



COUNTY OF SAN DIEGO CROP
STATISTICS & ANNUAL REPORT

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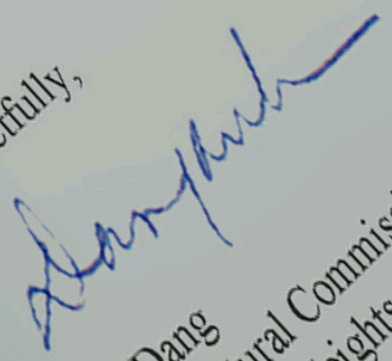
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Karen Ross, Secretary,
California Department of Food and Agriculture
And
The Honorable Board of Supervisors of the County of San Diego
Supervisor Ron Roberts, Chair, District 4
Supervisor Dianne Jacob, Vice Chair, District 2
Supervisor Greg Cox, District 1
Supervisor Dave Roberts, District 3
Supervisor Bill Horn, District 5

I respectfully submit our 2015 report of acreage, yield and value of agricultural production for San Diego County. In 2015, the value of agriculture in San Diego County totaled \$1,701,776,951. This equates to a 6.4% decrease from 2014's total value of \$1,817,465,883. The overall acreage devoted to commercial agriculture went from 268,592 acres in 2014 to 251,147 acres in 2015 for a 6.5% decrease overall.

The 2015 Crop Statistics and Annual Report details crop information and highlights the many diverse programs within the Department of Agriculture, Weights and Measures.

Special thanks go to the many producers, industry groups, and agencies who support agriculture in the County and provided vital information for this report. I'd also like to extend much appreciation to my outstanding staff for continually providing our customers with superior service and promoting the County's focus on healthy families, safe communities, and sustainable environments.

Respectfully,

Ha Dang
Agricultural Commissioner/
Sealer of Weights and Measures




SAN DIEGO COUNTY AGRICULTURAL COMMISSIONER LETTER

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California Department of Food and Agriculture
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Regards,


Ha Dang
Agricultural Commissioner/
Sealer of Weights and Measures

OVERVIEW OF CHANGES



2015 Overview of Changes

The overall value of commercial agriculture in San Diego County fell 6.4% from 2014-2015.

Decreases were seen in almost every major crop category except apiary and livestock and poultry. Decreases in the value of commercial agriculture is a result of many factors that may include: increased cost of production, land development, inventory reduction due to drought conditions and the associated high cost of water, land availability, and willingness to carry on the family business.

Tradition of late still stands as Ornamental Trees and Shrubs remain the top crop, bringing in a total of \$409,500,000, or 24% of the total value of agricultural production in San Diego County. Following close behind are Indoor Flowering and Foliage Plants valued at \$344,167,450, equaling 20% of the County's overall agricultural production. Both categories fall within Nursery and Cut Flower Products which declined by 3%, totaling \$1,146,814,770.

Due mostly to the 28% decrease in avocado value, Fruit and Nut crops equaled \$320,687,203, after falling 17% in overall value. Because avocados are

water-dependent, they continue to be affected by the ongoing drought and high cost of water.

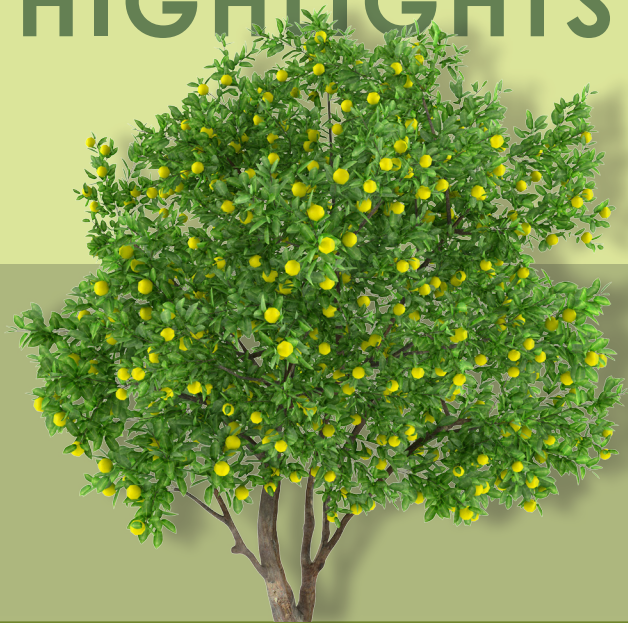
Vegetable crop value decreased to \$146,566,714, a 7% decline caused by an 18% reduction in planted acres; vegetable crops that decreased significantly in acreage included cucumbers (down 58% in acreage), peppers (down 64% in acreage), and tomatoes (down 27% in acreage).

Apiary Products, valued at \$4,051,385, saw an overall increase of 78%, due to a greater availability of food for bees.

Livestock and Poultry were valued at \$30,894,777, increasing 17%, directly tied to an increase in the value of cattle and calves.

Livestock and Poultry Products value fell 14%, totaling \$47,878,211. This is attributed to a decrease in value per unit of milk, and a decrease in chicken egg production. As a result of Proposition 2 and CR 1315, egg production has become more expensive, causing some chicken ranches to either go out of business or downsize their egg laying hen populations.

HIGHLIGHTS



2015 HIGHLIGHTS

Total Value of Production	\$1,701,776,951
Total Acreage	251,147
Commodity with Highest Reported Dollar Value	Ornamental Trees and Shrubs
Highest Dollar Value per Acre	Indoor Flowering and Foliage Plants
Lowest Dollar Value per Acre	Rangeland
Greatest % Increase in Total Dollar Value from 2014	Beeswax
Greatest % Decrease in Total Dollar Value from 2014	Hay, Oat
Commodity with the Greatest Amount of Planted Acreage	Avocados

