



Agriculture/
Weights & Measures

An aerial photograph of a large orchard, likely citrus, with rows of trees stretching towards the horizon. In the background, a city is visible at dusk, with lights reflecting on the water and the mountains. The sky is a mix of orange, pink, and blue.

2020 • 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 2020 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 2020. 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 \$420,251,000. This total represents an increase in value from 2019 of \$36,028,000. Crop value varies from year to year based on production, market fluctuations and weather. The increase in crop value in 2020 is primarily contributed to an increase in price for navel oranges, milk, turf and strawberries and an increase in egg production due to the recovery of the Exotic Newcastle Disease, a deadly bird disease. 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 programs that the Department of Agriculture/Weights & Measures administers are essential; protecting the agricultural resources and the environment is crucial. The department remained committed to providing services throughout the COVID-19 pandemic. A shortage of N-95 masks and disposable facemasks occurred because of the pandemic. A collaboration between the California Department of Food and Agriculture, California Department of Pesticide Regulation and the California Office of Emergency Services, granted the department access to N95 masks for distribution to our local farmers, farming industry and agricultural workers who handle and apply pesticides for their personal protection against pesticide exposure. In addition, disposable masks were delivered to growers, farmers, ranchers and Pest Control Businesses who were in need.

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 and Jessica Naquin. Their dedicated efforts provided the vital information that enables this report to be as complete and detailed as possible.

Respectfully Submitted,

Roberta Y. Willhite

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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
10	Agriculture Value Over the Years
11	Phytosanitary Certificates Issued
12	Award for Excellence
13	Dog Team
13	Pest Detection
14	Pest Exclusion
14	Pesticide Use Enforcement
15	Consumer Protection Weights & Measures



TOP TEN PRODUCTS

2020 RANK	PRODUCT	VALUE	% OF TOTAL
1	MILK & MILK PRODUCTS	\$112,451,000	26.76%
2	CATTLE, CALVES & DAIRY CULL	\$64,937,000	15.45%
3	EGGS	\$50,526,000	12.02%
4	REPLACEMENT HEIFERS	\$25,266,000	6.01%
5	CITRUS FRUIT	\$19,130,000	4.55%
6	INDOOR DECORATIVES	\$18,127,000	4.31%
7	TREES & SHRUBS (INCL. ROSES)	\$17,161,000	4.08%
8	ALFALFA (ALL TYPES)	\$15,612,000	3.71%
9	TURF	\$12,427,000	2.96%
10	GROUND COVER & BEDDING PLANTS	\$8,198,000	1.95%
TOTAL TOP TEN: \$343,835,000			

MILLION DOLLAR COMMODITIES

COMMODITY	VALUE	COMMODITY	VALUE
MILK	\$108,379,000	PALM TREES	\$3,790,000
EGG, CHICKEN	\$50,526,000	BOK CHOY	\$2,982,000
CATTLE & CALVES	\$38,905,000	STRAWBERRIES	\$2,798,000
DAIRY CULL	\$26,032,000	ORANGES, VALENCIA	\$2,474,000
REPLACEMENT HEIFERS	\$25,266,000	APIARY	\$2,336,000
INDOOR DECORATIVES	\$18,127,000	SILAGE CORN	\$2,183,000
TREES & SHRUBS	\$17,161,000	AVOCADOS	\$2,091,000
ALFALFA	\$15,082,000	APPLES	\$2,052,000
RANGELAND	\$13,489,000	STARTED PULLETS	\$1,969,000
TURF	\$12,427,000	HERBS & SPICES	\$1,661,000
ORANGES, NAVAL	\$10,152,000	SUDAN HAY	\$1,545,000
GROUND COVER	\$7,419,000	JUJUBES	\$1,154,000
LEMONS	\$4,671,000	GRAPEFRUIT	\$1,132,000
MILK PRODUCTS	\$4,072,000		

