

2007

Crop Statistics & Annual Report



County of San Diego

Department of Agriculture, Weights & Measures

The 2007 Crop Statistics and Annual Report was produced by Deputy Agricultural Commissioner/Sealer Dawn Nielsen and Agricultural/Standards Inspector Marcia Milam with assistance from Senior Agricultural Inspector Lynn Parker. We would like to thank the Farm and Home Advisors, Dr. Gary Bender and Dr. Terry Salmon, for their invaluable assistance with the citrus survey.



ROBERT G. ATKINS
*AGRICULTURAL COMMISSIONER/
SEALER OF WEIGHTS AND MEASURES*

County of San Diego

DEPARTMENT OF AGRICULTURE WEIGHTS AND MEASURES
5555 Overland Avenue, Suite 3101, San Diego, CA 92123-1256
<http://www.sdcawm.org>

AGRICULTURE
(858) 694-2739
FAX (858) 495-5012

WEIGHTS & MEASURES
(858) 694-2778
FAX (858) 505-6484

COUNTY VETERINARIAN
(858) 694-2838
FAX (858) 571-4268

SAN MARCOS OFFICE
(760) 752-4700
FAX (760) 752-4703

A.G. Kawamura, Secretary
California Department of Food and Agriculture
and
The Honorable Board of Supervisors of the County of San Diego
Supervisor Greg Cox, Chairman, 1st District
Supervisor Dianne Jacob, Vice Chairwoman, 2nd District
Supervisor Pam Slater-Price, 3rd District
Supervisor Ron Roberts, 4th District
Supervisor Bill Horn, 5th District

I respectfully submit the 2007 report of acreage, yield, and value of agricultural production for San Diego County. This report also contains the annual report of the many diverse programs within the Department of Agriculture, Weights and Measures that support the County's focus on children, the environment, and safe and livable communities.

Despite a year that started with record breaking freezing temperatures and ended with devastating fires, San Diego farmers once again showed their fortitude by producing the most bountiful agricultural year on record. The total value of San Diego County agriculture increased 5% over 2006 for a final dollar value of \$1,536,429,974. This is mainly due to an increased value for nursery stock as well as higher values for avocados and citrus. 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 do not add precisely due to rounding. Gross value of farm products does not reflect the total value to the economy.

San Diego County's unique topography creates a wide variety of microclimates resulting in nearly 30 different types of vegetation communities. This diversity allows for San Diego to grow over 200 different agricultural commodities - from strawberries and tomatoes along the coast, to apples in the mountain areas, to palm trees in the desert. The success of the San Diego County diverse agricultural industry is reflected in the 45 crops with a value of over \$1 million.

I would like to express my thanks to the many farmers, ranchers, nurserymen and women who provide the information vital to this report. In addition, I would like to thank industry groups for their support in the compilation of statistics. Finally, I would like to express my appreciation to the dedicated Agriculture, Weights and Measures staff (listed on the inside back cover) who continually strive to provide our customers with superior service.

Sincerely,

Robert G. Atkins
Agricultural Commissioner/
Sealer of Weights and Measures



Summary of Major Crops

| | |
|-------------------------------------|--------------------------------------|
| TOTAL VALUE | \$1,536,429,974 |
| CHANGE IN VALUE FROM 2006 | \$74,764,713 |
| PERCENT CHANGE | +5.1% |
| TOTAL ACREAGE | 308,991 |
| CHANGE IN ACREAGE FROM 2006 | 6,305 |
| PERCENT CHANGE | -2.0% |
| HIGHEST VALUE PER ACRE | INDOOR FLOWERING & FOLIAGE PLANTS |
| DOLLAR VALUE PER ACRE | \$539,029 |
| CROP WITH THE LOWEST VALUE PER ACRE | OAT GRAIN |
| DOLLAR VALUE PER ACRE | \$14 |

Overview of Changes

Indoor Flowering and Foliage Plants remains the number one crop in San Diego County with an increase in value (4%) to \$322,339,342. This year, however, it is only slightly higher than Ornamental Trees and Shrubs, which had a significant increase (12%) to \$321,830,298. Overall acreage for nurseries and cut flowers decreased slightly while the total value increased (9%). In 2007, the total value for all nursery products (including cut flowers and foliage) topped the one billion dollar mark for a grand total of \$1,042,461,078.

Fruit and Nut Crops increased in both acreage (12%) and total value (5%). Avocados remain the largest fruit crop, although the value once again decreased (-7%). The freeze in January and fires in October combined to reduce avocado yields significantly. Citrus climbed (75%) in value across the board. This increase may be partially attributed to improved data gathering due to coordination with the local University of California Cooperative Extension / San Diego Farm Advisor office.

Vegetables and Vine Fruits decreased (-8%) in value this past year, while the acreage increased slightly (2%). The biggest decrease (57%) was in mushrooms which declined more than 13 million dollars.

Livestock and Poultry increased (27%) as a result of the increase in the price of cattle. Ratites and ratite products decreased (-60% for both). However, due to the increase in the price of milk and eggs, Livestock and Poultry Products overall increased in value (48%).