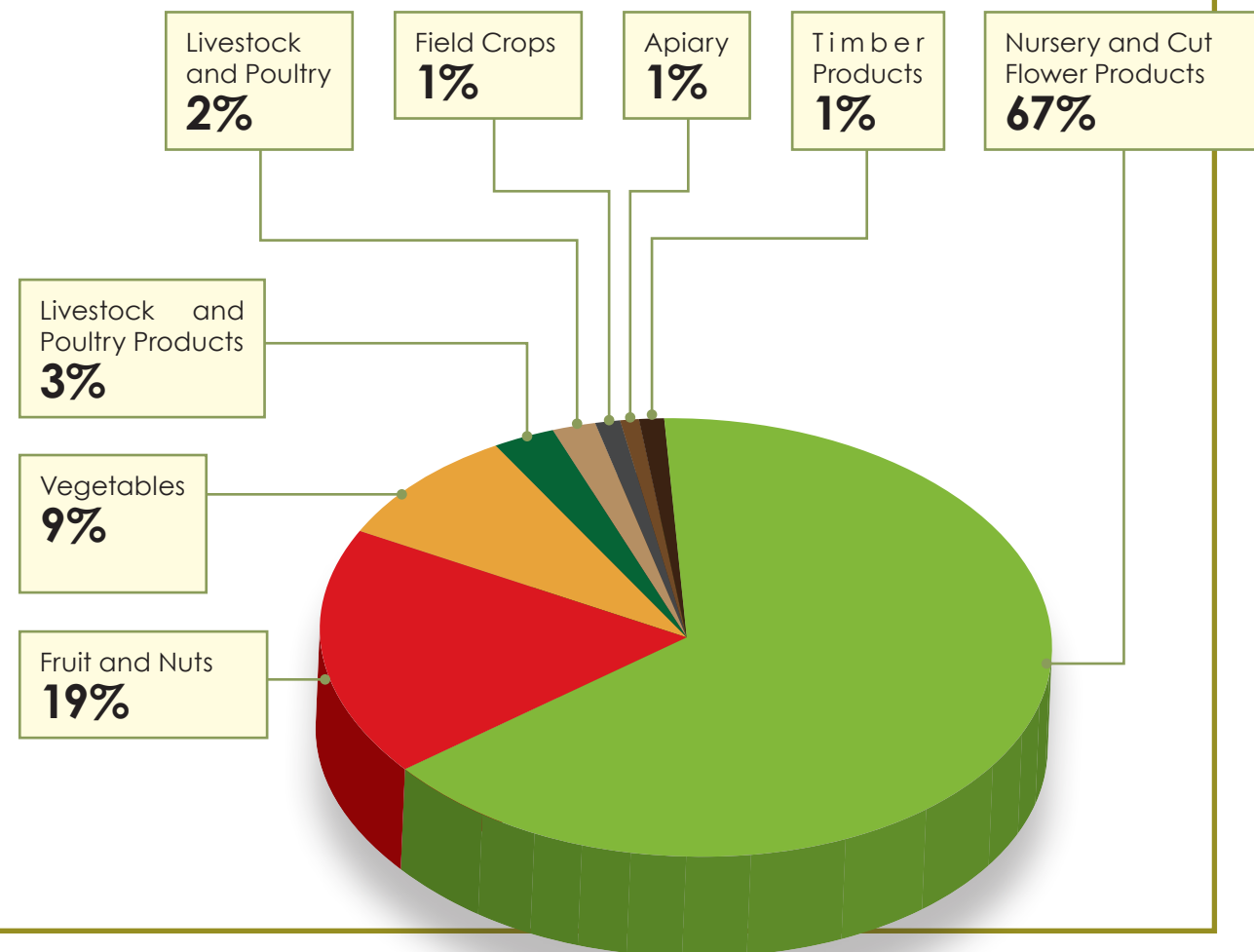
SUMMARY OF MAJOR CROPS

CROP	YEAR	ACRES	TOTAL VALUE
Nursery and Cut Flower Products	2015	12,475	\$1,146,814,770
	2014	12,702	\$1,182,613,913
Fruit and Nuts	2015	34,534	\$320,687,203
	2014	34,811	\$385,988,806
Vegetables	2015	3,837	\$146,566,714
	2014	4,631	\$157,217,383
Field Crops	2015	200,301	\$3,984,930
	2014	216,448	\$6,644,917
Apiary	2015		\$4,051,385
	2014		\$2,281,956
Timber Products	2015		\$898,961
	2014		\$901,572

SUMMARY OF MAJOR CROPS

CROP	YEAR	ACRES	TOTAL VALUE
Livestock and Poultry	2015		\$30,894,777
	2014		\$26,436,487
Livestock and Poultry Products	2015		\$47,878,211
	2014		\$55,380,848
Totals	2015	251,147	\$1,701,776,951
	2014	268,592	\$1,817,465,883