FIELD CROPS

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
GREENCHOP							
ALFALFA	2020	230	23	5,220 TON	\$101.53	\$2,304.35	\$530,000
	2019	409	24	9,789 TON	\$100.42	\$2,403.42	\$983,000
OATS	2020	300	10	3,000 TON	\$40.00	\$400.00	\$120,000
	2019	328	13	4,412 TON	\$79.32	\$1,068.41	\$350,000
SUDAN	2020	2,065	1	2,800 TON	\$80.36	\$108.96	\$225,000
	2019	1,921	7	12,640 TON	\$36.55	\$240.56	\$462,000
HAY							
ALFALFA	2020	10,729	7	74,702 TON	\$201.90	\$1,405.72	\$15,082,000
	2019	4,850	7	34,022 TON	\$191.32	\$1,342.06	\$6,509,000
BERMUDA	2020	500	9	4,500 TON	\$180.00	\$1,620.00	\$810,000
	2019	745	8	5,710 TON	\$191.07	\$1,464.43	\$1,091,000
SUDAN	2020	774	10	7,723 TON	\$200.05	\$1,996.12	\$1,545,000
	2019	420	8	3,360 TON	\$204.76	\$1,638.10	\$688,000
MISC. MIXED HAY	2020	1,041	4	3,949 TON	\$135.48	\$513.93	\$535,000
	2019	560	3	1,560 TON	\$273.08	\$760.71	\$426,000
SILAGE							
CORN	2020	2,493	17	43,327 TON	\$50.38	\$875.65	\$2,183,000
	2019	1,482	29	42,844 TON	\$50.39	\$1,456.82	\$2,159,000
SORGHUM	2020	511	19	9,454 TON	\$62.52	\$1,156.56	\$591,000
	2019	521	18	9,199 TON	\$61.85	\$1,092.13	\$569,000
WHEAT	2020	2,258	4	9,618 TON	\$100.02	\$426.04	\$962,000
	2019	1,342	4	5,337 TON	\$121.61	\$483.58	\$649,000
	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
PASTURE	2020	240		ACRE		\$1,750.00	\$420,000
	2019	606		ACRE		\$1,640.00	\$994,000
RANGELAND GRAZING*	2020	1,348,920		ACRE		\$10.00	\$13,489,000
	2019	1,348,920		ACRE		\$3.50	\$4,721,000
MISCELLANEOUS**	2020	8,798	5 TON	45,954 TON	\$159.64	\$833.85	\$7,336,000
	2019	8,954	5 TON	41,210 TON	\$176.24	\$811.16	\$7,263,000
TOTAL FIELD CROPS	2020	1,378,859					\$43,828,000
	2019	1,371,057					\$26,864,000

*Miscellaneous 2020: Hay (Barley, Oats, Rye, Wheat); Greenchop (Corn, Sorghum, Bermuda Grass); Silage (Alfalfa, Oats, Rye, Sudan Grass), Cropland Forage

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

Notes of Interest: Increase in total values due to more participation in the data collection process by the growers, mainly Alfalfa growers.

Pasture Land decreased as one grower lost land to commercial development.

FRUITS & NUT CROPS

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
CITRUS							
LEMONS	2020	773	8.9	6,889 TON	\$678.07	\$6,039.55	\$4,671,000
	2019	769	7.3	5,628 TON	\$783.43	\$5,733.57	\$4,409,000
ORANGES, NAVEL	2020	798	8.6	6,829 TON	\$1,486.51	\$12,719.41	\$10,152,000
	2019	846	7.7	6,524 TON	\$421.52	\$3,250.95	\$2,750,000
ORANGES, VALENCIA	2020	431	11.1	4,799 TON	\$515.54	\$5,734.15	\$2,474,000
	2019	723	8.3	5,998 TON	\$262.92	\$2,180.46	\$1,577,000
GRAPEFRUIT	2020	178	13.8	2,453 TON	\$461.43	\$6,358.70	\$1,132,000
	2019	181	10.2	1,845 TON	\$428.80	\$4,382.19	\$791,000
TANGELOS	2020	5	22.2	110 TON	\$2,517.12	\$55,825.54	\$278,000
	2019	5	5.8	29 TON	\$1,724.14	\$10,019.44	\$50,000
OTHER CITRUS*	2020	16	11.0	174 TON	\$2,425.14	\$26,631.07	\$423,000
	2019	21	4.5	95 TON	\$1,547.37	\$7,000.00	\$147,000

