



**COUNTY  
of SAN LUIS  
OBISPO**

**2019 ANNUAL CROP REPORT**

**SAN LUIS OBISPO COUNTY  
DEPARTMENT OF AGRICULTURE | WEIGHTS AND MEASURES**

# 2019 Annual Crop Report

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## FINANCIAL REPORT FOR FISCAL YEAR 2018-2019

REVENUE		\$6,508,815
State Funds	\$2,550,748	39%
Federal Funds	\$979,391	15%
County Funds	\$2,329,046	36%
Collected Fees	\$649,630	10%

EXPENDITURES		\$6,508,815
Salaries & Benefits	\$5,257,605	81%
Services & Supplies	\$669,411	10%
Overhead	\$581,799	9%
Equipment	\$0	0%

### FUNDING DISTRIBUTION BY PROGRAM AREAS:

AGRICULTURAL RESOURCES		\$402,554
State Funds	\$70,483	18%
County Funds	\$253,795	63%
Collected Fees	\$78,276	19%

PEST MANAGEMENT		\$453,136
State Funds	\$296,553	65%
County Funds	\$156,583	35%
Collected Fees	\$0	0%

WEIGHTS AND MEASURES		\$877,432
State Funds	\$7,461	1%
County Funds	\$593,219	68%
Collected Fees	\$276,752	31%

PRODUCT QUALITY		\$310,203
State Funds	\$201,124	65%
County Funds	\$82,409	27%
Collected Fees	\$26,670	8%

PESTICIDE USE ENFORCEMENT		\$1,835,481
State Funds	\$947,909	52%
County Funds	\$860,306	47%
Collected Fees	\$27,266	1%

PEST PREVENTION		\$2,630,009
State Funds	\$1,027,217	39%
Federal Funds	\$979,391	37%
County Funds	\$382,735	15%
Collected Fees	\$240,666	9%

# County of San Luis Obispo

## DEPARTMENT OF AGRICULTURE/WEIGHTS AND MEASURES

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### Photography

Ag Department Staff and as  
designated

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Ryan Trapp

The Department would like to thank Dale Donaghe for the lasting contributions made during his 25 years of professional service with the County. We wish him well in his retirement.



County of San Luis Obispo

**DEPARTMENT OF AGRICULTURE/WEIGHTS AND MEASURES**

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**Karen Ross, Secretary**  
**California Department of Food and Agriculture**  
**And**  
**The Honorable Board of Supervisors**  
**San Luis Obispo County**

In accordance with Section 2272 and 2279 of the California Food and Agricultural Code, I am pleased to release the 2019 Annual Crop Report for San Luis Obispo County. It is important to note that the values represented in this report do not reflect net profits for producers, but rather, the gross value of agricultural commodities produced within the county.

Overall crop values decreased to \$979,009,000, representing a 5.5% reduction compared to our previous 2018 values. Agricultural values fluctuate from year to year based on growing conditions, market prices and demand for the various commodities grown within the County. However, the diversity of commodities grown within the county help to dampen major swings in overall value. Despite this decrease, 2019 marked the second highest year in terms of overall value for San Luis Obispo County's agricultural producers.

Accounting for 28% of the County's overall crop value, strawberries took the top rank in 2019 overtaking wine grapes in a competition that has been evident for the past few years. Strawberry acreage remained stable, but prices for both fresh and processed strawberries pushed the value to \$271,431,000.

The value of wine grapes fell by 8% with consistent bearing acreage. An oversupply of wine grapes contributed partially to the decline in value leaving some lesser quality fruit left unharvested. Wine grapes ended the year with an overall value of \$254,273,000.

The animal industry saw a decrease in overall value ending the year at \$41,073,000, a reduction of 15%. This can be attributed to lingering impacts of drought pushing ranchers to sell less cattle in an effort to rebuild herds. The number of head sold during 2019 was down 18% to 36,765.

The vegetable industry ended the year with a 5% decline in value and a 7% decrease in harvested acres. Collectively, all vegetable crops account for over 22% of the County's total crop value.

Field crops ended the year with a significant 29% increase over 2018, ending the year at \$24,180,000. Both prices and yields for the various field crops were generally higher for the year. Additionally, due to the passage of the 2018 Farm Bill and the ability for growers to produce industrial hemp, 2019 marks the first year where industrial hemp is included in the annual crop report.