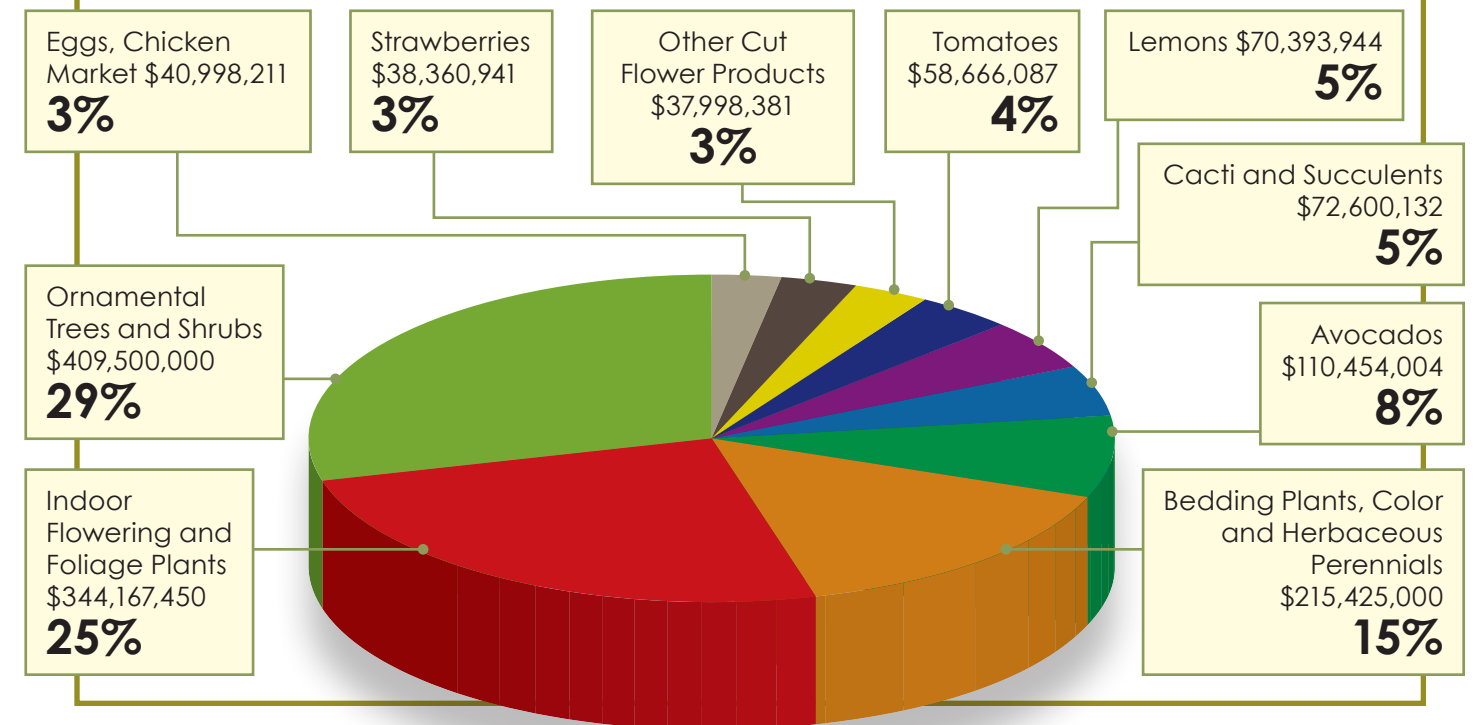
MAJOR CROPS BY OVERALL PERCENTAGE



TOP TEN CROPS

CROP	2015 VALUE
Ornamental Trees and Shrubs	\$409,500,000
Indoor Flowering and Foliage Plants	\$344,167,450
Bedding Plants, Color and Herbaceous Perennials	\$215,425,000
Avocados	\$110,454,004
Cacti and Succulents	\$72,600,132
Lemons	\$70,393,944
Tomatoes	\$58,666,087
Eggs, Chicken Market	\$40,998,211
Strawberries	\$38,360,941
Other Cut Flower Products	\$37,998,381

TOP 10 CROPS OVERALL



NURSERY AND CUT FLOWERS

CROP	YEAR	ACRES	TOTAL VALUE
Bedding Plants, Color and Herbaceous Perennials	2015	1,231	\$215,425,000
	2014	1,318	\$228,466,067
Cacti and Succulents	2015	374	\$72,600,132
	2014	310	\$43,400,000
Citrus, Avocado, and Subtropical Fruit Trees	2015	267	\$19,777,758
	2014	280	\$15,954,400
Indoor Flowering and Foliage Plants (including Poinsettia)	2015	858	\$344,167,450
	2014	863	\$363,702,937
Ornamental Trees and Shrubs	2015	5,250	\$409,500,000
	2014	5,303	\$439,178,551
Turf and Cut Christmas Trees	2015	690	\$14,835,000
	2014	696	\$15,470,688
Total Nursery Products	2015	8,670	\$1,076,305,340
	2014	8,770	\$1,106,172,643

CROP	YEAR	ACRES	TOTAL VALUE
Leptospermum	2015	407	\$1,953,600
	2014	411	\$2,178,671
Proteas	2015	594	\$6,217,992
	2014	607	\$4,821,813
Wax Flowers	2015	774	\$5,570,478
	2014	786	\$5,681,189
Other Cut Flowers	2015	1,288	\$37,998,381
	2014	1,356	\$43,320,222
Foliage	2015	742	\$18,768,979
	2014	773	\$20,439,375
Total Cut Flower Products	2015	3,805	\$70,509,430
	2014	3,932	\$76,441,270
Total Nursery and Cut Flower Products	2015	12,475	\$1,146,814,770
	2014	12,702	\$1,182,613,913

FRUIT AND NUT CROPS

CROP	YEAR	ACRES	TONS/ACRE	TONS	US \$/TON	TOTAL VALUE
Apples	2015	231	1	231	\$1,677	\$387,272
	2014	254	2	508	\$1,583	\$804,164
Total Avocados	2015	18,344	2	42,905	\$2,574	\$110,454,004
	2014	18,439	3	59,091	\$2,607	\$154,038,303
Hass	2015	17,330	2	39,332		\$102,060,678
	2014	17,405	3	56,412		\$148,466,436
Lamb-Hass	2015	758	4	3,248		\$7,968,764
	2014	758	3	2,041		\$4,669,441
Other	2015	256	1	324		\$424,561
	2014	276	2	638		\$902,427
Berries, Misc.	2015	317	9	2,853	\$9,800	\$27,962,046
	2014	320	9	2,878	\$12,660	\$36,441,430
Total Citrus	2015	12,498	12	151,589	\$831	\$126,023,691
	2014	12,605	13	167,534	\$797	\$133,573,898
Grapefruit	2015	1,458	16	22,599	\$486	\$10,983,114
	2014	1,538	17	26,607	\$463	\$12,325,677
Kumquats	2015	84	3	252	\$3,373	\$850,021
	2014	84	4	336	\$5,000	\$1,680,000
Lemons	2015	3,550	17	61,912	\$1,137	\$70,393,944
	2014	3,569	19	69,439	\$1,104	\$76,660,469

FRUIT AND NUT CROPS

CROP	YEAR	ACRES	TONS/ACRE	TONS	US \$/TON	TOTAL VALUE
Limes	2015	280	6	1,680	\$1,848	\$3,104,640
	2014	280	7	1,876	\$855	\$1,603,980
Oranges	2015	6,181	8	51,920	\$529	\$27,465,892
	2014	6,170	9	55,577	\$516	\$28,701,207
Tangerines and Tangelos	2015	945	14	13,226	\$1,000	\$13,226,080
	2014	964	14	13,698	\$920	\$12,602,565
Grapes, Wine	2015	969	3	2,907	\$1,456	\$4,232,592
	2014	923	5	4,246	\$1,547	\$6,568,253
Misc. Fruit and Nuts	2015	1,390				\$11,398,000
	2014	1,396				\$15,593,318
Persimmons	2015	298	4	1,220	\$1,532	\$1,868,657
	2014	299	2	449	\$2,273	\$1,019,441
Strawberries	2015	487	35	17,264	\$2,222	\$38,360,941
	2014	575	33	18,975	\$2,000	\$37,950,000
Total Fruit and Nuts	2015	34,534				\$320,687,203
	2014	34,811				\$385,988,806