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

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
APPLES	2020	255	1.7	433 TON	\$4,739.84	\$8,047.81	\$2,052,000
	2019	230	2.4	549 TON	\$4,434.40	\$10,588.06	\$2,435,000
AVOCADOS	2020	370	2.2	799 TON	\$2,616.60	\$5,650.48	\$2,091,000
	2019	397	3.5	1,397 TON	\$2,609.88	\$9,186.66	\$3,646,000
BLACKBERRIES	2020	1	3.4	4 TON	\$11,425.78	\$38,674.03	\$49,000
	2019	2	4.8	8 TON	\$11,180.12	\$54,216.87	\$90,000
BLUEBERRIES	2020	2	3.3	5 TON	\$11,605.83	\$37,763.88	\$61,000
	2019			MISCELLANEOUS IN 2019			
GRAPES, RED WINE	2020	152	1.0	150 TON	\$2,360.00	\$2,328.95	\$354,000
	2019	72	1.3	95 TON	\$1,619.69	\$2,138.89	\$154,000
GRAPES, ZINFANDEL	2020	220	0.4	77 TON	\$1,113.41	\$390.47	\$86,000
	2019	147	1.4	207 TON	\$1,053.14	\$1,482.99	\$218,000
JUJUBES	2020	82	2.1	176 TON	\$6,548.03	\$14,013.27	\$1,154,000
	2019	82	2.2	179 TON	\$6,284.92	\$13,785.08	\$1,125,000
PERSIMMONS	2020	8	2.7	22 TON	\$6,159.78	\$16,440.85	\$137,000
	2019	8	3.1	24 TON	\$6,016.60	\$18,493.48	\$145,000

FRUITS & NUT CROPS CONTINUED

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
PISTACHIOS	2020	338	0.1	49 TON	\$7,156.27	\$1,047.55	\$354,000
	2019	338	0.2	71 TON	\$5,323.94	\$1,118.34	\$378,000
POMEGRANATES	2020	4	3.3	12 TON	\$5,700.45	\$18,664.40	\$68,000
	2019	4	4.0	15 TON	\$4,882.02	\$19,529.66	\$72,000
STRAWBERRIES	2020	40	10.1	400 TON	\$6,993.55	\$70,591.68	\$2,798,000
	2019	45	7.9	357 TON	\$3,829.28	\$30,091.75	\$1,366,000
**MISCELLANEOUS	2020	46	7.7	358 TON	\$3,146.61	\$24,363.01	\$1,126,000
	2019	38	23.0	872 TON	\$859.62	\$19,681.00	\$750,000
TOTAL FRUIT & NUT CROPS	2020	3,719				\$29,460,000	\$20,103,000
	2019	3,907				\$20,103,000	\$22,757,000

****Miscellaneous 2020:** Almond, Apricots, Aprium, Asian Pear, Banana, Boysenberry, Cherimoya, Cherry, Dates, Fig, Grapes Wine, Guava, Kiwi, Loquat, Mango, Mulberry, Necta-Plum, Nectarine, Olive, Passion Fruit, Peaches, Pears, Pecan, Plum, Pluot, Raspberry, Sapote, Walnut.

****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, Pistachios, Plum, Pluot, Raspberries, Sapote, Walnut.

Notes of Interest: Increase in total value primarily due to increase in the price of Naval Oranges.

VEGETABLE CROPS

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
BEANS (INCL. GREEN BEANS)	2020	29	4.3	126 TON	\$2,269.72	\$9,733.57	\$285,000
	2019	31	4.7	146 TON	\$1,917.81	\$8,939.97	\$280,000
CARROTS	2020	3	31.8	87 TON	\$1,170.10	\$37,233.07	\$102,000
	2019	4	32.3	133 TON	\$829.00	\$26,763.99	\$110,000
CORN, SWEET	2020	73	8.3	607 TON	\$762.41	\$6,324.90	\$463,000
	2019	76	8.2	623 TON	\$634.19	\$5,188.49	\$395,000
CUCUMBER	2020	5	5.7	29 TON	\$9,293.84	\$52,587.36	\$271,000
	2019			MISCELLANEOUS IN 2019			
HERBS & SPICES	2020	142	2.8	396 TON	\$4,192.34	\$11,676.44	\$1,661,000
	2019	184	2.6	485 TON	\$5,321.65	\$14,064.63	\$2,581,000

2020 Herbs: Basil, Chamomile, Chervil, Chives, Cilantro, Cilantro Blossoms, Coriander, Dill, Epazote, Eucalyptus leaves, Fennel, Huauzontle, Lavender, Lemon Balm, Lemongrass, Marjoram, Mint, Nettle, Oregano, Papalo, Parsley, Pepper Spice, Peppermint, Pipicha, Rosemary, Sage, Savory, Sorrel, Spearmint, Tarragon, Thyme, Verbena.