What Makes San Diego County Agriculture Unique?

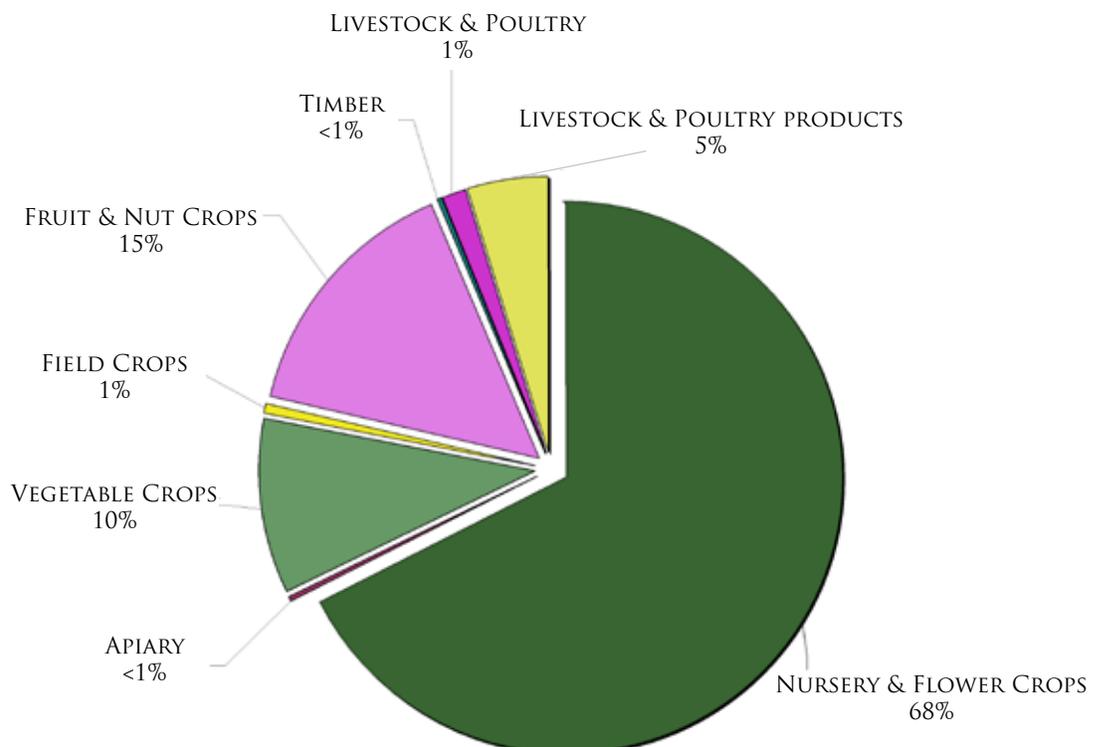
- San Diego County is the most southwestern county in the United States with a geographic area of 4,200 square miles, approximately the size of Connecticut, and a population of 3.1 million.
- The U.S. Weather Bureau describes the San Diego climate as the most nearly perfect in America, characterized as Mediterranean, with warm winters and cool summers.
- San Diego County's varied topography creates a wide fluctuation of microclimates resulting in nearly 30 different types of vegetation communities. This diversity allows for San Diego to grow over 200 different agricultural commodities - from strawberries and tomatoes along the coast, to apples in the mountain areas, to palm trees in the desert.
- San Diego County has the sixth highest urban population among counties in the United States, but the County also has the 12th largest agricultural economy.
- Agriculture in San Diego County covers 308,991 acres and ranks 5th as a component of San Diego County's economy.
- San Diego County has 5,255 farms, the second highest number of farms of all counties in the United States.
- 63% of San Diego County farms are 1-9 acres. Median size farm in San Diego is 5 acres.
- In San Diego 92% of the farms are family owned. 77% of the farmers live on their land. Native Americans operate 19% of the farmland in San Diego County.
- The high cost of water and land make farming in San Diego County expensive and encourages growers to raise products with a high dollar value per acre.
- San Diego County ranks number one in both California and the nation in the production value of nursery, floriculture, and avocados.
- Statewide, San Diego County is in the top five in the production of oranges, chickens, fresh market tomatoes, eggs, mushrooms, grapefruit, tangerines, and honey.
- San Diego County produces the most dollar value per acre (\$4,973/A) of any county in California.
- San Diego County has the largest community of organic growers in the state and nation, with 292 farmers growing more than 150 crops!