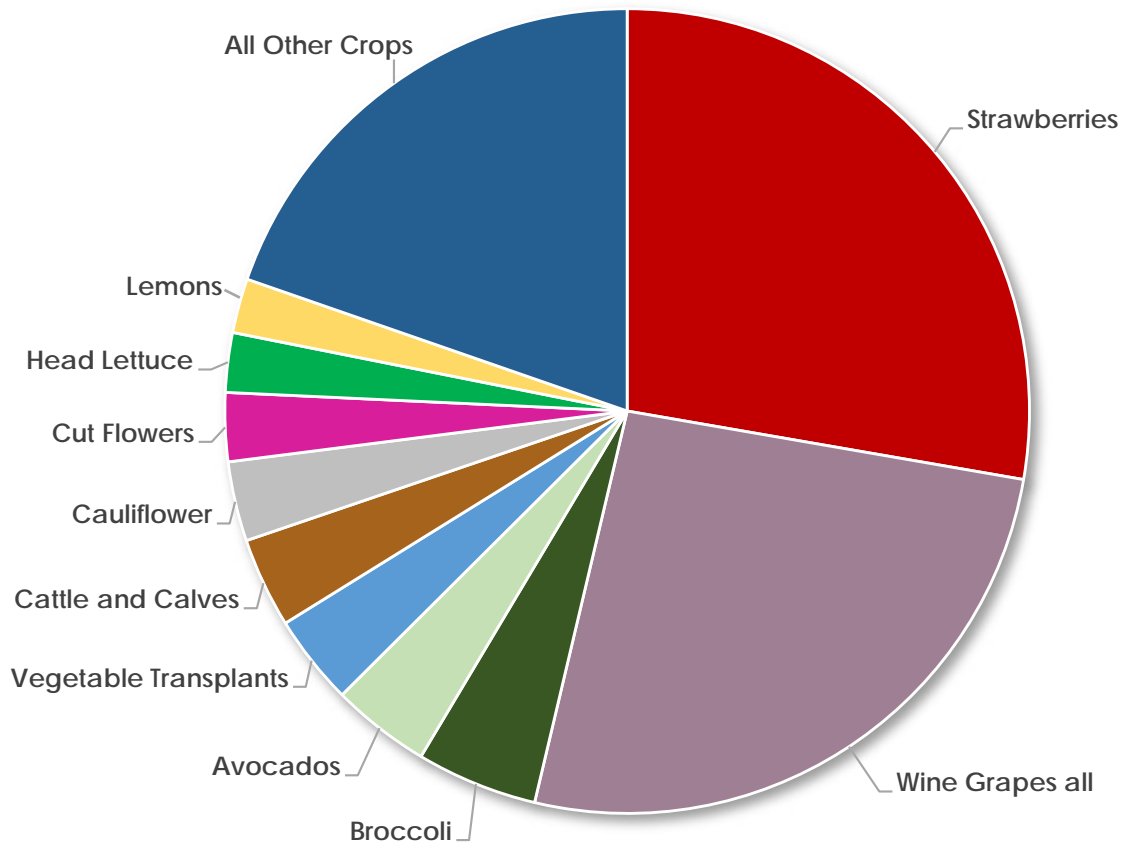
Nursery products have remained relatively stable over the past three years with growers seeking new markets, shifting production, and adapting to varying demand for cut flowers, ornamental plants, and transplants. The nursery industry ended the year with a value of \$80,556,000.

I would like to thank all of the agricultural producers and businesses who provided key information for this report. Their input, knowledge, expertise, and desire to contribute make this report possible. Also, I would like to express gratitude and appreciation to my staff for their efforts in compiling and analyzing this information and for their continued dedication to our mission of protecting agriculture.

Respectfully submitted,  
**Martin Settevendemie**  
Agricultural Commissioner/Sealer

# TOP 10 CROPS

CROP	VALUE	PERCENTAGE
Strawberries	\$271,431,000.00	27.73%
Wine Grapes (all)	\$254,273,000.00	25.97%
Broccoli	\$47,659,000.00	4.87%
Avocados	\$38,875,000.00	3.97%
Vegetable Transplants	\$35,467,000.00	3.62%
Cattle and Calves	\$35,446,000.00	3.62%
Cauliflower	\$31,339,000.00	3.20%
Cut Flowers	\$26,996,000.00	2.76%
Head Lettuce	\$23,422,000.00	2.39%
Lemons	\$21,376,000.00	2.18%
<b>TOP TEN TOTAL</b>	<b>\$786,284,000.00</b>	<b>80.31%</b>



# AGRICULTURAL SECTOR HIGHLIGHTS

The overall crop value recorded for 2019 is \$979,009,000, falling from the record high amount tallied in 2018. Despite the 5.5% decrease from the previous year, 2019 still marked the second highest annual crop value on record for San Luis Obispo County. Once again, strawberries and wine grapes led the way, as the county's two highest valued crops accounted for 54% of the overall agricultural production value.

The availability of labor and increased labor costs continued to present major challenges for growers in the area. Those challenges were especially notable in the fruit and nut, nursery products, and vegetable sectors, which typically require high levels of physical labor for needed cultivation, management, and harvest activities.

## ANIMAL INDUSTRY

The total value of the animal industry fell just over 15% in 2019, largely due to an 18% reduction in the number of cattle sold compared to 2018. The cattle industry is still rebounding from the effects of a prolonged drought earlier in the decade and many ranchers held on to more cattle in 2019 in an effort to rebuild diminished herds.

## FIELD CROPS

The value of field crops produced in the county increased substantially in 2019. The 29% percent increase in this sector stemmed from strong prices across the category, and above average yields for many barley and grain hay growers. The overall value of the field crops category was also influenced by the inclusion of industrial hemp. This is the first known record of hemp being included in the county's crop report figures, as the 2018 Federal Farm Bill cleared the way for the legal cultivation of hemp if certain restrictions could be met.