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.

LETTUCE (LOOSE LEAF & ROMAINE)	2020	43	13.5	576 TON	\$648.09	\$8,742.10	\$373,000
	2019	53	13.9	739 TON	\$676.64	\$9,391.44	\$500,000
ONIONS , DRY	2020	34	18.0	614 TON	\$568.31	\$10,219.95	\$349,000
	2019	34	18.1	611 TON	\$541.73	\$9,816.13	\$331,000

ORIENTAL VEGETABLES

BOK CHOY	2020	246	24.4	5,990 TON	\$497.80	\$12,121.89	\$2,982,000
	2019	389	29.6	11,510 TON	\$416.09	\$12,311.05	\$4,789,000
GAI CHOY (MUSTARD CABBAGE)	2020	149	12.8	1,906 TON	\$83.42	\$1,070.71	\$159,000
	2019	357	12.4	4,436 TON	\$80.04	\$994.40	\$355,000
GAI LAN (CHINESE BROCCOLI)	2020	89	11.5	1,022 TON	\$260.27	\$3,005.65	\$266,000
	2019	107	12.4	1,324 TON	\$284.74	\$3,523.36	\$377,000
SHER LI HON (MUSTARD GREENS)	2020	28	30.0	840 TON	\$109.52	\$3,285.71	\$92,000
	2019	68	29.5	2,008 TON	\$107.08	\$3,161.76	\$215,000
YU CHOY	2020	33	6.3	208 TON	\$899.69	\$5,666.67	\$187,000
	2019	11	10.4	114 TON	\$805.00	\$8,363.64	\$92,000
MISCELLANEOUS ORIENTAL VEGETABLE	2020	148	10.3	1,529 TON	\$695.41	\$7,182.27	\$1,063,000
	2019	185	12.7	2,348 TON	\$526.48	\$6,681.08	\$1,236,000

2020 Misc. Oriental Vegetables: Chinese Broccoli, Choy Sum (Baby Bok Choy), Chrysanthemum Greens, Kabocha Squash, Lo Bok (Daikon Radish), Mizuna, Mizuna Tian Cui Wan Dou (Snow Peas), Mustard Green, Napa Cabbage, Pak Choy.

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), Tong ho (Shingiku), Yin Choy (Amaranthus).

VEGETABLE CROPS CONTINUED

	YEAR	ACRES HARVESTED	TON/ACRE	TOTAL YIELD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
PEPPERS, BELL	2020	10	16.0	156 TON	\$1,727.31	\$27,675.75	\$269,000
	2019	8	16.9	127 TON	\$1,427.67	\$24,074.07	\$182,000
PUMPKIN	2020	127	12.4	1,570 TON	\$431.27	\$5,335.47	\$677,000
	2019	124	11.6	1,438 TON	\$425.01	\$4,929.41	\$611,000
RADISH	2020	50	12.4	623 TON	\$651.81	\$8,059.09	\$406,000
	2019	30	9.3	283 TON	\$665.40	\$6,174.70	\$188,000
SQUASH	2020	61	3.2	196 TON	\$2,160.28	\$6,956.35	\$423,000
	2019	54	8.5	455 TON	\$1,022.47	\$8,654.38	\$465,000
TOMATOES	2020	16	10.8	171 TON	\$1,788.76	\$19,369.42	\$306,000
	2019	19	15.3	288 TON	\$975.36	\$14,962.73	\$281,000
WATERMELON	2020	56	21.1	1,189 TON	\$501.08	\$10,586.97	\$596,000
	2019	54	21.2	1,146 TON	\$471.96	\$10,024.09	\$541,000
MISCELLANEOUS VEGETABLES*	2020	104	115.5	12,069 TON	\$1,492.78	\$172,467.27	\$18,017,000
	2019	122	76.2	9,315 TON	\$1,842.34	\$140,418.55	\$17,161,000
TOTAL VEGETABLE CROPS	2020	1,446					\$28,947,000
	2019	1,910					\$30,690,000