Summary of Major Crops

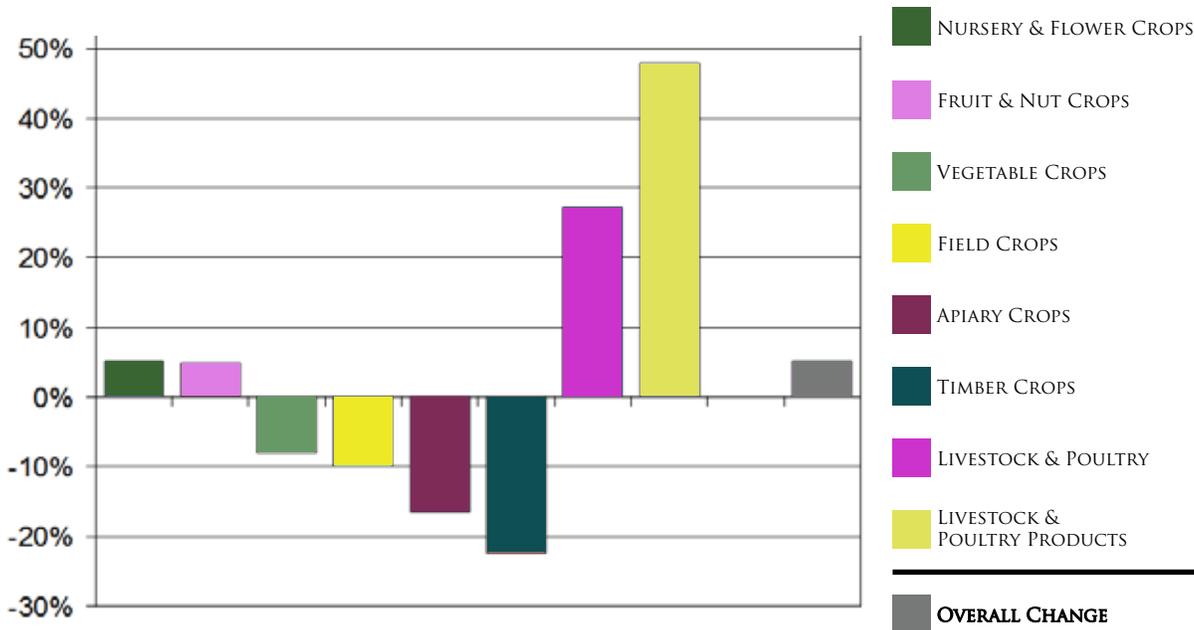
| TWO YEAR COMPARISON | | 2007 | | 2006 | |
|------------------------------|----------------|------------------------|----------------|------------------------|--|
| | ACRES | VALUE | ACRES | VALUE | |
| NURSERY & FLOWER CROPS | 9,836 | \$1,042,461,078 | 9,872 | \$991,254,764 | |
| FRUIT & NUT CROPS | 46,180 | \$231,160,982 | 44,028 | \$220,325,305 | |
| VEGETABLE CROPS | 6,888 | \$159,549,612 | 6,777 | \$173,506,449 | |
| FIELD CROPS | 246,087 | \$5,299,084 | 254,619 | \$5,882,609 | |
| APIARY | | \$3,423,868 | | \$4,100,209 | |
| TIMBER | | \$749,310 | | \$965,000 | |
| LIVESTOCK & POULTRY | | \$20,461,957 | | \$16,087,533 | |
| LIVESTOCK & POULTRY PRODUCTS | | \$73,324,083 | | \$49,543,392 | |
| TOTALS | 308,991 | \$1,536,429,974 | 315,296 | \$1,461,665,261 | |