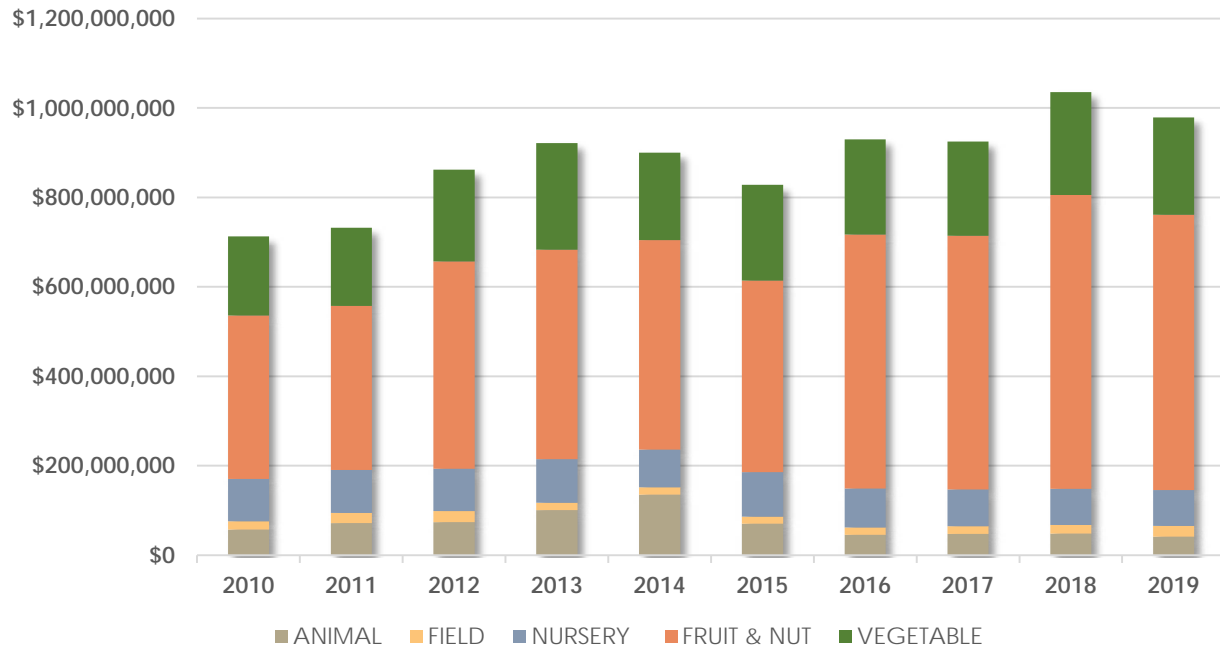
## NURSERY PRODUCTS

Production value at local nurseries has remained remarkably steady the past three years, as the county's flower, ornamental, and transplant growers continue to adapt to shifting global markets and ever-changing consumer demand. Overall value in this sector decreased less than 1% despite a 9% decrease in both greenhouse production area and dedicated field acreage.

YEAR	ANIMAL	FIELD	NURSERY	FRUIT & NUT	VEGETABLE	TOTAL
2010	\$57,139,000	\$18,545,000	\$94,708,000	\$365,750,000	\$176,666,000	\$712,808,000
2011	\$71,479,000	\$22,929,000	\$96,454,000	\$366,570,000	\$174,981,000	\$732,413,000
2012	\$73,857,000	\$24,612,000	\$95,155,000	\$463,296,000	\$204,900,000	\$861,820,000
2013	\$100,865,000	\$16,365,000	\$97,651,000	\$468,355,000	\$237,896,000	\$921,132,000
2014	\$135,017,000	\$16,812,000	\$84,394,000	\$468,518,000	\$195,329,000	\$900,070,000
2015	\$70,659,000	\$15,600,000	\$99,511,000	\$428,344,000	\$214,059,000	\$828,173,000
2016	\$45,350,000	\$16,784,000	\$86,933,000	\$568,129,000	\$212,734,000	\$929,930,000
2017	\$47,909,000	\$16,679,000	\$82,802,000	\$566,592,000	\$210,716,000	\$924,698,000
2018	\$48,596,000	\$18,777,000	\$81,190,000	\$656,609,000	\$230,327,000	\$1,035,499,000
<b>2019</b>	<b>\$41,073,000</b>	<b>\$24,180,000</b>	<b>\$80,566,000</b>	<b>\$615,218,000</b>	<b>\$217,972,000</b>	<b>\$979,009,000</b>

# AGRICULTURAL SECTOR HIGHLIGHTS

## 10 YEAR GROUP COMPARISON



### FRUIT & NUT CROPS

Strawberries regained the number one slot from wine grapes in 2019 totaling \$271,431,000 based on steady numbers in the year-to-year acreage planted and strong prices in both the fresh and processed markets.

In comparison, wine grape valuation fell nearly 8% despite a small increase in bearing acres and favorable weather conditions. The overall decrease in wine grape value can be at least partially attributed to an oversupply of wine grapes across the state, as California has reached one of the highest ever levels of planted wine grape acreage. This oversupply has led to some growers, such as those operating without contracts or those with blocks of lesser quality fruit, to forego harvest. This may correct itself in the coming years as overall global demand for wine remains strong, and many growers across the state are retiring acreage of their low yielding or lower value varieties.

Avocado acreage remained steady and pricing increased; however, overall avocado valuation in the county fell significantly in 2019 due to the pattern of alternate bearing years that remains clearly evident over time. Lemon production increased substantially from the previous year, but overall value was down significantly due to a steep decline in prices.

### VEGETABLE CROPS

Overall vegetable crop values decreased slightly in 2019 with a 5% drop in value that corresponds with a similar 7% decrease in harvested acreage. Broccoli, cauliflower, and head lettuce remain the county's three most valuable vegetable crops, accounting for just under 50% of the total value of the county's vegetable crop sector. Celery saw the largest increase in year-over-year value for vegetable crops based on a significant increase in pricing.

# ANIMAL INDUSTRY

COMMODITY	YEAR	# OF HEAD	TOTAL PRODUCTION	UNIT	VALUE PER CWT	TOTAL GROSS VALUE
CATTLE & CALVES	2019	36,765	262,560	CWT	\$135	\$35,446,000
	2018	44,900	334,056	CWT	\$131	\$43,761,000
*MISCELLANEOUS	2019					\$5,627,000
	2018					\$4,835,000
TOTAL	2019					\$41,073,000
	2018					\$48,596,000

\* Aquaculture, Eggs, Goats, Lambs, Sheep, Bees, Bees Wax, Honey, Milk, Pollination

# FIELD CROPS

CROP	YEAR	PLANTED ACRES	HARV. ACRES	YIELD / ACRE (TONS)	TOTAL PRODUCTION	UNIT	VALUE PER UNIT	TOTAL GROSS VALUE
ALFALFA HAY	2019	1,494	1,478	5.61	8,292	TON	\$251.00	\$2,081,000
	2018	1,562	1,562	5.95	9,294	TON	\$252.00	\$2,342,000
BARLEY	2019	7,553	7,553	1.34	10,121	TON	\$195.00	\$1,974,000
	2018	10,132	10,111	0.79	7,988	TON	\$181.00	\$1,446,000
++GRAIN HAY	2019	9,986	9,646	2.51	24,211	TON	\$206.00	\$4,988,000
	2018	9,955	9,672	1.77	17,119	TON	\$203.00	\$3,475,000
RANGELAND, GRAZED	2019		1,012,000			ACRE	\$8.00	\$8,096,000
	2018		1,012,000			ACRE	\$8.00	\$8,096,000
*MISCELLANEOUS	2019	2,999	6,814					\$7,041,000
	2018	2,590	9,708					\$3,418,000
TOTAL	2019	22,032	1,037,491					\$24,180,000
	2018	24,239	1,043,053					\$18,777,000

