Naquin and Renee Reid. Their dedicated efforts provided the vital information that enables this report to be as complete and detailed as possible.

Respectfully Submitted,

A handwritten signature in cursive script that reads "Roberta Y. Willhite".

Roberta Y. Willhite
Agricultural Commissioner/Sealer

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TABLE OF CONTENTS

- 02** Top Ten Products
- 02** Million Dollar Commodities
- 03** Field Crops
- 04** Fruits & Nut Crops
- 06** Vegetable Crops
- 08** Nursery Products
- 08** Apiary
- 09** Animal Products
- 09** Livestock & Animal Products
- 10** Exotic Pests Intercepted
- 11** Phytosanitary Certificates Issued
- 12** Award for Excellence
- 13** Dog Team
- 13** Pest Detection & Pest Exclusion
- 14** Pest Management
- 14** Pesticide Use Enforcement
- 15** Certified Farmer's Markets
- 15** Consumer Protection Weights & Measures

TOP TEN PRODUCTS

2019 RANK	PRODUCT	VALUE	% OF TOTAL	2018 RANK
1	MILK & MILK PRODUCTS	\$109,615,000	28.53%	1
2	CATTLE, CALVES & DAIRY CULL	\$71,770,000	18.68%	2
3	EGGS	\$33,276,000	8.66%	3
4	REPLACEMENT HEIFERS	\$29,283,000	7.62%	4
5	TREES & SHRUBS (INCL. ROSES)	\$18,038,000	4.69%	5
6	INDOOR DECORATIVES	\$17,427,000	4.54%	6
7	TURF	\$10,826,000	2.82%	11
8	CITRUS FRUIT	\$9,724,000	2.53%	7
9	GROUND COVER / BEDDING PLANTS	\$7,783,000	2.03%	9
10	ALFALFA (ALL TYPES)	\$7,492,000	1.95%	10
TOTAL TOP TEN: \$315,234,000				

Trees & Shrubs includes Roses.

Indoor Decoratives includes Bonsai, Orchids and Terrarium Plants.

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

Alfalfa includes Greenchop and Hay.

MILLION DOLLAR COMMODITIES

COMMODITY	VALUE	COMMODITY	VALUE
MILK	\$105,432,000	AVOCADOS	\$3,646,000
EGG, CHICKEN	\$33,276,000	PALM TREES	\$2,958,000
REPLACEMENT HEIFERS	\$29,283,000	ORANGES, NAVEL	\$2,750,000
DAIRY CULL	\$28,771,000	HERBS & SPICES	\$2,581,000
TREES & SHRUBS	\$18,038,000	APPLES	\$2,435,000
INDOOR DECORATIVES	\$17,427,000	STARTED PULLETS	\$2,354,000
TURF	\$10,826,000	SILAGE CORN	\$2,159,000
GROUND COVER	\$6,576,000	APIARY	\$1,688,000
ALFALFA	\$6,509,000	ORANGES, VALENCIA	\$1,577,000
BOK CHOY	\$4,789,000	STRAWBERRIES	\$1,366,000
RANGELAND	\$4,721,000	BEDDING PLANTS	\$1,207,000
LEMONS	\$4,409,000	JUJUBES	\$1,125,000
MILK PRODUCTS	\$4,183,000	BERMUDA	\$1,091,000