2007 MAJOR CROP CATEGORIES



Summary of Major Crops

PERCENT CHANGE IN MAJOR CROPS - 2006 TO 2007



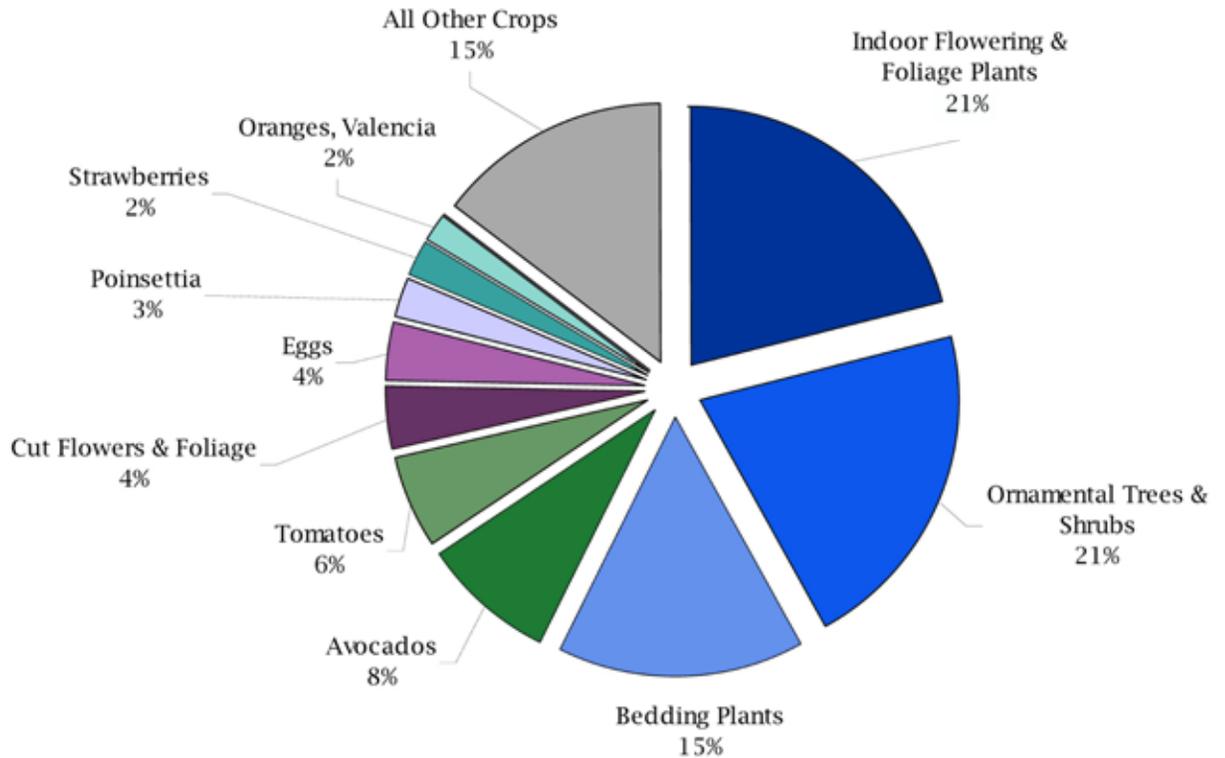
TEN YEAR COMPARISON

2007

1997

| | ACRES | VALUE | ACRES | VALUE |
|------------------------------|----------------|------------------------|----------------|------------------------|
| NURSERY & FLOWER CROPS | 9,836 | \$1,042,461,078 | 8,295 | \$704,988,190 |
| FRUIT & NUT CROPS | 46,180 | \$231,160,982 | 42,384 | \$215,090,527 |
| VEGETABLE CROPS | 6,888 | \$159,549,612 | 13,227 | \$112,364,649 |
| FIELD CROPS | 246,087 | \$5,299,084 | 107,011 | \$5,650,940 |
| APIARY | | \$3,423,868 | | \$1,153,787 |
| TIMBER | | \$749,310 | | \$629,850 |
| LIVESTOCK & POULTRY | | \$20,461,957 | | \$14,082,554 |
| LIVESTOCK & POULTRY PRODUCTS | | \$73,324,083 | | \$85,395,203 |
| TOTALS | 308,991 | \$1,536,429,974 | 170,917 | \$1,139,355,700 |

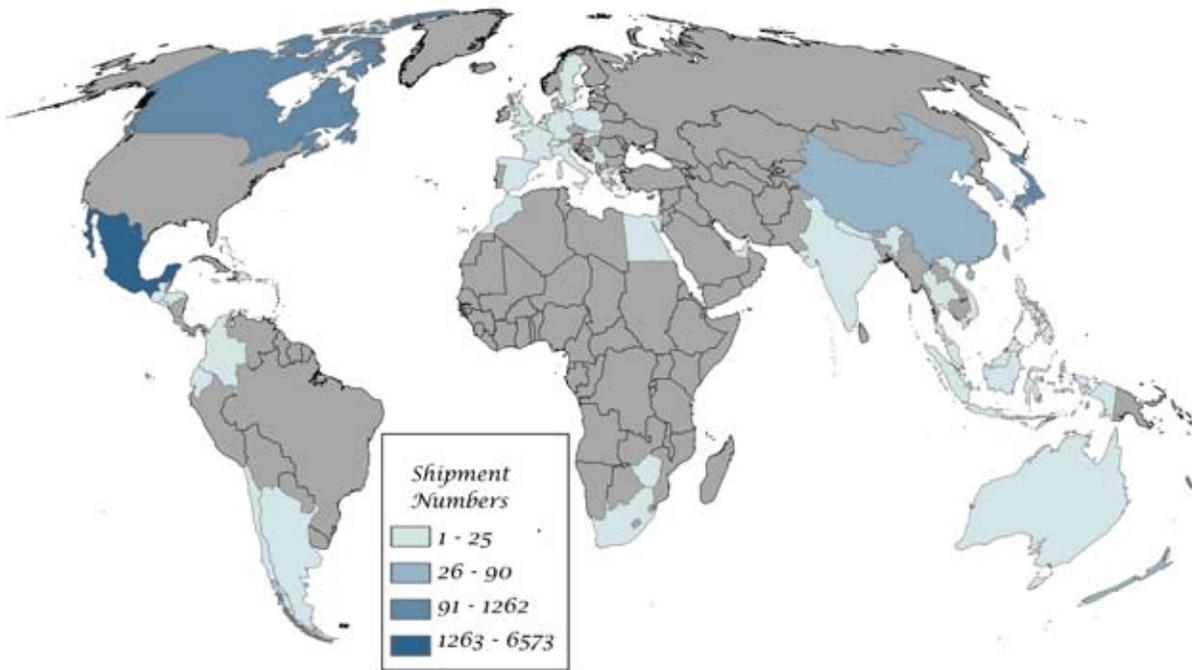
Top Ten Crops



Ten Year Comparison 2007 1997

| Crop | 2007 | 1997 |
|-----------------------------------|---------------|---------------|
| INDOOR FLOWERING & FOLIAGE PLANTS | \$322,339,342 | \$287,568,250 |
| ORNAMENTAL TREES & SHRUBS | \$321,830,298 | \$117,235,546 |
| BEDDING PLANTS | \$237,048,120 | \$131,282,000 |
| AVOCADOS | \$127,099,496 | \$121,917,547 |
| TOMATOES | \$88,061,693 | \$30,236,341 |
| CUT FLOWERS & FOLIAGE | \$60,204,650 | \$75,789,723 |
| EGGS | \$56,338,333 | \$65,430,713 |
| POINSETTIA | \$38,794,400 | \$10,598,542 |
| STRAWBERRIES | \$31,310,503 | \$9,337,488 |
| ORANGES, VALENCIA | \$26,891,110 | \$26,724,555 |