\* Irrigated Pasture, Oats, Safflower, Sudan Hay, Wheat, Seed, Grain Stubble (Grazed), Industrial Hemp

++ Includes winter forage



# VEGETABLE CROPS

CROP	YEAR	HARV. ACRES	YIELD/ ACRES (TONS)	TOTAL PRODUCTION	VALUE PER TON	TOTAL GROSS VALUE
BROCCOLI	2019	6,023	6.572	39,583	1,204.01	\$47,659,000
	2018	6,894	5.828	40,178	1,203.34	\$48,348,000
CABBAGE	2019	1,087	19.253	20,928	450.42	\$9,426,000
	2018	**	**	**	**	**
CAULIFLOWER	2019	3,503	11.387	39,889	785.67	\$31,339,000
	2018	3,269	14.736	48,172	625.31	\$30,122,000
CELERY	2019	736	26.544	19,536	694.16	\$13,561,000
	2018	748	29.396	21,988	430.16	\$9,458,000
KALE	2019	141	13.670	1,927	1,172.88	\$2,261,000
	2018	128	18.307	2,343	1,082.16	\$2,536,000
LETTUCE, HEAD	2019	3,059	14.305	43,759	535.24	\$23,422,000
	2018	3,215	18.546	59,625	431.59	\$25,734,000
LETTUCE, LEAF	2019	847	11.965	10,134	693.03	\$7,023,000
	2018	**	**	**	**	**
*MISCELLANEOUS	2019	8,837				\$83,281,000
	2018	11,726				\$114,129,000
TOTAL	2019	24,233				\$217,972,000
	2018	25,980				\$230,327,000

\* Anise, Artichokes, Arugula, Basil, Beans, Beets, Bell Peppers, Bok Choy, Brussel Sprouts, Carrots, Chard, Chili Peppers, Cilantro, Collards, Cucumbers, Daikon, Dandelion, Dill, Endive, Escarole, Fennel, Garlic, Green Onions, Herbs, Leeks, Melons, Mizuna, Mushrooms, Mustard Greens, Napa Cabbage, Onions, Parsley, Peas, Potatoes, Pumpkins, Radishes, Spinach, Squash, Sweet Corn, Tomato, Tomatillo

\*\*Not Available



# FRUIT AND NUT CROPS

CROP	YEAR	PLANTED ACRES	BEARING ACRES	YIELD / ACRE (TONS)	TOTAL PROD.	VALUE PER TON	TOTAL GROSS VALUE
AVOCADO	2019	4,437	4,215	2.884	12,156	\$3,198.00	\$38,875,000
	2018	4,272	4,157	4.608	19,155	\$2,409.00	\$46,145,000
GRAPE, WINE (ALL)	2019	48,445	44,304		149,682		\$254,273,000
	2018	48,456	42,855		177,002		\$276,002,000
LEMONS	2019	1,990	1,751	16.815	29,443	\$726.00	\$21,376,000
	2018	1,910	1,697	13.790	23,402	\$1,049.00	\$24,548,000
STRAWBERRIES	2019		3,981				\$271,431,000
	2018		4,165				\$268,356,000
Fresh	2019			35.874	142,814	\$1,677.00	\$239,500,000
	2018			35.952	149,740	\$1,525.00	\$228,354,000
Processed	2019			10.089	40,164	\$795.00	\$31,931,000
	2018			12.522	52,154	\$767.00	\$40,002,000
ENGLISH WALNUTS	2019	1,531	1,470	0.185	272	\$2,446.00	\$665,000
	2018	1,646	1,484	0.248	368	\$3,217.00	\$1,184,000
*MISCELLANEOUS	2019	2,788	2,534				\$28,598,000
	2018	3,059	2,781				\$40,374,000
TOTAL	2019	59,191	58,255				\$615,218,000
	2018	59,343	57,139				\$656,609,000

\* Apples, Apricots, Asian Pears, Blueberries, Blackberries, Feijoas, Gooseberries, Grapefruit, Kiwis, Mandarin Oranges, Navel Oranges, Olives, Passion Fruit, Peaches, Persimmons, Pistachios, Pomegranates, Raspberries, Specialty Citrus, Table Grapes, Tangerines, Valencia Oranges, White Sapote



# WINE GRAPE VARIETALS

CROP	YEAR	BEARING ACRES	YIELD/ ACRE (TONS)	TOTAL PROD.	VALUE PER TON	TOTAL GROSS VALUE
CHARDONNAY	2019	3,239	4.047	13,108	\$1,441.00	\$18,889,000
	2018	3,326	4.604	15,313	\$1,493.00	\$22,862,000
SAUVIGNON BLANC	2019	786	9.784	7,690	\$1,427.00	\$10,974,000
	2018	634	11.685	7,408	\$1,457.00	\$10,793,000
WHITE WINE (OTHER)	2019	1,908	2.944	5,617	\$1,752.00	\$9,841,000
	2018	1,872	3.357	6,284	\$1,500.00	\$9,426,000
CAB SAUVIGNON	2019	19,551	3.758	73,473	\$1,643.00	\$120,716,000
	2018	18,394	4.607	84,741	\$1,530.00	\$129,654,000
MERLOT	2019	4,246	2.700	11,464	\$1,428.00	\$16,371,000
	2018	4,297	3.839	16,496	\$1,077.00	\$17,766,000
PINOT NOIR	2019	2,235	2.751	6,148	\$2,767.00	\$17,013,000
	2018	2,469	2.725	6,728	\$2,863.00	\$19,262,000
SYRAH	2019	3,052	2.654	8,100	\$2,091.00	\$16,937,000
	2018	3,113	3.493	10,874	\$1,641.00	\$17,844,000
ZINFANDEL	2019	2,477	2.002	4,959	\$1,737.00	\$8,614,000
	2018	2,556	2.669	6,822	\$1,515.00	\$10,335,000
RED WINE (OTHER)	2019	6,810	2.808	19,122	\$1,826.00	\$34,918,000
	2018	6,194	3.606	22,336	\$1,704.00	\$38,060,000