FIELD CROPS

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
GREENCHOP							
ALFALFA	2019	409	24	9,789 TON	\$100.42	\$2,403.42	\$983,000
	2018	750	25	18,750 TON	\$109.01	\$2,725.33	\$2,044,000
OATS	2019	328	13	4,412 TON	\$79.32	\$1,068.41	\$350,000
	2018	352	12	4,224 TON	\$81.91	\$982.95	\$346,000
SUDAN	2019	1,921	7	12,640 TON	\$36.55	\$240.56	\$462,000
	2018	1,871	6	11,226 TON	\$38.84	\$233.03	\$436,000
HAY							
ALFALFA	2019	4,850	7	34,022 TON	\$191.32	\$1,342.06	\$6,509,000
	2018	4,502	7	30,389 TON	\$160.26	\$1,081.74	\$4,870,000
BERMUDA	2019	745	8	5,710 TON	\$191.07	\$1,464.43	\$1,091,000
	2018	900	6	5,400 TON	\$196.48	\$1,178.89	\$1,061,000
SUDAN	2019	420	8	3,360 TON	\$204.76	\$1,638.10	\$688,000
	2018	409	8	3,275 TON	\$198.47	\$1,589.24	\$650,000
MISC. MIXED HAY	2019	560	3	1,560 TON	\$273.08	\$760.71	\$426,000
	2018	370	3	1,203 TON	\$240.32	\$781.08	\$289,000
SILAGE							
CORN	2019	1,482	29	42,844 TON	\$50.39	\$1,456.82	\$2,159,000
	2018	1,665	28	46,787 TON	\$49.59	\$1,393.39	\$2,320,000
SORGHUM	2019	521	18	9,199 TON	\$61.85	\$1,092.13	\$569,000
	2018	707	19	13,584 TON	\$66.70	\$1,280.75	\$906,000
WHEAT	2019	1,342	4	5,337 TON	\$121.61	\$483.58	\$649,000
	2018	1,565	2	2,348 TON	\$189.95	\$284.98	\$446,000
	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
PASTURE	2019	606		ACRE		\$1,640.00	\$994,000
	2018	513		ACRE		\$1,649.12	\$846,000
RANGELAND GRAZING*	2019	1,348,920		ACRE		\$3.50	\$4,721,000
	2018	1,348,920		ACRE		\$0.30	\$402,000
MISCELLANEOUS**	2019	8,954	5 TON	41,210 TON	\$176.24	\$811.16	7,263,000
	2018	13,079	5 TON	61,801 TON	\$165.35	\$781.33	\$10,219,000
TOTAL FIELD CROPS	2019	1,371,057					\$26,864,000
	2018	1,374,403					\$22,756,000

**Miscellaneous 2019: Hay (Barley, Oats, Rye, Wheat); Greenchop (Corn, Sorghum, Bermuda Grass); Silage (Alfalfa, Oats, Rye, Sudan Grass), Cropland Forage

**Miscellaneous 2018: Hay (Barley, Oats, Rye, Wheat); Greenchop (Rye, Sorghum, Sudan Grass, Wheat); Silage (Alfalfa, Oats, Rye, Sudan Grass), Cropland Forage

FRUITS & NUT CROPS

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
CITRUS							
LEMONS	2019	769	7.3	5,628 TON	\$783.43	\$5,733.57	\$4,409,000
	2018	716	6.7	4,771 TON	\$931.43	\$6,209.03	\$4,444,000
ORANGES, NAVAL	2019	846	7.7	6,524 TON	\$421.52	\$3,250.95	\$2,750,000
	2018	926	18.9	17,467 TON	\$261.46	\$4,930.63	\$4,567,000
ORANGES, VALENCIA	2019	723	8.3	5,998 TON	\$262.92	\$2,180.46	\$1,577,000
	2018	669	16.0	10,711 TON	\$216.70	\$3,466.99	\$2,321,000
GRAPEFRUIT	2019	181	10.2	1,845 TON	\$428.80	\$4,382.19	\$791,000
	2018	102	11.7	1,197 TON	\$417.71	\$4,881.86	\$500,000
TANGELOS	2019	5	5.8	29 TON	\$1,724.14	\$10,019.44	\$50,000
	2018	4	8.2	35 TON	\$1,027.98	\$8,458.65	\$36,000
OTHER CITRUS*	2019	21	4.5	95 TON	\$1,547.37	\$7,000.00	\$147,000
	2018	18	6.0	108 TON	\$1,310.46	\$7,834.64	\$141,000

*Incl: Orange (Blood & Cara Cara), Calamondin, Citron, Kumquat, Limes, Mandarins, Minneola, Pomella, Tangerine

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
APPLES	2019	230	2.4	549 TON	\$4,434.40	\$10,588.06	\$2,435,000
	2018	298	2.4	701 TON	\$1,880.09	\$4,418.22	\$1,318,000
AVOCADOS	2019	397	3.5	1,397 TON	\$2,609.88	\$9,186.66	\$3,646,000
	2018	457	3.9	1,761 TON	\$2,378.07	\$9,160.10	\$4,188,000
BLACKBERRIES	2019	2	4.8	8	\$11,180.12	\$54,216.87	\$90,000
	2018			MISCELLANEOUS IN 2018			
GRAPES, RED WINE	2019	72	1.3	95 TON	\$1,619.69	\$2,138.89	\$154,000
	2018	76	0.8	61 TON	\$1,249.93	\$1,000.00	\$76,000
GRAPES, ZINFANDEL	2019	147	1.4	207 TON	\$1,053.14	\$1,482.99	\$218,000
	2018	147	0.1	17 TON	\$1,086.98	\$122.45	\$18,000
JUJUBES	2019	82	2.2	179 TON	\$6,284.92	\$13,785.08	\$1,125,000
	2018	87	1.6	140 TON	\$7,498.39	\$11,997.25	\$1,047,000
PERSIMMONS	2019	8	3.1	24 TON	\$6,016.60	\$18,493.48	\$145,000
	2018			MISCELLANEOUS IN 2018			