Our Trading Partners



55 Countries - 9220 Shipments

| | | | | | |
|--------------------|------|--------------------|------|----------------------|----|
| ARGENTINA | 4 | GUADELOUPE | 1 | PHILIPPINES | 3 |
| AUSTRALIA | 18 | GUAM | 3 | POLAND | 2 |
| BAHAMAS | 14 | GUATEMALA | 25 | PUERTO RICO | 90 |
| BARBADOS | 2 | HONDURAS | 2 | SAO TOME & PRINCIPE | 1 |
| BELGIUM | 1 | INDIA | 3 | SERBIA & MONTENEGRO | 1 |
| BERMUDA | 46 | INDONESIA | 2 | SINGAPORE | 17 |
| CANADA | 1262 | ISRAEL | 14 | SLOVAKIA | 1 |
| CHILE | 3 | ITALY | 9 | SOUTH AFRICA | 12 |
| CHINA | 76 | JAMAICA | 11 | SPAIN | 2 |
| COLOMBIA | 9 | JAPAN | 695 | SWEDEN | 1 |
| COSTA RICA | 43 | KOREA, REPUBLIC OF | 42 | SWITZERLAND | 3 |
| DENMARK | 4 | MALAYSIA | 4 | TAIWAN | 34 |
| DOMINICAN REPUBLIC | 11 | MEXICO | 6573 | THAILAND | 12 |
| ECUADOR | 2 | MOROCCO | 1 | TRINIDAD AND TOBAGO | 8 |
| EGYPT | 5 | NEPAL | 2 | UNITED ARAB EMIRATES | 2 |
| EL SALVADOR | 1 | NETHERLANDS | 11 | UNITED KINGDOM | 24 |
| FRANCE | 4 | NEW ZEALAND | 63 | VIETNAM | 12 |
| GERMANY | 20 | N. MARIANA ISLANDS | 5 | ZIMBAWE | 1 |
| GREECE | 3 | | | | |

Nursery & Flower Crops

2006 & 2007

Nursery Crops

| | YEAR | ACRES | TOTAL |
|---|------|-------|---------------|
| BEDDING PLANTS, COLOR | 2007 | 920 | \$237,048,120 |
| | 2006 | 885 | \$216,042,250 |
| BULBS, CORMS, RHIZOMES, ROOTS, TUBERS | 2007 | 165 | \$3,617,295 |
| | 2006 | 128 | \$2,368,990 |
| CACTI & SUCCULENTS | 2007 | 216 | \$17,489,088 |
| | 2006 | 205 | \$19,721,615 |
| CITRUS, AVOCADO, & SUBTROPICAL FRUIT TREES | 2007 | 235 | \$13,120,990 |
| | 2006 | 186 | \$8,355,120 |
| HERBACEOUS PERENNIALS | 2007 | 330 | \$19,414,890 |
| | 2006 | 300 | \$20,962,560 |
| INDOOR FLOWERING & FOLIAGE PLANTS | 2007 | 598 | \$322,339,342 |
| | 2006 | 500 | \$311,560,400 |
| ORNAMENTAL TREES & SHRUBS | 2007 | 3,502 | \$321,830,298 |
| | 2006 | 3,490 | \$288,020,450 |
| POINSETTIA | 2007 | 142 | \$38,794,400 |
| | 2006 | 142 | \$39,092,884 |
| TURF & CUT CHRISTMAS TREES | 2007 | 591 | \$8,602,005 |
| | 2006 | 667 | \$11,851,300 |
| TOTAL NURSERY PRODUCTS | 2007 | 6,699 | \$982,256,428 |
| | 2006 | 6,503 | \$917,975,569 |

Nursery & Flower Crops

2006 & 2007

Cut Flower & Foliage Crops

| | YEAR | ACRES | TOTAL |
|-------------------------------------|------|-------|-----------------|
| CARNATIONS | 2007 | 18 | \$756,450 |
| | 2006 | 18 | \$740,700 |
| LEPTOSPERMUM | 2007 | 332 | \$1,801,764 |
| | 2006 | 310 | \$1,554,650 |
| PROTEAS | 2007 | 500 | \$3,466,140 |
| | 2006 | 475 | \$3,233,010 |
| ROSES | 2007 | 16 | \$2,195,680 |
| | 2006 | 16 | \$2,097,460 |
| WAX FLOWERS | 2007 | 705 | \$4,722,090 |
| | 2006 | 670 | \$6,239,800 |
| OTHER CUT FLOWERS | 2007 | 856 | \$33,676,752 |
| | 2006 | 1,200 | \$49,257,000 |
| FOLIAGE | 2007 | 710 | \$13,585,774 |
| | 2006 | 680 | \$10,156,575 |
| <hr/> | | | |
| TOTAL FLOWER PRODUCTS | 2007 | 3,137 | \$60,204,650 |
| | 2006 | 3,369 | \$73,279,195 |
| <hr/> | | | |
| TOTAL NURSERY & CUT FLOWER PRODUCTS | 2007 | 9,836 | \$1,042,461,078 |
| | 2006 | 9,872 | \$991,254,764 |