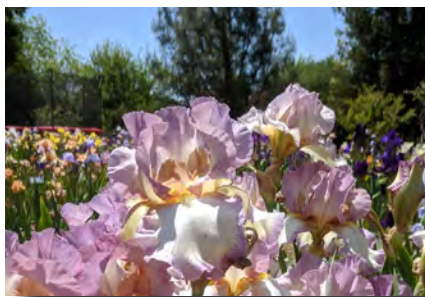


# NURSERY PRODUCTS

CROP	YEAR	FIELD PRODUCTION (ACRES)	GREENHOUSE PRODUCTION (SQ. FT.)	TOTAL GROSS VALUE
++CUT FLOWERS & GREENS	2019	48	6,139,724	\$26,996,000
	2018	64	6,311,909	\$26,538,000
OUTDOOR ORNAMENTALS	2019	51	54,880	\$6,751,000
	2018	55	56,980	\$7,999,000
VEGETABLE & ORNAMENTAL TRANSPLANTS	2019	38	1,477,343	\$35,467,000
	2018	34	1,747,330	\$35,245,000
*MISCELLANEOUS	2019	35	662,911	\$11,352,000
	2018	36	1,050,945	\$11,408,000
TOTAL	2019	172	8,334,858	\$80,566,000
	2018	189	9,167,164	\$81,190,000

++ Includes cut flowers grown in greenhouse and field

\* Aquatic, Bedding plants, Bulbs, Cacti, Christmas Trees, Fruit-Nut trees, Ground Cover, Herbs, Indoor Decorative, Propagative plants, Scion wood, Flower seed, Sod, Specialty plants, Succulents



# COMMERCIAL FISHING

In 2019, commercial fishing operations working from Morro Bay and Port San Luis landed 99 different species of fish, valued at approximately \$6 million.

The most recent data is provided by the California Department of Fish and Wildlife Report. (Commercial fishing values are not included in the overall agricultural value.)



2019 Commercial Fishing Landings		
Species	Pounds	Value
Salmon, Chinook	339,187	\$2,427,222
Sablefish	317,465	\$666,775
Crab, Dungeness	122,878	\$572,071
Hagfish, Pacific	390,504	\$429,484
Rockfish, gopher	40,373	\$292,143
Rockfish, brown	24,514	\$166,622
Cabazon	26,248	\$161,555
Prawn, spot	9,895	\$157,094
Rockfish, black and yellow	20,387	\$152,470
Thorneyhead, shortspine	19,025	\$150,361
Other species*	384,641	\$914,726
<b>Totals</b>	<b>1,695,117</b>	<b>\$6,090,523</b>

\*Other species includes 89 species.

# ORGANIC CROPS

San Luis Obispo County ranked 11th out of 58 California counties for the number of organic registrants in 2019.

One hundred and eight growers registered in San Luis Obispo County as their primary county for organic crop and rangeland production. In addition, twelve registered producers based in other counties registered production sites located within the county.

Rank	Crop	Acreage
1	Rangeland	62,030
2	Grain	3,589
3	Carrots	2,376
4	Wine grapes	1,711
5	Walnuts	1,376

Acres Registered as Organic	
Year	Acres
2019	78,220
2018	73,894
2017	54,936*
2016	54,448
2015	50,899

Organic acreage registered in the county increased by over 4,000 acres from the previous year, primarily due to significant amounts of walnuts and grain acreage being converted from conventional to organic.

\*2017 data is an approximation; commodity data reporting was restructured as a result of regulation changes