FRUITS & NUT CROPS CONTINUED

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
PISTACHIOS	2019	338	0.2	71 TON	\$5,323.94	\$1,118.34	\$378,000
	2018	338	0.2	69 TON	\$5,304.46	\$1,079.56	\$365,000
POMEGRANATES	2019	4	4.0	15 TON	\$4,882.02	\$19,529.66	\$72,000
	2018	10	7.9	78 TON	\$1,052.50	\$8,321.49	\$82,000
STRAWBERRIES	2019	45	7.9	357 TON	\$3,829.28	\$30,091.75	\$1,366,000
	2018	115	15.5	1,785 TON	\$1,911.48	\$29,633.49	\$3,412,000
**MISCELLANEOUS	2019	38	23	872 TON	\$859.62	\$19,681.00	\$750,000
	2018	121	2.7	329 TON	\$1,302.16	\$3,538.04	\$429,000
TOTAL FRUIT & NUT CROPS	2019	3,907				\$20,103,000	\$20,103,000
	2018	3,789				\$22,757,000	\$22,757,000

**Miscellaneous 2019: Almond, Apricot, Aprium, Asian Pear, Banana, Blueberries, Boysenberries, Cherimoya, Cherries, Crab Apple, Dates, Dragonfruit, Fig, Guava, Kiwi, Loquat, Mango, Mulberries, Necta-Plum, Nectarine, Olive, Papaya, Passion Fruit, Peach, Pears, Pecans, Plum, Pluot, Raspberries, Sapote, Walnut.

**Miscellaneous 2018: Almond, Apricot, Aprium, Asian Pear, Blackberries, Blueberries, Boysenberries, Cherimoya, Cherries, Crab Apples, Dates, Fig, Grapes (Table & White Wine), Guava, Jojoba, Kiwi, Loquat, Mango, Mulberries, Nectarine, Olive, Peaches, Persimmons, Plum, Pluot, Raspberries, Ume Plum, Walnuts.



VEGETABLE CROPS

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
BEANS (INCL. GREEN BEANS)	2019	31	4.7	146 TON	\$1,917.81	\$8,939.97	\$280,000
	2018	32	3.7	118 TON	\$1,576.65	\$5,796.02	\$186,000
CARROTS	2019	4	32.3	133 TON	\$829.00	\$26,763.99	\$110,000
	2018	5	34.3	171 TON	\$548.26	\$18,800.00	\$94,000
CORN, SWEET	2019	76	8.2	623 TON	\$634.19	\$5,188.49	\$395,000
	2018	75	11.0	826 TON	\$525.22	\$5,777.42	\$434,000
HERBS & SPICES	2019	184	2.6	485 TON	\$5,321.65	\$14,064.63	\$2,581,000
	2018	172	3.0	515 TON	\$2,499.32	\$7,498.32	\$1,286,000

2019 Herbs: Arugula, Basil, Chervil, Chipilin, Chives, Cilantro, Cilantro Blossoms, Coriander, Dill, Dill Blossoms, Epazote, Eucalyptus leaves, Fennel, Ginger, Huauzontle, Lavendar, Lemongrass, Marjoram, Mint, Oregano, Papalo, Papicha, Parsley, Peppermint, Quelite, Rosemary, Sage, Savory, Sorrel, Spearmint, Stevia, Tarragon, Thyme, Verbena.

2018 Herbs: Arugula, Basil, Chervil, Chives, Cilantro, Dill, Marjoram, Mint, Oregano, Parsley (Italian), Pepper Spice, Peppermint, Purslane, Rosemary, Sage, Sorrel, Tarragon, Thyme, Vetch.