VEGETABLE AND VINE CROPS

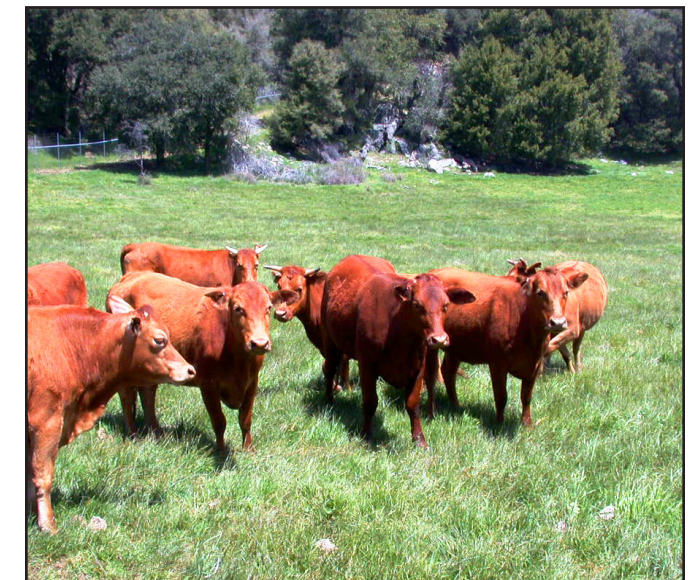
CROP	YEAR	ACRES HARVESTED	TONS/ ACRE	TONS TOTAL PRODUCTION	US \$/ TON	TOTAL VALUE
Cucumbers	2015	97	9	870	\$592	\$515,218
	2014	233	12	2,796	\$484	\$1,353,264
Herbs/Spices	2015	372	10	3,715	\$5,812	\$21,591,580
	2014	401	11	4,411	\$4,550	\$20,070,050
Mushrooms	2015			4,284	\$3,300	\$14,137,200
	2014			4,284	\$3,367	\$14,424,228
Peppers	2015	73	20	1,468	\$874	\$1,282,024
	2014	205	20	4,039	\$878	\$3,545,803
Potatoes	2015	257	6	1,491	\$511	\$762,159
	2014	294	16	4,631	\$37	\$171,838
Squash	2015	373	8	3,079	\$755	\$2,323,577
	2014	408	9	3,672	\$714	\$2,621,808
Tomatoes	2015	1,249	15	18,440	\$3,182	\$58,666,087
	2014	1,720	15	25,800	\$3,174	\$81,878,400
Miscellaneous Vegetables	2015	1,389	14	18,751	\$2,522	\$47,288,870
	2014	1,370	13	17,298	\$1,916	\$33,151,992
Total Vegetables	2015	3,837				\$146,566,714
	2014	4,659				\$157,217,383

LIVESTOCK AND POULTRY

COMMODITY	YEAR	NUMBER OF HEAD	WEIGHT CWT	US \$/CWT	TOTAL VALUE
Cattle and Calves	2015	10,800	98,100	\$275	\$26,713,584
	2014	11,100	99,900	\$207	\$20,643,336
Hogs and Pigs	2015	1,300	3,250	\$50	\$162,500
	2014	1,391	3,478	\$74	\$257,335
Chickens	2015		68,098	\$57	\$3,906,608
	2014		86,200	\$63	\$5,446,116
Lambs and Sheep	2015	912	912	\$123	\$112,085
	2014	897	897	\$100	\$89,700
Total Livestock and Poultry	2015				\$30,894,777
	2014				\$26,436,487

FOREST PRODUCTS

COMMODITY	YEAR	TOTAL VALUE
Timber	2015	\$16,332
	2014	\$14,905
Firewood	2015	\$882,629
	2014	\$886,667
Total Forest Products	2015	\$898,961
	2014	\$901,572



FIELD CROPS

COMMODITY	YEAR	ACRES HARVESTED	TONS/ACRE	TONS TOTAL PRODUCTION	US \$/TON	TOTAL VALUE
Hay, Oat	2015	2,038	1	2,446	\$162	\$396,896
	2014	3,847	2	7,694	\$190	\$1,461,860
Pasture, Irrigated	2015	980				\$1,897,280
	2014	1,533				\$2,968,041
Range	2015	196,050				\$1,235,116
	2014	208,564				\$1,313,953
Miscellaneous Field	2015	1,233				\$455,637
	2014	2,504				\$901,063
Total Field Crops	2015	200,301				\$3,984,930
	2014	216,448				\$6,644,917

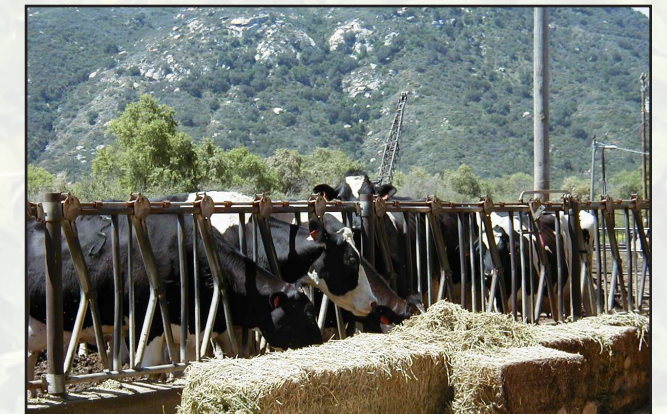


LIVESTOCK AND POULTRY PRODUCTS

COMMODITY	YEAR	NUMBER	WEIGHT CWT	US \$/UNIT	TOTAL VALUE
Milk, Market	2015		427,538	\$16	\$6,880,000
	2014		444,279	\$23	\$10,061,000
Eggs, Chicken Market	2015	30,186,000 dz		\$1	\$40,998,211
	2014	35,577,960 dz		\$1	\$45,244,848
Ratite Oil	2015	Not reported			
	2014	117 gal			\$75,000
Total Livestock and Poultry Products	2015				\$47,878,211
	2014				\$55,380,848