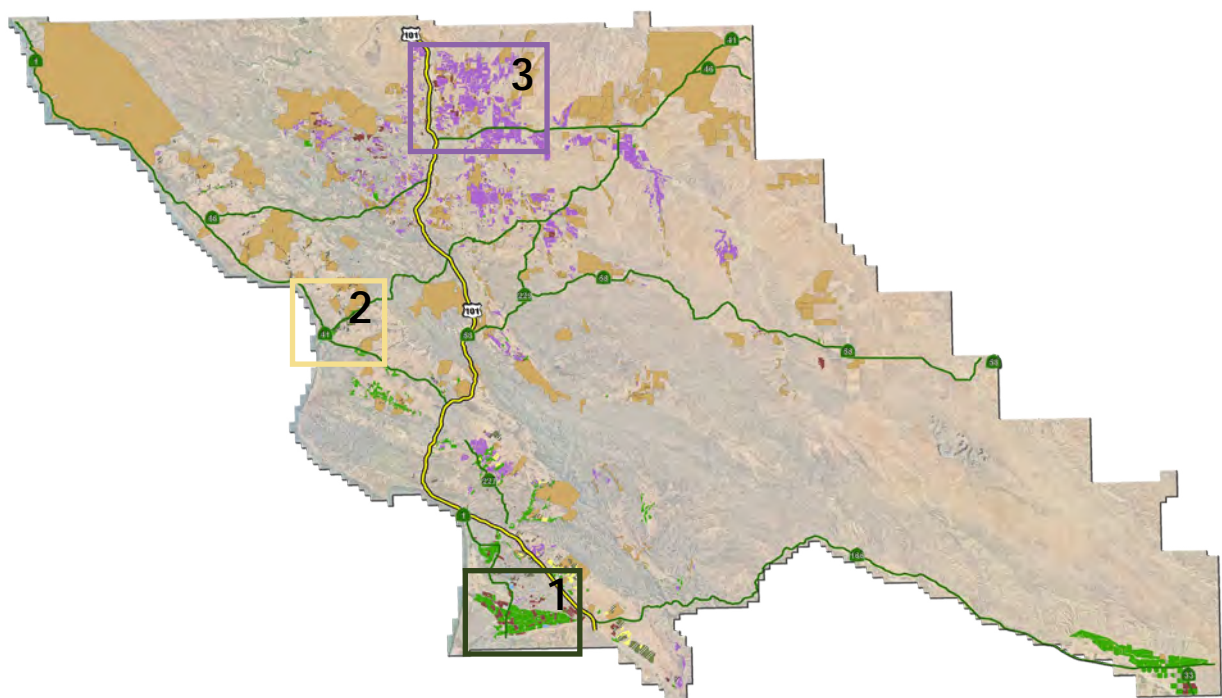
# CROP DISTRIBUTION IN

San Luis Obispo County agriculture produces an abundance of fresh fruits, healthy produce, and a wide variety of other agricultural crops and livestock. This abundance is a testament to the knowledge, skill, and hard work that local farmers and agricultural workers dedicate to this challenging profession.

Along with the incredible abundance of agricultural production in the county, comes a tremendous amount of crop diversity, with area growers producing nearly 120 different types of crops. Whereas some states across the country, or other counties within California, may be famous for producing a particular crop, San Luis Obispo County's claim to agricultural fame can really be found in its diversity. That diversity is made possible due to the wide range of topography, soil types, and microclimates that are found within the county, and those key agronomic factors blend together in an endless number of different combinations to provide ideal growing conditions for nearly any crop imaginable.

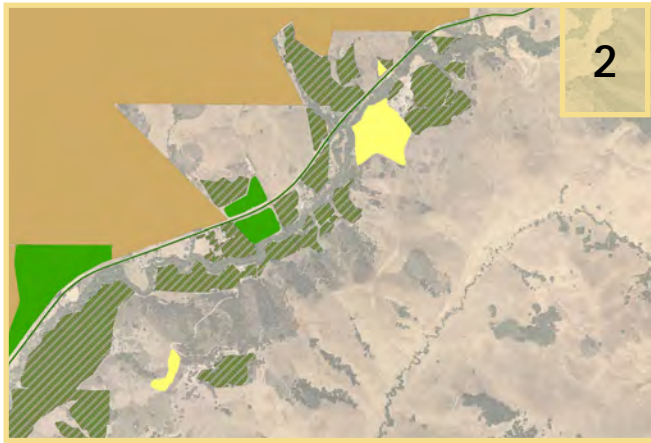
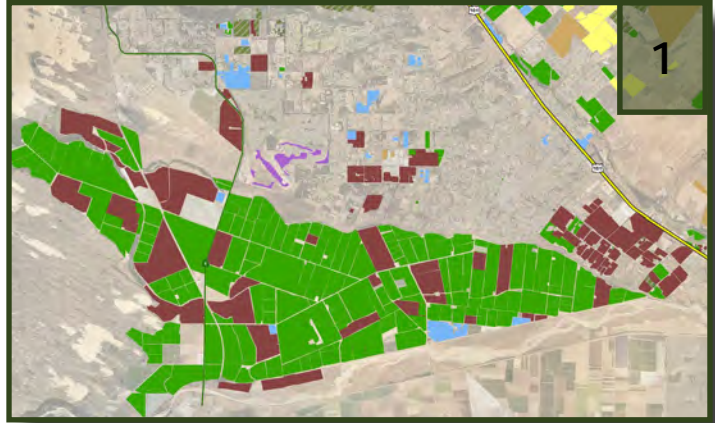
From temperate coastal valleys and breezy coastal canyons to the oak studded rolling hills and arid grasslands in the east, the great diversity of agriculture in San Luis Obispo County may best be understood from a review of the county's geographical crop distribution. The maps included here provide an illustration of the crop diversity found in the county and how that diversity varies across the different regions and growing areas within the county.

One important local agricultural commodity that is not depicted in these distribution maps is the county's livestock industry. Cattle graze on the rolling hills and grasslands throughout the county, from the coastal canyons of Cayucos and Morro Bay to the wide-open spaces east of Cholame and Creston, and nearly everywhere in between.



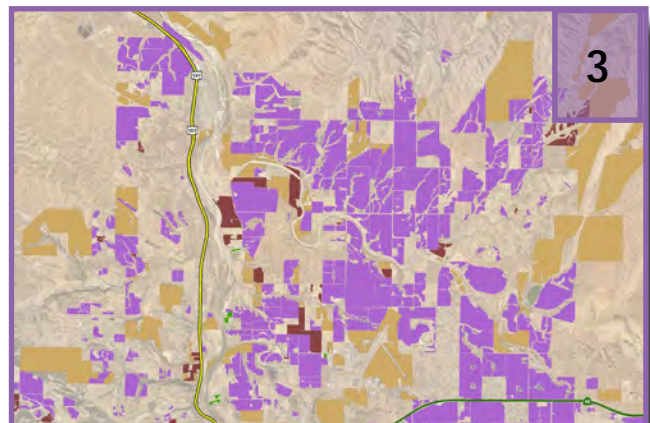
# SAN LUIS OBISPO COUNTY

Vegetable production is concentrated in the cooler, coastal sections of the county. In the rich alluvial soils of the Los Osos Valley and the well-drained, loamy soils of the Arroyo Grande and Oso Flaco valleys, row crops of broccoli, celery, lettuce, and a host of other fresh vegetables grow and flourish. The county's burgeoning fields of strawberries, which has been the top valued crop in three of the past six years, also thrive in these same coastal regions, with fields often rotating over the years between vegetables and strawberries.