LETTUCE (LOOSE LEAF & ROMAINE)	2019	53	13.9	739 TON	\$676.64	\$9,391.44	\$500,000
	2018	47	12.9	604 TON	\$741.72	\$9,531.91	\$448,000
ONIONS, DRY	2019	34	18.1	611 TON	\$541.73	\$9,816.13	\$331,000
	2018	34	22.0	748 TON	\$353.06	\$7,764.71	\$264,000

ORIENTAL VEGETABLES

BOK CHOY	2019	389	29.6	11,510 TON	\$416.09	\$12,311.05	\$4,789,000
	2018	892	30.7	27,341 TON	\$194.83	\$5,971.97	\$5,327,000
GAI CHOY (MUSTARD CABBAGE)	2019	357	12.4	4,436 TON	\$80.04	\$994.40	\$355,000
	2018	386	11.2	4,318 TON	\$74.58	\$835.28	\$322,000
GAI LAN (CHINESE BROCCOLI)	2019	107	12.4	1,324 TON	\$284.74	\$3,523.36	\$377,000
	2018	137	11.2	1,529 TON	\$270.80	\$3,023.97	\$414,000
SHER LI HON (MUSTARD GREENS)	2019	68	29.5	2,008 TON	\$107.08	\$3,161.76	\$215,000
	2018	420	11.2	4,698 TON	\$111.53	\$1,249.11	\$524,000
YU CHOY	2019	11	10.4	114 TON	\$805.00	\$8,363.64	\$92,000
	2018	51	11.2	571 TON	\$742.30	\$8,313.73	\$424,000
MISCELLANEOUS ORIENTAL VEGETABLE	2019	185	12.7	2,348 TON	\$526.48	\$6,681.08	\$1,236,000
	2018	160	11.7	1,872 TON	\$568.87	\$6,658.33	\$1,065,000

2019 Misc. Oriental Vegetables: Choy Sum (Baby Bok Choy), Lo Bok (Daikon Radish), Kabocha Squash, Ku Gua (Bitter Melon), Mizuna, Napa cabbage, Pak Choy, Shungiku / Tong Ho (Chrysanthemum greens), Tian cui wan dou (Snowpeas), Yin Choy (Amaranthus).

2018 Misc. Oriental Vegetables: Choy Sum (Baby Bok Choy), Lo Bok (Daikon Radish), Don Qua (Winter Melon), Kabocha Squash, Ku Gua (Bitter Melon), Mizuna, Napa Cabbage, Shungiku / Tong Ho (Chrysanthemum greens), Tatsoi, Tian Cul Wan Dou (Snowpeas), Yin Choy (Amaranthus).

VEGETABLE CROPS CONTINUED

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
PEPPERS, BELL	2019	8	16.9	127 TON	\$1,427.67	\$24,074.07	\$182,000
	2018	9	21.0	179 TON	\$894.25	\$18,778.90	\$160,000
PUMPKIN	2019	124	11.6	1,438 TON	\$425.01	\$4,929.41	\$611,000
	2018	128	9.5	1,213 TON	\$665.29	\$6,323.46	\$807,000
RADISH	2019	30	9.3	283 TON	\$665.40	\$6,174.70	\$188,000
	2018	22	7.0	151 TON	\$1,003.32	\$7,023.26	\$151,000
SQUASH	2019	54	8.5	455 TON	\$1,022.47	\$8,654.38	\$465,000
	2018	59	11.8	689 TON	\$527.93	\$6,206.31	\$364,000
TOMATOES	2019	19	15.3	288 TON	\$975.36	\$14,962.73	\$281,000
	2018	22	18.0	389 TON	\$645.58	\$11,620.37	\$251,000
WATERMELON	2019	54	21.2	1,146 TON	\$471.96	\$10,024.09	\$541,000
	2018	57	24.0	1,356 TON	\$364.29	\$8,743.01	\$494,000
MISCELLANEOUS VEGETABLES*	2019	122	76.2	9,315 TON	\$1,842.34	\$140,418.55	\$17,161,000
	2018	346	38.6	13,339 TON	\$2,236.71	\$86,297.33	\$29,836,000
TOTAL VEGETABLE CROPS	2019	1,910					\$30,690,000
	2018	2,866					\$43,309,000

*Miscellaneous Vegetables 2019: Aloe Vera, Artichoke, Asparagus, Beets, Broccoli, Brussel Sprout, Cabbage, Cactus, Cactus Pad, Cauliflower, Celery, Chard, Collards, Cucumber, Dandelion Green, Eggplant, Fava Bean, Garlic, Green Bean, Kale, Kohlrabi, Leeks, Melon (Ambrosia, Banana, Canary, Cantaloupe, Casaba, Crenshaw, French, Galia, Gaya, Honeydew, Lambkin, Ogen, Papaya, Persian, Prity), Microgreens, Morings, Mushroom, Okra, Onions (Green), Parsnip, Pepper Chili, Potato, Purslane, Rhubarb, Rutabaga, Scallion, Shallots, Spinach, Sweet Potato, Swiss Chard, Tomatillo, Turnip, Vegetable Sprouts, Watercress, Zucchini.