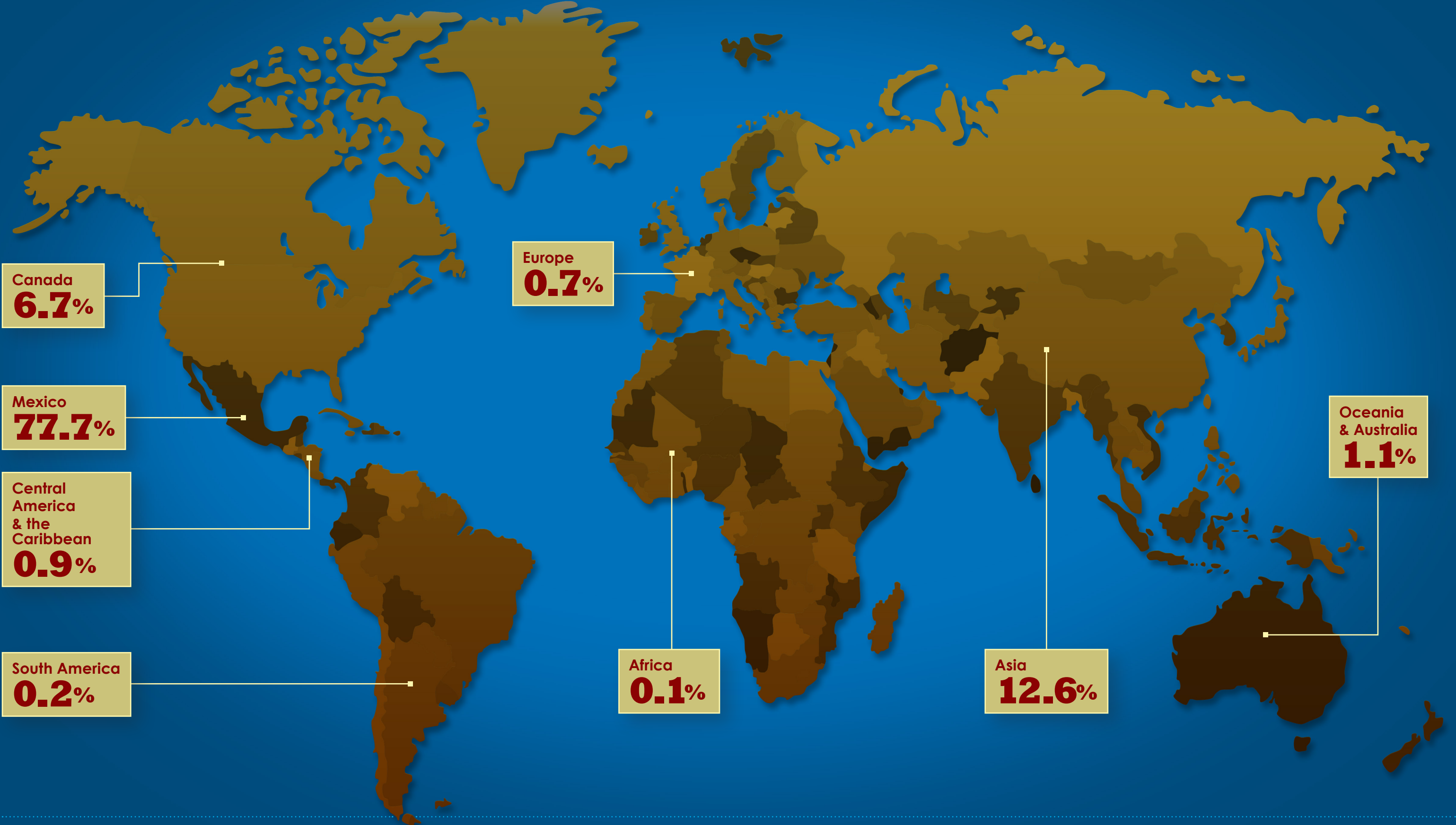
APIARY PRODUCTS

COMMODITY	YEAR	TOTAL VALUE
Honey	2015	\$832,410
	2014	\$150,573
Beeswax	2015	\$25,900
	2014	\$2,575
Pollination	2015	\$3,193,075
	2014	\$2,128,808
Total Apiary Products	2015	\$4,051,385
	2014	\$2,281,956



AGRICULTURAL WEIGHTS & MEASURES TRADING PARTNERS

IN 2015 WE CERTIFIED 6,425 SHIPMENTS OF PLANT MATERIAL (INCLUDING FRUITS AND VEGETABLES) GOING TO 49 COUNTRIES.



SUSTAINABLE AGRICULTURE



Sustainable Agriculture promotes the economic viability of agriculture while preserving natural resources and the environment. Pest prevention activities are essential to inhibiting the spread of exotic pests and ensuring a sustainable agricultural industry in California.

The Department of Agriculture, Weights and Measures administers programs for the detection, control and eradication of insect pests, plant diseases and invasive weeds, as well as for the enforcement of quarantines to prevent the spread of invasive pests.

Pest ratings are intended as aids to inform county agricultural commissioners and other interested persons as to a particular pest's environmental, agricultural and biological significance, as well as its importance to the general public, and the action recommended by the California Department of Food and Agriculture to deal with the pest.

"A"-rating: Organism of known economic importance subject to state (or agricultural commissioner) enforced action.

"Q"-rating: Organism requiring a temporary "A" rating pending determination of a permanent rating. The organism is suspected to be of economic importance but its status is uncertain because of incomplete identification, inadequate information, etc.

Our Entomology and Plant Pathology Labs provide rapid insect and plant disease identification allowing for a quick response to pests of known economic importance (A-rated) and those suspected of economic importance (Q-rated).

► 19 A-rated pests were identified

► 51 Q-rated pests were identified



ORGANIC FARMING

San Diego County is at the forefront of organic farming with 385 registered organic producers. In 2015, organic growers produced more than 125 different crops, from avocados to tomatoes. The majority of organic produce grown locally is sold to wholesalers who in turn sell it to markets across the United States. A portion of the produce is sold directly to local restaurants and natural food stores. Organic growers also sell directly to the public through produce stands, Certified Farmers' Markets throughout the County of San Diego, and Community Supported Agriculture (CSA) programs. The USDA's National Organic Standards Board defines "organic agriculture" as an ecological production management system that promotes and enhances biodiversity, biological cycles, and soil biological activity. San Diego County has 12% of the total number of Certified Organic growers in the state.