In the nearby coastal canyons, citrus and avocado orchards dominate the agricultural landscape, producing two highly valued commodities cherished by consumers near and far. Take a closer look at the south county map (inset Map 1) and you'll also notice the locations of the highly valued nursery industry located throughout the south county mesa. Although the overall nursery acreage is relatively low, this agricultural sector packs a lot of punch into their limited growing area, producing over 80 million dollars annually in cut flowers, outdoor ornamentals, vegetable transplants, and other assorted ornamental plants.

While some of the crop sectors are more limited to those coastal areas, field crops and wine grapes can be found growing across the county. The wine grape acreage is greatest in the northern portions of the county surrounding the City of Paso Robles, but there are also major growing areas making world class wines in the Edna Valley and Arroyo Grande Valleys. Field crops, including barley, alfalfa, and grain hay, are not the dominant ag sector in the county that they once were, as much of that acreage has been converted to wine grapes in past decades, but there are still thousands of acres planted each year that can be found in nearly every region of the county.



Agriculture is a constantly shifting business, as growers continually adjust to changing demands and the desires of consumers. It is difficult to predict how locally grown crops may change over the coming years, but if there's one thing that can be counted on – it's that the farmers and ranchers of San Luis Obispo County will continue to produce a diversity of highly-valued crops and livestock, feeding people throughout the region, around the nation, and across the globe.

# SUSTAINABLE AG

## PEST PREVENTION

The California Food & Agricultural Code mandates pest prevention programs to prevent the introduction and spread of pests. Pest prevention involves various activities and programs, including **Pest Exclusion, Pest Detection, Pest Eradication, Pest Management, and Biological Control.**

## PEST EXCLUSION

The mission of the Pest Exclusion Program is to keep exotic agricultural and environmental pests out of San Luis Obispo County and to prevent or limit the spread of newly discovered pests. Our inspectors routinely examine incoming commercial and private shipments of plant material, coming from all over the globe, at parcel delivery facilities, nurseries, farms, and landscape businesses.

Inspectors ensure that incoming shipments meet quarantine requirements, and that the received plant material is found free from unwanted pests and diseases.

Type	Inspected
Parcels	5,891
Air Freight	1,002
Truck	194
Gypsy Moth	4
<b>TOTAL</b>	<b>7,111</b>

Type of Pests Intercepted	Number of Rated, Actionable Pests Found
Scale Insects	48
Mealybugs	15
Acari (Mites)	9
Lepidoptera	6
Thrips	5
Ants	3
Fungi	3
Leafhoppers	2
Bacteria	2
Snails	2
Weeds	2
Aphids	1
Beetles	1
Whiteflies	1
Eggs, Insect (undetermined)	7
<b>TOTAL</b>	<b>107</b>

## PIERCE'S DISEASE CONTROL PROGRAM

Department technician and inspection staff work to protect the agriculture industry through daily inspection activities to ensure incoming nursery stock is free from the Glassy-winged Sharpshooter (GWSS), a vector for Pierce's Disease which can be detrimental to local agriculture.

Inspections are conducted on shipments received from infested areas arriving at retail, landscaping, and residential sites. Inspection staff completed a total of 2,026 inspections at 682 locations throughout 2019. A total of ten noncompliances and two notices of rejection were issued for incoming GWSS shipments not meeting necessary requirements. There were no GWSS interceptions reported, and the county remains GWSS free.

## PHYTOSANITARY CERTIFICATION PROGRAM

This program ensures that plants and other agricultural commodities exported out of state and to foreign countries are free from injurious pests. In 2019, staff inspected, certified, and issued 3,289 certificates destined for 54 different countries. The fifteen countries that local growers exported products to most frequently are listed in the table below.

Country	Certificates	Country	Certificates	Country	Certificates
Canada	1,611	Belgium	54	South Africa	19
Taiwan	569	Lebanon	32	Saudi Arabia	19
Japan	427	French Polynesia	29	Peru	18
Mexico	173	Egypt	23	Colombia	15
Netherlands	69	Chile	21	United Kingdom	13



# SUSTAINABLE AG

## PEST DETECTION PROGRAM

Pest Detection is the systematic search for exotic pests potentially arriving from an outside area and for pests not known to occur in California. The detection of these unwanted insects at their lowest population level is essential to the success of any subsequent eradication efforts. Visual

Target Pest	Insect Hosts	Traps Placed	Trap Servings
Mediterranean Fruit Fly	Fruit Trees	182	3,186
Melon Fruit Fly	Vegetable Gardens	96	1,715
Mexican Fruit Fly	Fruit Trees	160	5,347
Oriental Fruit Fly	Fruit Trees	182	3,203
Misc. Fruit Fly	Fruits and Vegetables	111	787
Gypsy Moth	Shade Trees	138	874
Japanese Beetle	Turf, Roses	128	836
Trogoderma Beetle	Stored Grains	12	12
Light Brown Apple Moth	Ornamental/Commercial Crops	203	2,445
European Grapevine Moth	Grapes	1,615	14,814
Asian Citrus Psyllid	Citrus	2,043	26,160
Glassy Winged Sharpshooters	Ornamental/Commercial Crops	337	4,674
European Corn Borer	Corn, Various Crops	16	178
European Pine Shoot Moth	Pines	2	7
Invasive Shothole Borer	Various Trees, Avocados	8	151
Brown Marmorated Stink Bug	Fruits and Vegetables	7	130
<b>TOTAL</b>		<b>5,240</b>	<b>64,519</b>

inspections and insect traps that target specific exotic insects of high agricultural and economic importance are utilized to detect pests as early as possible.

In 2019, Pest Detection Trappers deployed 3,357 specialized insect traps at 7,303 different residences throughout the county, and these residential traps were checked 46,322 times. Thirty-four Light Brown Apple Moths (LBAM) and one Asian Citrus Psyllid (ACP) were

detected, and pest eradication efforts were initiated in response to the ACP detection. Commercial traps were placed in plant nurseries and croplands throughout the county for the detection of GWSS, LBAM, European Grapevine Moth (EGVM) and European Pine Shoot Moth. These 1,883 additional traps were checked 18,197 times throughout the trapping season.