*Miscellaneous Vegetables 2018: Artichoke, Asparagus, Beets, Broccoli, Cabbage, Cactus, Cauliflower, Celery, Chard, Collards, Cucumbers, Eggplant, Garlic, Kale, Kohlrabi, Leeks, Lettuce (Bitter & Iceberg), Melons (Cantaloupe & Honeydew), Mushrooms, Mustard Greens, Okra, Onions (Green), Peas (Snap & Succulent "Beans"), Peppers (Chili), Potatoes, Spinach, Sprouts, Sugar Beet, Sugar Cane, Sweet Potatoes, Tomatillos, Turnips, Watercress, Yams, Zucchini.

NURSERY PRODUCTS

	YEAR	GREEN-HOUSE SQ FT	FIELD ACRE	QUANTITY SOLD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
BEDDING PLANTS	2019	4,000	20	206,073 FLATS	\$5.86	\$61,362.48	\$1,207,000
	2018	4,800	25	113,484 FLATS	\$9.47	\$42,389.27	\$1,075,000
CHRISTMAS TREES	2019		8	2,162 TREES	\$61.52	\$16,121.21	\$133,000
	2018		11	1,150 TREES	\$63.48	\$6,790.70	\$73,000
GROUND COVER	2019	165,340	59	1,805,400 FLATS	\$3.64	\$111,931.91	\$6,576,000
	2018	149,350	75	1,960,100 FLATS	\$3.30	\$81,916.48	\$6,459,000
INDOOR DECORATIVES (INCL. BONSAI & ORCHIDS)	2019	282,000		921,551 PLANTS	\$18.91	\$2,693,508.50	\$17,427,000
	2018	369,850		933,000 PLANTS	\$23.16	\$2,544,700.18	\$21,606,000
PALM TREES	2019		35	5,879 TREES	\$503.15	\$84,756.45	\$2,958,000
	2018		52	7,200 TREES	\$567.64	\$56,148.95	\$4,087,000
TREES & SHRUBS (INCL. ROSES)	2019	14,500	341	1,382,523 PLANTS	\$13.05	\$52,860.16	\$18,038,000
	2018	17,750	346	1,553,400 PLANTS	\$12.54	\$56,148.95	\$19,474,000
TURF	2019		522	22,726,123 SQ FT		\$20,750.59	\$10,826,000
	2018		610	27,144,150 SQ FT		\$11,573.60	\$7,057,000
MISCELLANEOUS*	2019		78	78,434 PLANTS	\$11.33	\$11,366.83	\$889,000
	2018	16,400	53	160,436 PLANTS	\$7.77	\$23,467.86	\$1,247,000
TOTAL NURSERY PRODUCTS	2019	465,840	1,063				\$58,054,000
	2018	558,150	1,172				\$61,214,000

*Miscellaneous 2019 : Cactus & Succulents, Cut Flowers, Other Non-Ornamentals, Poinsettias, Vegetable transplants.

*Miscellaneous 2018 : Cactus & Succulents, Cut Flowers, Poinsettias, Seasonal Vegetable transplants, Small Fruit Trees.

APIARY

APIARY PRODUCTS	TOTAL HIVES	TOTAL VALUE
2019	23388	\$1,688,000

Total Value includes honey, beeswax, pollen and pollination services.

ANIMAL PRODUCTS

	YEAR	PRODUCTION/UNIT	TON/ACRE	TOTAL YIELD/UNIT
MILK	2019	5,903,220 CWT	\$17.86	\$105,432,000
	2018	9,631,100 CWT	\$17.65	\$169,989,000
MILK PRODUCTS (CHEESE, YOGURT, ETC)	2019	213,841 CWT	\$19.56	\$4,183,000
	2018	267,250 CWT	\$16.16	\$4,319,000
EGG, CHICKEN	2019	23,836,739 DOZEN	\$1.40	\$33,276,000
	2018	37,817,889 DOZEN	\$1.15	\$43,491,000