Fruit & Nut Crops

2006 & 2007

| | YEAR | ACRES HARVESTED | TONS/ ACRE | TONS TOTAL | US \$/ TON | TOTAL |
|------------------|------|--------------------|---------------|---------------|---------------|---------------|
| APPLES | 2007 | 442 | 1.1 | 486 | 723 | \$351,523 |
| | 2006 | 434 | 1.7 | 738 | 489 | \$360,784 |
| TOTAL AVOCADOS | 2007 | 26,064 | | 67,002 | | \$127,099,496 |
| | 2006 | 26,012 | | 121,150 | | \$137,305,800 |
| HASS | 2007 | 24,208 | 2.7 | 65,362 | 1,910 | \$124,840,656 |
| | 2006 | 24,149 | 4.7 | 113,500 | 1,164 | \$132,114,000 |
| LAMB-HASS | 2007 | 995 | 1.0 | 995 | 1,812 | \$1,802,940 |
| | 2006 | 998 | 4.3 | 4,250 | 892 | \$3,791,000 |
| OTHER | 2007 | 861 | 0.8 | 646 | 706 | \$455,900 |
| | 2006 | 865 | 3.9 | 3,400 | 412 | \$1,400,800 |
| BERRIES, MISC. | 2007 | 127 | 9.4 | 1,194 | 4,350 | \$5,193,030 |
| | 2006 | 121 | 9.8 | 1,186 | 4,200 | \$4,980,360 |
| TOTAL CITRUS | 2007 | 14,464 | | 192,069 | | \$60,450,517 |
| | 2006 | 12,526 | | 169,857 | | \$34,501,544 |
| TOTAL GRAPEFRUIT | 2007 | 2,145 | 17.4 | 37,323 | | \$6,535,386 |
| | 2006 | 1,819 | 16.8 | 30,559 | | \$3,748,407 |
| FRESH MARKET | 2007 | 2,145 | 13.2 | 28,314 | 206 | \$5,832,684 |
| | 2006 | 1,819 | 12.9 | 23,465 | 141 | \$3,308,579 |
| BYPRODUCT | 2007 | | 4.2 | 9,009 | 78 | \$702,702 |
| | 2006 | | 3.9 | 7,094 | 62 | \$439,828 |
| KUMQUATS | 2007 | 224 | 3.0 | 672 | 1,764 | \$1,185,408 |
| | 2006 | 196 | 2.5 | 490 | 1,533 | \$751,170 |
| TOTAL LEMONS | 2007 | 3,743 | 12.8 | 47,910 | | \$17,852,613 |
| | 2006 | 3,207 | 15.6 | 50,193 | | \$10,577,360 |
| FRESH MARKET | 2007 | 3,743 | 8.6 | 32,190 | 496 | \$15,966,141 |
| | 2006 | 3,207 | 10.1 | 32,391 | 265 | \$8,583,536 |
| BYPRODUCT | 2007 | | 4.2 | 15,721 | 120 | \$1,886,472 |
| | 2006 | | 5.6 | 17,802 | 112 | \$1,993,824 |
| TOTAL LIMES | 2007 | 351 | 10.8 | 3,791 | | \$1,079,430 |
| | 2006 | 304 | 9.1 | 2,766 | | \$597,956 |
| FRESH MARKET | 2007 | 351 | 6.9 | 2,422 | 405 | \$980,870 |
| | 2006 | 304 | 5.8 | 1,763 | 305 | \$537,776 |
| BYPRODUCT | 2007 | | 3.9 | 1,369 | 72 | \$98,561 |
| | 2006 | | 3.3 | 1,003 | 60 | \$60,180 |