## NOXIOUS/INVASIVE WEED CONTROL

The Invasive Weed Control program protects agriculture, sensitive habitats, and local ecosystems by controlling noxious and invasive weeds. Control work is prioritized on those weed populations that cause the most risk of spread and are viable candidates for long-term control success.

Roadside treatment programs performed along county roads and rights-of-way enhance safety by improving visibility and clearance, reducing fire risk, and increasing access to pull-out areas. Treating roadside weeds also reduces potential spread of invasive weeds to new areas by eliminating seeds that can be picked up on tires and carried to new places.

Type	Size
Gross Acres Surveyed:	1,309.3
Gross Acres Treated:	292.59
Net Acres Treated:	97.45
Properties Surveyed:	120
Properties Treated:	109

## BIOLOGICAL CONTROL

The Biological Control Program uses natural enemies to suppress pest populations to economically and environmentally acceptable levels. Biocontrol agents can become self-perpetuating populations once established, helping reduce the need for pesticide use over time. The department released 38,400 live *Tamarixia radiata* wasps in 2019 in order to help suppress the Asian Citrus Psyllid. These tiny, stingless predatory wasps were released in locations across the central and southern portions of the county where ACP had been previously found by the Pest Detection Program. Biological Control Agents are not harmful to humans or pets.

# WEIGHTS AND MEASURES

The Department of Agriculture/Weights and Measures employs four weights and measures inspectors to promote fair and equitable business practices while providing protection to consumers and businesses in transactions involving weights, measures, or count. The program serves the community by safeguarding measurement accuracy and assuring confidence and integrity in the marketplace through inspections on commercial weighing and measuring devices, packaging inspections, price accuracy at point of sales, weighmaster audit inspections, and petroleum signs and fuel quality inspections. In 2019, officials completed a total of 15,125 inspections in all weights and measures programs.

Measuring Device Inspections		Weighing Device Inspections		Petroleum Signs and Labeling Inspections		
Device Type	Inspections Completed	Device Type	Inspections Completed	Number of Inspections Completed	88	
Retail Motor Fuel Dispensers	2,798	Retail Computing Scales	573	<b>Quality Control Inspections</b>		
Propane Meters	36	Counter Scales	212			
Taximeters	4	Hanging Scales	68	<b>Price Verification Inspections</b>		
Vehicle Tank/ Wholesale Meters	48	Crane Scales	5	Retail Locations Inspected	Packages Inspected for Price Accuracy	Overall Compliance for All Locations
Water Vending Machines	129	Hopper Scales	22	435	7,673	56.7%
Electric Submeters	805	Livestock Scales	73	<b>Test Purchase and Test Sale Inspections</b>		
Gas Vapor Submeters	726	Animal Scales (Single Head)	4	Retail Locations Inspected	Packages Inspected for Price Accuracy	Overall Compliance for All Locations
Water Submeters	856	Platform Scales	348	23	93	38.7%
Wire/Rope/Cordage Meters	38	Vehicle Scales	60	<b>Regulatory Activity for 15,125 Inspections</b>		
Misc. Measuring Devices	8	Monorail/Meatbeam Scales	5	<b>Consumer Complaints</b>		
Compressed Natural Gas (Motor Fuel)	3	Class II Low Capacity Scales	13	Price Accuracy Complaints	Complaints Responded to in 24 Hours	Department Response Time by Percentage
<b>Total Measuring Devices Inspected</b>	<b>5,451</b>	<b>Total Weighing Devices Inspected</b>	<b>1,403</b>	59	58	98.3%
<b>Overall Commercial Device Compliance Rate: 90.2%</b>				<b>Enforcement Actions Taken</b>		
				Civil Administrative Actions Taken	Violations Issued	
				75	520	



# CERTIFIED FARMERS' MARKETS

These markets provide year-round access to fresh fruit, vegetables, nuts, meats, cheeses and flowers. The Department of Agriculture/Weights and Measures verifies that fresh products sold in the certified markets are indeed produced by the grower. In addition, farmers' markets offer a venue for consumers to interact personally with many of the county's certified producers.

Market Day	Market	Time of Operation	Market Location
Monday	Baywood/Los Osos	14:00 - 16:30	Santa Maria St. between 2nd St. & 3rd St.
Tuesday	Paso Robles	09:00 - 11:30	11th St. & Spring St.
	San Luis Obispo	15:00 - 18:00	224 Tank Farm Rd (Farm Supply Parking Lot)
Wednesday	Arroyo Grande	08:30 - 11:00	1464 East Grand Ave (Smart and Final Lot)
	Atascadero	15:00 - 18:00	Atascadero Sunken Gardens - East Mall Ave
Thursday	Morro Bay	14:30 - 17:00	2650 Main St. (Spencer's Parking Lot)
	San Luis Obispo	18:00 - 21:00	Higuera St. between Chorro St. & Osos St. Due to COVID-19, this market is temporarily closed.
Friday	Avila Beach	16:00 - 20:00	Avila Promenade - Front St. Normally open March to September. Due to COVID-19, this market is temporarily closed.
	Cambria	14:30 - 17:30	1000 Main St.
	Cayucos	10:00 - 12:30	Ocean Ave. & D St. Market open from June through August.
Saturday	Arroyo Grande	12:00 - 14:30	214 E. Branch St. between Short St. & Mason
	Morro Bay	14:30 - 17:30	Main St. & Morro Bay Blvd.
	Paso Robles	09:00 - 13:00	11th St. & Spring St.
	San Luis Obispo	08:00 - 10:45	325 Madonna Rd. (World Market parking lot)
	Templeton	09:00 - 12:30	City Park - 6th St.



**VISIT US ONLINE AT:** [www.slocounty.ca.gov/agcomm](http://www.slocounty.ca.gov/agcomm)

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