LIVESTOCK & ANIMAL PRODUCTS

	YEAR	# OF ANIMALS	LIVEWEIGHT/UNIT	\$ PER UNIT	TOTAL \$ VALUE
CATTLE & CALVES	2019	44,600	272,060 CWT	\$158.05	\$42,999,000
	2018	42,840	276,400 CWT	\$152.53	\$42,158,000
DAIRY CULL	2019	35,100	491,400 CWT	\$58.55	\$28,771,000
	2018	33,600	470,400 CWT	\$57.43	\$27,015,000
REPLACEMENT HEIFERS	2019	42,500	HEADS	\$689.01	\$29,283,000
	2018	42,500	HEADS	\$651.39	\$27,684,000
POULTRY					
STARTED PULLETS	2019	779,625		\$3.02	\$2,354,000
	2018	891,000		\$3.56	\$3,173,000
TURKEYS	2019	33,542	536,667 LB.	\$12.93	\$434,000
	2018	35,000	560,000 LB.	\$12.80	\$448,000
	YEAR	# OF ANIMALS	LIVEWEIGHT/UNIT	\$ PER UNIT	TOTAL \$ VALUE
MISCELLANEOUS*	2019				\$92,000
	2018				\$428,000
TOTAL LIVESTOCK & ANIMAL PRODUCTS	2019				\$246,824,000
	2018				\$318,705,000

*Miscellaneous Livestock 2019: Eggs (Ducks, Emu, Geese, Guinea fowl, Ostrich, Peacock, Quail).

*Miscellaneous Livestock 2018: Chickens (Spent Hens), Eggs (Duck, Quail, Turkey), Honey.

ESTIMATE NUMBERS OF DAIRIES	2019	2018
	41	52

EXOTIC PESTS INTERCEPTED

COMMON NAME	SCIENTIFIC NAME	RATING	ORIGIN	INTERCEPTIONS
ANT	FORMICIDAE AUROPUNCTATA	A	HI	1
APHID	APHIDIDAE SP.	A	HI	1
ARMORED SCALES	DIASPIDIDAE AGUACATAE	A	FL	1
BLACK THREAD SCALE	DIASPIDIDAE LONGIROSTRIS	A	FL	1
BOXWOOD SCALE	DIASPIDIDAE BUXI	A	HI	1
LESSER SNOW SCALE	PINNASPIS STRACHANI	A	HI	2
MANGO SHIELD SCALE	COCCIDAE MANGIFERAE	A	FL	1
ORIENTAL SCALE	DIASPIDIDAE ORIENTALIS	A	SC	1
PACIFIC MEALYBUG	PSEUDOCOCCIDAE MINOR	A	HI	2
RED WAX SCALE	COCCIDAE RUBENS	A	HI	1
STELLATE SCALE	COCCIDAE STELLIFER	A	HI	4
TRILOBE SCALE	PSEUDAONIDIA TRILOBITIFORMIS	A	HI, TX	4
WHITEFLY	ALEUROTRACHELUS ANONAE	A	SC	3
MEALYBUG	FORMICIDAE SP.	Q	HI	3
FORMICIDAE	PSEUDOCOCCIDAE SP.	Q	ECUADOR, FL, HI, ID, SC	9
MOTH	PYRALIDAE ADOCETA	Q	HI	1
PACIFIC BEETLE COCKROACH	PYRALIDAE ADOCETA	Q	HI	1
SCALE	DIASPIDIDAE SP.	Q	ID, SC	2
SOFT SCALE	COCCIDAE HOWERTONI	Q	HI, FL	2
THRIPS	THRIPIDAE ORIENTALIS	Q	HI	1
WHITEFLY	ALEYRODIDAE SP.	Q	SC	1
APHID	APHIDIDAE SP.	A	LOCAL NURSERIES	1
BOUGAINVILLEA MEALYBUG	PSEUDOCOCCIDAE PERUVIANUS	A	LOCAL NURSERIES	22
RED IMPORTED FIRE ANT	FORMICIDAE INVICTA	A	LOCAL NURSERIES	1
GUAVA FRUIT FLY	BACTROCERA CORRECTA	A	LOCAL NURSERIES	1
MEALYBUG	PSEUDOCOCCIDAE SP.	Q	LOCAL NURSERIES	2