TOP TEN ORGANIC CROPS

COMMODITY	ACREAGE
Avocados	4,061
Lemons	1,144
Oranges	1,102
Grapefruit	641
Herbs/Spices	329
Tangerines and Tangelos	218
Blueberries	105
Tomatoes	104
Squash, Summer type	83
Strawberries	75



INVASIVE/NOXIOUS WEED CONTROL

The Integrated Pest Control Program (IPC) protects the County's agriculture, sensitive habitats, native wildlife, and endangers species by controlling invasive/noxious weeds in cooperation with other county departments and agencies.

Additional funding secured by AWM enabled IPC to increase their early detection rapid response efforts on rated and invasive/noxious weeds.

- ▶ Four different species of invasive weeds were removed from a total of 44 acres
- ▶ Two A-rated, three B-rated, and three C-rated species of noxious weeds were removed from a total of 324 acres



HIGH RISK PEST EXCLUSION

- ▶ 4,086 plant shipments inspected
- ▶ 137 Notices of Rejection were issued
- ▶ 190 pests were found (48 A-rated, 65 B-rated, and 77 Q-rated)
- ▶ 3 international border operations with Homeland Security, Customs and Border Protection and U.S. Department of Agriculture were conducted



DETECTOR DOG TEAMS

- ▶ Detector dogs alerted on 3,958 packages shipped through Fed-Ex and UPS
- ▶ 513 of those packages were not marked as containing plant material and 428 actually contained plant material; this is a 94% accuracy rate
- ▶ 40 inspections were conducted at the USPS main shipping terminal in San Diego County resulting in alerts on 941 packages
- ▶ Of the 941 packages alerted on, 681 Notices of Rejection were issued to shippers in violation of the Food and Agricultural Code



WEED CONTROL PERFORMED ON COUNTY PROPERTY:

IPC preserves road visibility and clearance; reduces fire danger along roadways and

intersections; enhances drainage to prevent flooding; and keeps safety pull-over areas visible and easy to access. We perform weed control work along County roads and right-of-ways. We also control weeds along flood control conveyances to enhance the flow of water.

	REMOVAL METHOD	ACREAGE SURVEYED/TREATED
Habitat Restoration at County Parks	Herbicides/Hand Removal	188.02
Roadside Right of Ways	Herbicides	2,091.57
Airports	Herbicides	1,104.66
Flood Control District	Herbicides	33.17
Sanitation District	Herbicides	20.48
	Total Acreage	3,437.9

STRUCTURAL PEST CONTROL

Integrated Pest Control implements Board of Supervisors Policy F-45, requiring the use of Integrated Pest Management protocols at all county facilities, which is an effective and environmentally sound approach while performing pest control.

We use current scientific information and control methods to manage and eradicate pests by the most economical means with the least possible hazard to people, property and the environment.

190 County Facilities were inspected and treated for various structural pests





LIVE WELL SAN DIEGO

LIVE WELL SAN DIEGO IS THE COUNTY OF SAN DIEGO'S VISION FOR A REGION THAT IS BUILDING BETTER HEALTH, LIVING SAFELY AND THRIVING. THE SAN DIEGO DEPARTMENT OF AGRICULTURE, WEIGHTS AND MEASURES (AWM) FITS IN WELL WITH THIS VISION. AWM ENSURES A FAIR AND EQUITABLE MARKET PLACE AND INCREASES AVAILABILITY OF FRESH LOCAL PRODUCE THROUGH FARMERS' MARKETS LOCATED IN SOME AREAS THAT LACK THE AVAILABILITY OF THESE ITEMS. LOCALLY SOURCED FRESH PRODUCE ALLOWS FOR BETTER CHOICES RESULTING IN HEALTHIER COMMUNITIES!

Although Live Well San Diego began in 2010 as a health strategy, it has evolved into a greater vision to improve the health, safety and well-being of all County residents. There are three components:

1. Building Better Health calls for improving the health of all residents and supporting healthy choices.
2. Living Safely calls for ensuring residents are protected from crime and abuse, neighborhoods are safe and communities are resilient to disasters and emergencies.
3. Thriving calls for cultivating opportunities for all people and communities to grow, connect, and enjoy the highest quality of life.

THE COUNTY HAS ADOPTED FOUR STRATEGIC APPROACHES FOR REALIZING THE LIVE WELL SAN DIEGO VISION:

1. Building a Better Service Delivery System:

Improving the quality and efficiency of County government and its partners in the delivery of services to residents, contributing to better outcomes for clients and results for communities.

2. Supporting Positive Choices: Providing information and resources to inspire county residents to take action and responsibility for their health, safety and well-being.

3. Pursuing Policy and Environmental

Changes: Creating environments and adopting policies that make it easier for everyone to live well, and encouraging

individuals to get involved in improving their communities.

4. Improving the Culture Within County

Government: Increasing understanding among County employees and providers about what it means to live well and the role that all employees play in helping county residents live well.

WORKING TOGETHER TO GROW

Live Well San Diego involves everyone. Only through a collective effort — in which all of us work together toward a shared purpose — can meaningful change be achieved in a region as large and diverse as San Diego County.

Organizations can become Live Well San Diego Recognized Partners by making a formal commitment to support the Live Well San Diego vision. Recognized Live Well San Diego Partners include health care providers, community and faith-based organizations, businesses, school districts and other jurisdictions, including cities, tribal governments and military or veterans organizations.

LOCAL ACTION, COUNTY-WIDE IMPACT

Live Well San Diego needs leadership from residents to identify priority needs and make long term change. Organizational leaders and community members gather in the County's regions to plan community improvements and address health and safety needs. These teams serve as a central point for action at the local level.

The Live Well San Diego Indicators measure the collective impact of the County's efforts and the work of our partners over the long term to create a San Diego region where all residents are healthy, safe and thriving.

CHANGE FROM WITHIN

San Diego County government recognizes its role in encouraging the community to bring about positive change. With the support of residents and local organizations, County government can help bring individuals and groups from every area together to create a shared agenda and achieve our collective goals.

A key component to Live Well San Diego is improving the culture from within County government. This means that County government must support employees in being healthy and safe and then, in turn, they become champions for living well in the community.