*Miscellaneous Vegetables 2020: Artichoke, Arugula, Asparagus, Beets, Broccoli, Broccolini, Brussel Sprouts, Cabbage, Cactus, Cactus Pads, Cauliflower, Celery, Chard, Collard Greens, Daikon, Dandelion Green, Eggplant, Fava Beans, Garlic, Jicama, Kale, Kohlrabi, Leek, Melon (Ambrosia, Banana, Canary, Cantaloupe, Casaba, Crenshaw, French, Galia, Gaya, Honeydew, Lambkin, Ogen, Papaya, Persian, Prity), Microgreen Vegetables, Moringa, Mushrooms, Okra, Onions (Green), Parsnip, Peas, Pepper Chile, Potato, Purslane, Radicchio, Radish Baby Korean, Radish Leaf Korean, Rhubarb, Rutabaga, Shallots, Spinach, Sweet Potato, Swiss Chard, Tomatillo, Turnip, Vegetable Sprouts, Watercress, Zucchini, Zucchini Blossoms.

*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.

Notes of Interest: Vegetable crop value decreased approx. 1.74 million compare to 2019, because one major grower, who grew herbs, spices, lettuce and assorted oriental vegetables, moved growing grounds out of the county.

NURSERY PRODUCTS

	YEAR	GREEN-HOUSE SQ FT	FIELD ACRE	QUANTITY SOLD/UNIT	\$ PER UNIT	\$ PER ACRE	TOTAL \$ VALUE
BEDDING PLANTS	2020	3,065	17	170,050 FLATS	\$4.58	\$46,726.47	\$779,000
	2019	4,000	20	206,073 FLATS	\$5.86	\$61,362.48	\$1,207,000
CHRISTMAS TREES	2020		11	2,035 TREES	\$64.86	\$12,279.07	\$132,000
	2019		8	2,162 TREES	\$61.52	\$16,121.21	\$133,000
GROUND COVER	2020	152,460	46	768,660 FLATS	\$9.65	\$160,237.58	\$7,419,000
	2019	165,340	59	1,805,400 FLATS	\$3.64	\$111,931.91	\$6,576,000
INDOOR DECORATIVES (INCL. BONSAI & ORCHIDS)	2020	289,460		764,570 PLANTS	\$23.71	\$2,727,879.91	\$18,127,000
	2019	282,000		921,551 PLANTS	\$18.91	\$2,693,508.50	\$17,427,000
PALM TREES	2020		34	15,792 TREES	\$239.99	\$112,663.50	\$3,790,000
	2019		35	5,879 TREES	\$503.15	\$84,756.45	\$2,958,000
TREES & SHRUBS (INCL. ROSES)	2020	13,850	487	1,178,571 PLANTS	\$14.56	\$35,274.09	\$17,161,000
	2019	14,500	341	1,382,523 PLANTS	\$13.05	\$52,860.16	\$18,038,000
TURF	2020		562	23,670,504 SQ FT		\$22,123.12	\$12,427,000
	2019		522	22,726,123 SQ FT		\$20,750.59	\$10,826,000
MISCELLANEOUS*	2020		36	82,360 PLANTS	\$8.12	\$18,493.07	\$669,000
	2019		78	78,434 PLANTS	\$11.33	\$11,366.83	\$889,000
TOTAL NURSERY PRODUCTS	2019	458,835	1,192				\$60,504,000
	2018	465,840	1,063				\$58,054,000

*Miscellaneous 2020 : Cactus & Succulents, Cut Flowers, Other Non-Ornamentals, Vegetable transplants, Venus flytrap.

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

Notes of Interest: Reduced staffing in nurseries during pandemic.

Nurseries changed their growing pattern accordingly, producing less bedding plants .