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

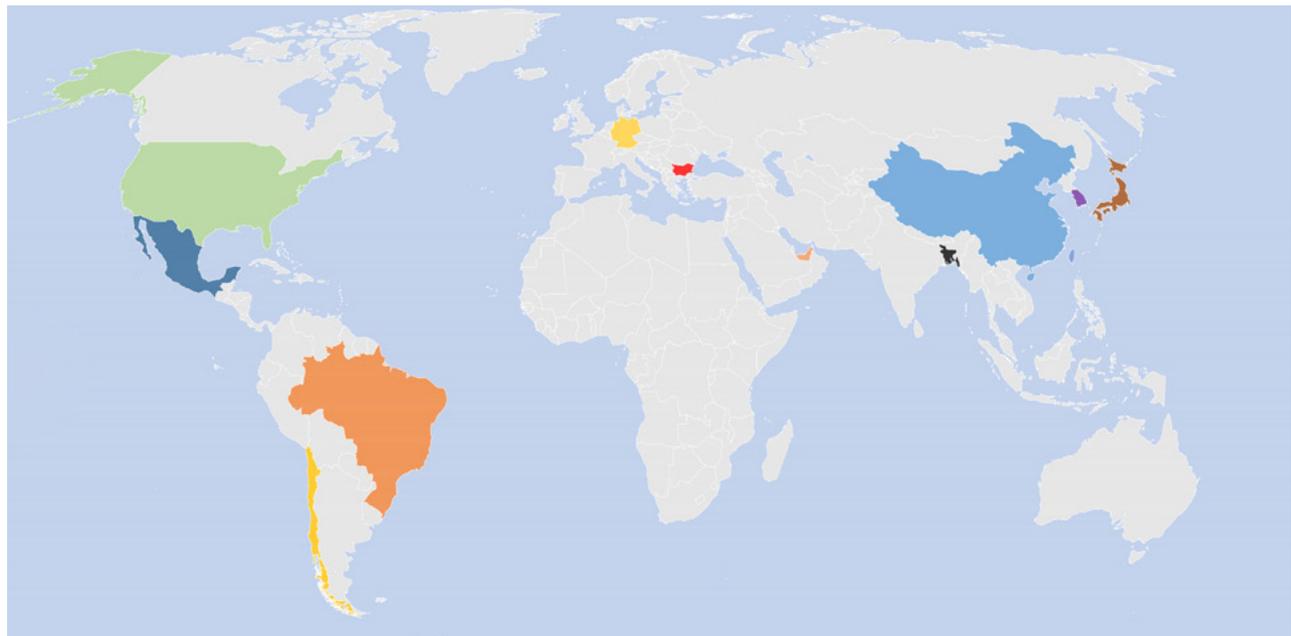
A - An organism of known economic importance subject to state (or commissioner when acting as a state agent) enforced action involving: eradication, quarantine, containment, rejection, or other holding action.

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.

PHYTOSANITARY CERTIFICATES ISSUED

BANGLADESH 1	BRAZIL 3	BULGARIA 1	CHILE 1
CHINA 47	FRENCH POLYNESIA 1	HONG KONG 1	JAPAN 20
REPUBLIC OF KOREA 38	MACAO 2	MEXICO 299	SAINT VINCENT & THE GRENADINES 1
TAIWAN 82	UNITED ARAB EMIRATES 61	UNITED STATES 889	GERMANY 1





AWARD FOR EXCELLENCE ZIA FAZEL

Zia Fazel, Agricultural Standards Officer IV, is a model employee and has demonstrated the Countywide Vision in action by working over 20 years to ensure that the residents of this County are treated fairly and equitably when making consumer transactions.

Zia has a strong passion for the work he performs, working hard every day to promote equity in the marketplace by the inspections he conducts. This includes package inspections at manufacturing and retail locations to verify consumer packages contain the correct weight, measure or count. He also completes price accuracy inspections to ensure consumers are paying the correct advertised or posted price. This past year, Zia completed over 850 inspections, registered 50 new businesses, responded to multiple consumer complaints and was responsible for the initiation of over 65 Administrative Fine Actions.

Zia is an expert in his field and is an asset to the department. He performs his duties with a positive attitude and demonstrates a commitment to excellence by doing an excellent job in the performance of his duties every day!

DOG TEAM

The Department's Agricultural Detector Dog Team performed 791 parcel inspections at carriers located in San Bernardino County. The team found 46 "A" or "Q" rated pests in packages, 11 of these detections were found in unmarked packages, confirming that parcels continue to present a pathway for high-risk pests to enter the state that may be detrimental to the agricultural industry.