Fruit & Nut Crops

2006 & 2007

| | YEAR | ACRES HARVESTED | TONS/ ACRE | TONS TOTAL | US \$/ TON | TOTAL |
|----------------------------|------|--------------------|---------------|---------------|---------------|---------------|
| TOTAL ORANGES, NAVEL | 2007 | 1,420 | 10.6 | 15,052 | | \$3,721,820 |
| | 2006 | 1,073 | 9.7 | 10,409 | | \$2,620,882 |
| FRESH MARKET | 2007 | 1,420 | 7.1 | 10,082 | 310 | \$3,125,420 |
| | 2006 | 1,073 | 6.6 | 7,082 | 317 | \$2,244,931 |
| BYPRODUCT | 2007 | | 3.5 | 4,970 | 120 | \$596,400 |
| | 2006 | | 3.1 | 3,327 | 113 | \$375,951 |
| TOTAL ORANGES, VALENCIA | 2007 | 5,632 | 15.4 | 86,733 | | \$26,891,110 |
| | 2006 | 5,237 | 11.9 | 62,320 | | \$13,453,864 |
| FRESH MARKET | 2007 | 5,632 | 11.3 | 63,642 | 379 | \$24,120,166 |
| | 2006 | 5,237 | 7.2 | 37,706 | 285 | \$10,746,324 |
| BYPRODUCT | 2007 | | 4.1 | 23,091 | 120 | \$2,770,944 |
| | 2006 | | 4.7 | 24,614 | 110 | \$2,707,540 |
| TOTAL TANGERINES, TANGELOS | 2007 | 949 | 14.3 | 13,571 | | \$3,184,749 |
| | 2006 | 690 | 16.3 | 11,237 | | \$2,751,905 |
| FRESH MARKET | 2007 | 949 | 10.7 | 10,154 | 281 | \$2,853,358 |
| | 2006 | 690 | 12.0 | 8,280 | 302 | \$2,500,560 |
| BYPRODUCT | 2007 | | 3.6 | 3,416 | 97 | \$331,391 |
| | 2006 | | 4.3 | 2,957 | 85 | \$251,345 |
| GRAPES, WINE | 2007 | 328 | 1.9 | 623 | 995 | \$620,084 |
| | 2006 | 309 | 2.1 | 649 | 798 | \$517,822 |
| MACADAMIA NUTS | 2007 | 61 | 0.9 | 55 | 3,458 | \$189,844 |
| | 2006 | 128 | 1.5 | 192 | 1,783 | \$342,336 |
| MISC FRUIT & NUTS* | 2007 | 538 | | | | \$4,298,620 |
| | 2006 | 566 | | | | \$4,250,471 |
| PERSIMMONS | 2007 | 420 | 6.1 | 2,562 | 643 | \$1,647,366 |
| | 2006 | 383 | 5.9 | 2,260 | 560 | \$1,265,432 |
| TOTAL STRAWBERRIES | 2007 | 863 | 34.7 | 29,946 | | \$31,310,503 |
| | 2006 | 874 | 29.5 | 25,783 | | \$36,800,756 |
| FRESH MARKET | 2007 | 863 | 20.2 | 17,433 | 1,430 | \$24,928,618 |
| | 2006 | 874 | 18.4 | 16,082 | 2,000 | \$32,163,200 |
| PROCESSING | 2007 | | 14.5 | 12,514 | 510 | \$6,381,885 |
| | 2006 | | 11.1 | 9,702 | 478 | \$4,637,556 |
| TOTAL FRUIT & NUTS | 2007 | 43,307 | | | | \$231,160,982 |
| | 2006 | 41,353 | | | | \$220,325,305 |

* INCLUDES APRICOTS, CHERIMOYAS, GUAVAS, PEACHES, PEARS, WALNUTS AND OTHERS.



Vegetable Crops

2006 & 2007

| | YEAR | ACRES HARVESTED | TONS/ ACRE | TONS TOTAL | US \$/ TON | TOTAL |
|-------------------------|-------------|-----------------|------------|------------|------------|----------------------|
| BEANS, SNAP | 2007 | 296 | 7.2 | 2,131 | 1,404 | \$2,992,205 |
| | 2006 | 524 | 5.8 | 3,039 | 1,372 | \$4,169,782 |
| BUNCH VEG.* | 2007 | 583 | | | | \$4,908,568 |
| | 2006 | 465 | | | | \$3,385,600 |
| CORN, SWEET | 2007 | 176 | 7.8 | 1,373 | 656 | \$900,557 |
| | 2006 | 256 | 7.5 | 1,920 | 505 | \$969,600 |
| CUCUMBERS | 2007 | 347 | 16.8 | 5,830 | 780 | \$4,547,088 |
| | 2006 | 386 | 17.0 | 6,562 | 650 | \$4,265,300 |
| HERBS | 2007 | 359 | 18.2 | 6,534 | 2,602 | \$17,000,948 |
| | 2006 | 466 | 18.3 | 8,528 | 2,578 | \$21,984,668 |
| LETTUCE | 2007 | 590 | 10.8 | 6,372 | 600 | \$3,823,200 |
| | 2006 | 433 | 12.9 | 5,586 | 575 | \$3,211,778 |
| MELONS | 2007 | 144 | 4.5 | 648 | 430 | \$278,640 |
| | 2006 | 108 | 4.7 | 508 | 324 | \$164,462 |
| MUSHROOMS | 2007 | 19 | 170.0 | 3,230 | 3,155 | \$10,190,650 |
| | 2006 | 22 | 262.0 | 5,764 | 4,096 | \$23,609,344 |
| ORIENTAL VEG.** | 2007 | 61 | | | | \$585,710 |
| | 2006 | 94 | | | | \$467,293 |
| PEPPERS | 2007 | 154 | 18.2 | 2,803 | 688 | \$1,928,326 |
| | 2006 | 248 | 17.9 | 4,439 | 630 | \$2,796,696 |
| POTATOES | 2007 | 603 | 16.5 | 9,950 | 200 | \$1,989,900 |
| | 2006 | 523 | 20.1 | 10,512 | 146 | \$1,534,796 |
| SQUASH | 2007 | 355 | 10.8 | 3,834 | 652 | \$2,499,768 |
| | 2006 | 215 | 10.3 | 2,215 | 472 | \$1,045,244 |
| TOMATOES | 2007 | 2,313 | 48.5 | 112,181 | 785 | \$88,061,693 |
| | 2006 | 2,318 | 42.6 | 98,747 | 895 | \$88,378,386 |
| MISC VEG.*** | 2007 | 888 | | | | \$19,842,360 |
| | 2006 | 719 | | | | \$17,523,500 |
| TOTAL VEGETABLES | 2007 | 6,888 | | | | \$159,549,612 |
| | 2006 | 6,777 | | | | \$173,506,449 |