APIARY

APIARY PRODUCTS	TOTAL HIVES	TOTAL VALUE
2020	28838	\$2,336,000
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	2020	5,698,135 CWT	\$19.02	\$108,379,000
	2019	5,903,220 CWT	\$17.86	\$105,432,000
MILK PRODUCTS (CHEESE, YOGURT, ETC)	2020	199,435 CWT	\$20.42	\$4,072,000
	2019	213,841 CWT	\$19.56	\$4,183,000
EGG, CHICKEN	2020	33,684,044 DOZEN	\$1.50	\$50,526,000
	2019	23,836,739 DOZEN	\$1.40	\$33,276,000

LIVESTOCK & ANIMAL PRODUCTS

	YEAR	# OF ANIMALS	LIVEWEIGHT/UNIT	\$ PER UNIT	TOTAL \$ VALUE
CATTLE & CALVES	2020	42,424	258,783 CWT	\$150.34	\$38,905,000
	2019	44,600	272,060 CWT	\$158.05	\$42,999,000
DAIRY CULL	2020	33,387	467,420 CWT	\$55.69	\$26,032,000
	2019	35,100	491,400 CWT	\$58.55	\$28,771,000
REPLACEMENT HEIFERS	2020	40,426		\$625.00	25,266,000
	2019	42,500		\$689.01	\$29,283,000
POULTRY					
STARTED PULLETS	2020	895,000		\$2.20	\$1,969,000
	2019	780,000		\$3.02	\$2,354,000
	YEAR	# OF ANIMALS	LIVEWEIGHT/UNIT	\$ PER UNIT	TOTAL \$ VALUE
MISCELLANEOUS*	2020				\$27,000
	2019				\$92,000
TOTAL LIVESTOCK & ANIMAL PRODUCTS	2020				\$255,176,000
	2019				\$246,824,000

*Miscellaneous Livestock 2020: Eggs (Ducks, Emu, Geese, Guinea fowl, Ostrich, Peacock, Quail, Turkey).

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

ESTIMATE NUMBERS OF DAIRIES	2020	2019
	39	41

Notes of Interest: Increase in value attributed to increase in Egg production, post recovery from Newcastle disease, a contagious viral disease of birds.

Miscellaneous livestock decreased in value because one speciality egg producer sold farm to commercial development.

EXOTIC PESTS INTERCEPTED

COMMON NAME	SCIENTIFIC NAME	RATING	ORIGIN	INTERCEPTIONS
BOXWOOD SCALE	PINNASPIS BUXI	A	EC	2
COCONUT SCALE	ASPIDIOTUS DESTRUCTOR	A	EC	1
LESSER SNOW SCALE	PINNASPIS STRACHANI	A	EC, HI	2
MAGNOLIA WHITE SCALE	PSEUDAULACASPIS COCKERELLI	A	FL, HI	2
MEALYBUG	NIPAEOCCUS SP.	Q	SC	1
PACIFIC MEALYBUG	PLANOCOCCUS MINOR	A	HI	1
RUFIOUS SCALE	SELENASPIDUS ARTICULATUS	A	EC	3
SCALE	FAMILY: DIASPIDIDAE	Q	EC, FL, HI, TX	22
SCALE	FAMILY: DIASPIDIDAE	A	SC	1
STELLATE SCALE	CEROPLASTES STELLIFER	A	HI	2
STRIPED MEALYBUG	FERRISIA VIRGATA	A	FL	1
TULIPTREE SCALE	TOUMEYELLA LIRIODENDRI	B	FL	1
URBAN SOFT SCALE	PULVINARIA URBICOLA	B	AF, AZ	3
WHITEFLY	ASIOTHRIXUS ANTIDESMAE	A	HI	1

“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 2	BRAZIL 8	BULGARIA 6	CANADA 150
CHINA 45	DENMARK 1	HONG KONG 1	JAPAN 40
REPUBLIC OF KOREA 100	MACAO 1	MEXICO 239	PANAMA 2
TAIWAN 102	UNITED ARAB EMIRATES 72	INDIA 1	UNITED STATES 492



AWARD FOR EXCELLENCE ROCHELLE KAGLE



Rochelle Kagle, Executive Secretary for the Department is a model employee, providing exceptional public service. She has demonstrated the Countywide Vision in action by working collaboratively with several other County Departments, including the Registrar of Voters, Museum, Regional Parks, Library, and Airports. During the Presidential Election, she assisted the Registrar of Voters working hard behind the scenes doing whatever was needed, from opening ballots to driving a delivery truck. In addition to her regular duties with the Department, she is also serving as the Executive Secretary for the Community Services Group, coordinating various meetings and offering support to the Deputy Executive Officer. Rochelle is consistently available to department employees assisting staff with leave and payroll issues as they arise. This was an exceptionally busy time during the peak of the pandemic. Rochelle demonstrates a commitment to excellence by doing an exceptional job in the performance of her duties every day!