PEST DETECTION

Pest Detection is an essential service provided by the department in order to protect California's diverse agricultural industry from the introduction of unwanted insect pests. When a pest is introduced into an area in which it does not naturally occur, it can multiply and spread rapidly. Prompt detection is crucial in order to begin eradication efforts. Our staff monitor local insect populations by utilizing insect traps devised to attract exotic insect pests. Frequent inspection of these traps allows us to find unwanted pests before they become established, which could pose a threat to agricultural crops and other plant material grown on residential properties. In 2019, our staff serviced and inspected 75,580 insect traps, resulting in the find of eight wild Mediterranean Fruit Flies.

PEST EXCLUSION

Our Pest Exclusion Program is the first line of defense to prevent non-native pests from becoming established in the state; these pests can be detrimental to agriculture. Inspections are conducted at mail/package carrier facilities, nurseries, retailers, and homes in order to identify unwanted pests that can inadvertently be introduced from fruit and other plant material that arrives from other states and countries. Plant material is also inspected before it leaves California in an effort to prevent unwanted insects from causing economic harm in other states and countries.



PEST MANAGEMENT

In 2009, the department started a long-term pest eradication program. The primary goal of this program is to eradicate noxious weeds of concern found in San Bernardino County. The department is focused on four specific weeds that have been detected in the desert and mountain areas of the county. When found, staff are removing these weeds by hand before the weed can produce any seed. The department's efforts are proving to be a great success:

Dalmatian Toadflax (*Linaria dalmatica*) is a noxious weed with extensive roots that can crowd out native plants: In 2009, there were 517 plants identified and removed from 50 acres in the mountain area of Fawnskin. During the past ten years, the number of plants removed has decreased dramatically. In 2019, there were 15 plants identified and removed.

Musk Thistle (*Carduus nutans*) is a noxious weed that can crowd out native plants and forage for livestock: In 2009, there were 50 plants identified and removed from 15 acres in the mountain area of Big Bear. During the past ten years, the number of plants removed has decreased. In 2019, there were four plants identified and removed, indicating that the infestation is nearing eradication.

Diffuse Knapweed (*Centaurea diffusa*) is highly invasive and can reduce the availability of desirable forage for livestock: In 2009, there were ten plants identified and removed from 15 acres in the mountain area of Arrowbear Lake. During the past ten years, the number of plants removed has decreased. In 2019, there were two plants identified and removed, indicating the infestation is nearing eradication.

Harmel (*Peganum harmala*) is a noxious weed and if eaten it can cause livestock to become sick or die: In 2009, there were 120 plants identified and removed from 100 acres in the desert area of Newberry Springs. During the past 10 years, the number of plants removed is steadily decreasing. In 2019, there were 60 plants identified and removed.



14

PESTICIDE USE ENFORCEMENT

The primary goal of the Pesticide Use Enforcement Program is to protect pesticide applicators, agricultural field workers, the public and environment from the improper use of pesticides that could be harmful when used improperly. Ensuring that pesticides are used appropriately and safely, Officers conduct application and record inspections for both structural and agricultural pesticide use; issue Restricted Material Permits; and investigate pesticide related injuries, illnesses and complaints. In 2019, staff conducted over 680 Pesticide Application Inspections, over 320 Business Records Inspections, conducted 73 illness related investigations, and issued 409 Restricted Material Permits and 123 Operator Identification Numbers.



CERTIFIED FARMER'S MARKETS & CERTIFIED PRODUCERS

Certified Farmer's Markets provide an outlet that allows Certified Producers an opportunity to sell the commodities that they grow directly to the consumer. In 2019, San Bernardino County had 63 Certified Producers and 20 Certified Farmer's Markets.

CONSUMER PROTECTION WEIGHTS & MEASURES

The key objective of the Consumer Protection Program is to protect businesses and consumers from financial harm. Device inspections are conducted to ensure that commercial weighing or measuring devices are accurate and prices charged for items are correct. Many different types of devices are inspected, including gasoline dispensers; scales ranging in size from precision jewelry scales to railroad track scales; taxi meters; odometers; LPG meters; and gas, electric, water utility sub meters. In addition to device inspections, package inspections are conducted to verify the labeled weight, volume or count of the commodity is accurate. These inspections are performed at retail store locations, manufacturing and warehouse facilities. Computerized pricing systems (scanners) inspections are also conducted to verify the correct advertised or posted price is charged at the register.

In 2019, officers conducted the following number of inspections: 6,050 scale inspections, 1,828 measuring device inspections, 17,754 gasoline dispenser inspections, 8,402 utility sub meter inspections, inspected 52,483 packages, visited 1,634 scanner locations checking 27,367 items for pricing accuracy.





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