San Diego County government has a record of excellence in smart spending and innovative development and has been recognized nationally and by the State as a leader among counties. The Live Well San Diego vision builds upon this strong foundation of good governance while going even further to involve residents in taking action for our future.

Visit AWM's website at www.sdcawm.org to find locations of farmers' markets and other resources to continue to Live Well San Diego!

PROGRAMS AND SERVICES



Plant Health and Pest Prevention is the first line of defense in keeping unwanted pests out of our county. Inspections of incoming and outgoing plant shipments and production nurseries look for pests harmful to agricultural production here or at the shipment destination.

- ▶ 4,086 incoming plant shipments inspected with 190 actionable pest finds
- ▶ 513 unmarked parcels containing plant material intercepted by the Detector Dog Teams
- ▶ 504 nurseries, comprising 5,725 acres, inspected for pests and diseases

Entomology and Plant Pathology Labs provide rapid insect and plant disease identification allowing a quick response in the fight against pests.

- ▶ Entomology lab performed 17,078 determinations
- ▶ Plant pathology lab performed 1,939 determinations

Pest Detection is a critical component of our statewide pest prevention network. Our Pest Detection program placed and serviced 346,758 insect traps throughout the county to detect insect pests, such as exotic fruit flies, Gypsy moth,

Glassy-winged sharp shooter, Japanese beetle, and Light Brown Apple moth which pose threats to California's agricultural and horticultural crops. There were several pests detected within the County, and the Pest Detection program assisted both state and federal agencies in conducting activities to promptly and effectively eradicate the pests. Through early detection, damage to crops, the environment and economy, and the subsequent use of pesticides was reduced.

Pesticide Regulation enforces state pesticide laws and regulations. Inspections, complaint and illness investigations, and evaluations of restricted material permits all serve to ensure pesticides are used in a safe and legal manner while protecting human and animal health, as well as the environment.

- ▶ Conducted 1,351 inspections
- ▶ Conducted 112 hazardous materials inventory inspections
- ▶ Completed 177 pesticide/antimicrobial investigations
- ▶ Investigated 98 complaints
- ▶ Issued 178 restricted materials permits
- ▶ Conducted 29 outreach events involving over 1,100 people
- ▶ 24 stakeholder meetings were held
- ▶ Issued 15 Cease and Desist Orders
- ▶ 83 enforcement actions were taken

Agricultural Standards supports the sustainability of local agriculture, ensures integrity in the marketplace, and promotes healthy families by inspecting fruits, vegetables, eggs, and honey for compliance with laws, regulations, and food standards. Activities include inspecting Certified Farmers' Markets and Certified Producers, conducting citrus maturity testing, egg inspections, and pesticide testing of organic produce for pesticide residue.

- ▶ 53 active farmers' markets and 242 local growers certified in San Diego County
- ▶ 89 fruit and vegetable standardization inspections conducted
- ▶ 345,145 dozen eggs inspected during 703 inspections at 442 egg ranches, wholesale and retail locations

Agricultural Water Quality performs inspections at nurseries, greenhouses, golf courses, cemeteries, and pest control businesses ensuring compliance with the County's Stormwater Permit, mandated by the San Diego Regional Water Quality Control Board. Inspections, education, and investigations are aimed at stopping the potential for discharging pollutants such as fertilizers, pesticides, and sediment into local waterways.

- ▶ 256 inspections completed
- ▶ 18 complaints investigated

Integrated Pest Control works under the Board of Supervisors' policy mandating the use of Integrated Pest Management (IPM), which is an effective and environmentally sound approach to performing pest control.

IPM incorporates current scientific information and control methods to manage and eradicate weeds and pests by the most economical means with the least possible hazard to people, property and the environment. Integrated Pest Control's weed control work preserves road visibility and clearance; reduces fire danger along roadways and intersections; enhances drainage to prevent flooding; and keeps safety pull-over areas visible and easy to access.

- ▶ 3,806 acres within the County were treated for weeds
- ▶ 190 County facilities treated for structural pests

Environmental Services prepares crop information, provides agricultural expertise for land use projects, performs verification of agriculture inspections for farm worker housing, coordinates media and outreach, staffs Fish and Wildlife Advisory Commission meetings, and maintains AWM's website and Facebook page.

Weights and Measures ensures consumers get what they pay for and supports fair competition amongst businesses in the marketplace.

The program performs inspections to verify accuracy of product weight, measure, and price.

These inspections include testing of commercial weighing and measuring devices, labeling and advertising requirements for petroleum products, price verification (scanners), quantity control for packages, and weighmaster compliance.

- ▶ 50,629 commercial weighing and measuring devices inspected with an 86% compliance rate
- ▶ 391 consumer complaints investigated
- ▶ 1,564 price verification inspections

Civil Actions advocates for the department on actions brought against a person or business due to violations found through inspections.

- ▶ 59 civil actions for agricultural standards violations including 3 for organics
- ▶ 413 civil actions for weights and measures violations
- ▶ 50 civil actions for agricultural pesticide use or pest control violations
- ▶ 28 civil actions for structural pesticide use violations
- ▶ 1 civil action for quarantine violations



PROGRAM	SERVICES	NUMBER
Entomology	Insect identification; apiary registration; pest surveys	(858) 614-7738
Environmental Services	Crop statistics; land use issues; public information; social media; Fish and Wildlife Advisory Commission	(858) 614-7776
Integrated Pest Control	Invasive weed control; structural pest control for county owned buildings	(858) 614-7750
Plant Health & Pest Prevention	Licenses to sell nursery products, flowers & foliage; shipping certificates; Inspections: incoming/outgoing shipments; detector dog teams; nursery; glassy-winged sharpshooter; Light Brown Apple Moth	(760) 752-4700 (760) 752-4713 (Inspection request line)
Pest Detection	Exotic insect trapping	(858) 614-7770 (800) 300-TRAP (Request/Removal of Traps)
Pesticide Regulation	Agricultural and structural pest control inspections; registration; operator identification numbers; pesticide use reporting; restricted materials permits; employee pesticide training requirements; pesticide complaints; agricultural hazardous material storage	(858) 694-8980
Plant Pathology	Plant disease diagnostic services; plant disease surveys	(858) 614-7734
Agricultural Standards	Certified farmers' markets; certified producer certificates; organic handler/ producer; egg producer/handler; agricultural water quality; fruit, vegetable, honey, and nut standardization	(858) 614-7786
Weights & Measures	Device & Scanner registration; Weighing & Measuring, Weighmaster, Petroleum, Package/Labeling, Service Agency/Agents and Scanner Inspections; Consumer Complaints.	(858) 694-2778

The 2015 Crop Statistics and Annual Report was produced by Information Technology Principal Vince Acosta, Senior Agricultural/Standards Inspector Colleen Carr, and Operations Research Analyst Brian Hammond.