DOG TEAM

The purpose of the Department's Agricultural Detector Dog is to enhance inspection and surveillance activities related to plant products entering the county via parcel delivery facilities and airfreight terminals. The Dog Team performed 132 parcel inspections at carriers located in San Bernardino County. The team found 53 Shipments with violations, 33 "A" or "Q" rated pests in packages, 31 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

Our Pest Detection Program is essential to the protection of California's diverse agricultural industry from exotic pests. When non-native pests are introduced to an area, the lack of natural enemies and control methods allows them to multiply and spread rapidly, putting the California Agriculture Industry at risk. Through early detection of hazardous pest populations, we can begin the eradication process quickly and minimize any damage to commercial and residential agriculture. Our staff monitors local insect populations year round throughout the county by way of insect traps. These traps are inspected at regular weekly intervals in order to quickly identify any suspicious pests. In 2020, our staff serviced and inspected 135,426 insect traps and ended the year with 5,974 traps in service.



PEST EXCLUSION

The Pest Exclusion program is the first line of defense for agriculture and the environment, against the invasion of exotic pests. This program provides protection to growers and producers by preventing unwanted pests, from entering and establishing within the county. Inspections are conducted at airport terminals, mail/package carrier facilities, nurseries, retailers, and homes, to identify and intercept any pests that can be introduced by the incoming plant material, from other states and countries. A total of 406 samples were submitted to the Plant Pest Diagnostics Center for identification, out of which 18 samples were “A” rated, 4 “B” rated, 22 “Q” rated, and 69 Notice of Rejections were issued. The program also involves inspection and issuance of certificates documenting compliance for entry requirements to plant material being shipped to other states and countries.

PESTICIDE USE ENFORCEMENT

As specified by the California Department of Pesticide Regulation, each county’s Pesticide Use Enforcement (PUE) Program consists of three core areas: Restricted Materials Permitting, Compliance Monitoring and Enforcement Response. For PUE Officers in 2020, with its COVID-19 safety measures, was particularly challenging because most of their inspections have historically been conducted in-person. Regarding the issuance of Restricted Materials Permits, the PUE Officers encouraged permittees to schedule appointments in advance in order to maintain acceptable office capacity and meet proper social distancing requirements. The PUE Officers also provided the option of issuing permits remotely by e-mail, telephone, or video conferencing. Due to the importance of issuing restricted materials permits, this service was provided continuously during 2020, even when the department was closed to the public. Regarding Compliance Monitoring, the PUE Officers place a high priority on employee safety inspections (Pest Control Headquarter Inspections) for agricultural and structural pest control businesses that have employees who handle pesticides. These inspections continued during COVID-19 pandemic and when possible, were performed remotely by video conferencing, or other available technologies, to ensure everyone’s safety. As part of the statewide 2020 California State Association of Counties (CSAC) Challenge Awards, the San Bernardino County PUE Program received a Merit Award for their effort in providing safe inspection alternatives to businesses during the pandemic.



CONSUMER PROTECTION WEIGHTS & MEASURES



The Consumer Protection Program's main goal is to safeguard businesses and consumers from financial loss. Commercial weighing or measuring devices are inspected to ensure that they are accurate, and the prices charged for goods are correct. A variety of devices are inspected such as gasoline dispensers, scales ranging in size from precision jewelry scales to railroad scales, and other devices commercial devices. The device field staff performed the initial inspection on 22,611 devices in 2020. This met our goal of at least 80% of devices inspected for the year. This goal was accomplished despite being shut down for 2 weeks in April and many staff taking leave due to Covid-19 related issues. In 2020, officers conducted the following number of inspections: 5,500 scale inspections, 1,643 measuring device inspections, 16,248 gasoline dispenser inspections, 7,486 utility sub meter inspections.



Quantity Control inspections are conducted to ensure that pre-packaged products are labeled properly and contain the correct quantity. In addition, this division also conducts price verification inspections. In 202, 74,481 packages were sampled, 2,273 scanner locations were visited, checking 33,092 items for pricing accuracy.

Certified Farmer's Markets provide a selling platform to Certified Producers and an opportunity to consumers, to buy directly from the producer. We issued 58 certified producers certificates and 20 certified farmer's markets in 2020. The certified farmers markets were deemed essential businesses and remained open for the majority of the time last year.



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