All reported figures represent Freight on Board (F.O.B.) values for products. These are not net values and do not reflect cost of production. Total values may not add precisely due to rounding. Gross value of farm products does not reflect the total value to the economy.



S T A F F



Ha Dang

County Agricultural
Commissioner/Sealer of
Weights and Measures

Megan Moore

Assistant County
Agricultural
Commissioner/Sealer of
Weights and Measures

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Tim Holbrook
Tony Avina

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Charity McGuire
Cirila Pieper
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Elinor Weed
Erlinda Espiritu
Gemma Bilog
Linda Goff
Mark Roughton
Paul Rushton
Sabumon Joseph
Sandra Luck
Sandra Ochoa
Sandra Parks
Susan Callies
Suzanne Raymond
Veronika Romo

PEST MANAGEMENT

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Danny Luna
Dustin Hylton
Ivan Robles
Michael Delahunt
Paul Cadena
Raul Macias
Ray Wood
Walter Graves

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Avery Throop
Hannah Meegan
John Ho
Joseph Wilson
Kassandra Candelaria
Maria Torres
Oscar Flores
Victoria Knott

CIVIL ACTIONS INVESTIGATOR

Sally Lorang

HEARING OFFICERS

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Marsha Philippe
Robert Atkins
Thomas Marshall



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Benjamin Redding
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Quang Ong
Randy Carrera
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Robert Macgregor
Shady Hajjar
Ted Olsen
Victoria Ochoa
William Winans

PEST DETECTION

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Lynne Gardner (Sr. IDS)
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Valerie Wagner
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William Leech

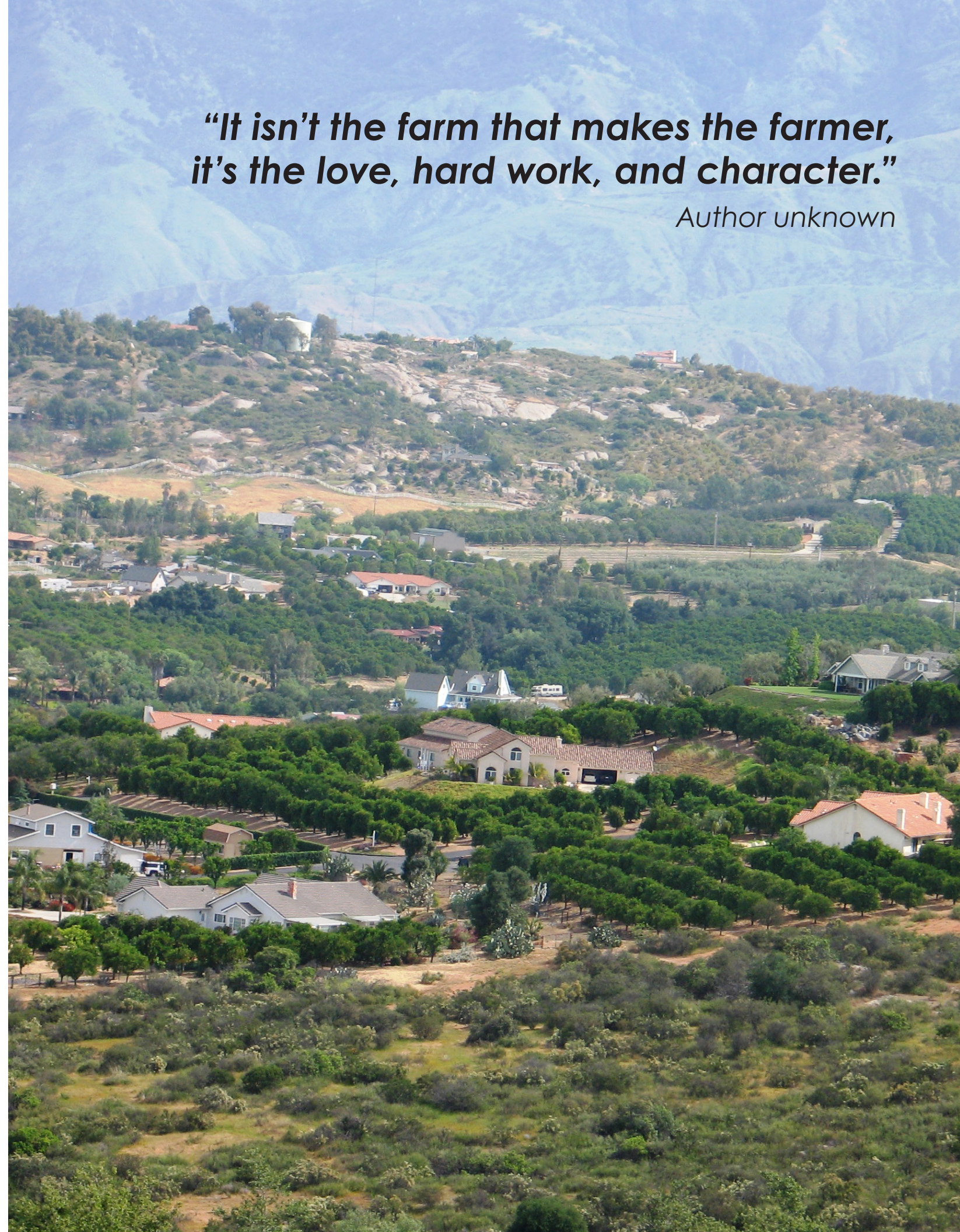
USDA WILDLIFE SERVICES

Joe Albee
Paul Martin
Terry Cox



***“It isn’t the farm that makes the farmer,
it’s the love, hard work, and character.”***

Author unknown



COUNTY OF SAN DIEGO CROP STATISTICS & ANNUAL REPORT

www.sandiegocounty.gov/awm



**DEPARTMENT
OF AGRICULTURE
WEIGHTS
AND
MEASURES**

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