* COLLARDS, GREEN ONIONS, MUSTARD & TURNIP GREENS, PARSLEY, RADISHES, AND SPINACH
 ** BAMBOO SHOOTS, BOK CHOY, CHINESE GREENS, DAIKON, GAI CHOY, GAI LON AND SNAP PEAS
 *** CAULIFLOWER, CELERY, CHAYOTE, PUMPKINS, SWEET POTATOS, TOMATILLOS, AND OTHERS

Field & Specialty Crops

2006 & 2007

| | YEAR | ACRES HARVESTED | TONS/ ACRE | TONS TOTAL | US \$/ TON | TOTAL |
|------------------------------|-------------|--------------------|---------------|---------------|---------------|--------------------|
| BARLEY, GRAIN | 2007 | 900 | 1.2 | 1,080 | 148.00 | \$159,840 |
| | 2006 | 1,800 | 0.9 | 1,620 | 138.00 | \$223,560 |
| GREENCHOP | 2007 | 85 | 21.5 | 1,828 | 27.20 | \$49,708 |
| | 2006 | 101 | 20.8 | 2,101 | 27.16 | \$57,058 |
| HAY, OAT | 2007 | 1,000 | 1.2 | 1,200 | 71.00 | \$85,200 |
| | 2006 | 2,000 | 1.1 | 2,200 | 68.00 | \$149,600 |
| OAT, GRAIN | 2007 | 275 | 0.1 | 28 | 140.00 | \$3,850 |
| | 2006 | 395 | 0.2 | 59 | 101.00 | \$5,984 |
| PASTURE, IRRIGATED | 2007 | 1,905 | | | 1,880.00 | \$3,581,400 |
| | 2006 | 2,198 | | | 1,862.00 | \$4,092,676 |
| RANGE | 2007 | 241,882 | | | 5.80 | \$1,402,916 |
| | 2006 | 248,072 | | | 5.37 | \$1,332,147 |
| SILAGE | 2007 | 40 | 14.7 | 588 | 27.50 | \$16,170 |
| | 2006 | 53 | 15.0 | 795 | 27.15 | \$21,584 |
| TOTAL FIELD CROPS | 2007 | 246,087 | | | | \$5,299,084 |
| | 2006 | 254,619 | | | | \$5,882,609 |
| HONEY | 2007 | | | | | \$2,206,236 |
| | 2006 | | | | | \$2,372,297 |
| BEES WAX | 2007 | | | | | \$54,222 |
| | 2006 | | | | | \$58,937 |
| BEES & QUEENS | 2007 | | | | | \$166,889 |
| | 2006 | | | | | \$179,450 |
| POLLEN | 2007 | | | | | \$84,971 |
| | 2006 | | | | | \$90,400 |
| POLLINATION | 2007 | | | | | \$911,550 |
| | 2006 | | | | | \$1,399,125 |
| TOTAL APIARY | 2007 | | | | | \$3,423,868 |
| | 2006 | | | | | \$4,100,209 |
| TIMBER | 2007 | | | | | \$170,000 |
| | 2006 | | | | | \$190,000 |
| FIREWOOD | 2007 | | | | | \$579,310 |
| | 2006 | | | | | \$775,000 |
| TOTAL TIMBER PRODUCTS | 2007 | | | | | \$749,310 |
| | 2006 | | | | | \$965,000 |



Livestock & Poultry

2006 & 2007

| | YEAR | NUMBER OF HEAD | TOTAL CWT* | US \$/CWT | TOTAL |
|---------------------------|------|----------------|------------|-----------|--------------|
| CATTLE AND CALVES | 2007 | 21,000 | 157,500 | \$125.00 | \$19,687,500 |
| | 2006 | 22,000 | 165,000 | \$92.00 | \$15,180,000 |
| HOGS AND PIGS | 2007 | 1,300 | 3,250 | \$48.80 | \$158,600 |
| | 2006 | 1,230 | 3,075 | \$47.90 | \$147,293 |
| CHICKENS | 2007 | 557,500 | 22,300 | \$20.00 | \$446,000 |
| | 2006 | 774,703 | 27,889 | \$15.00 | \$418,335 |
| RATITE TOTAL | 2007 | | | | \$118,000 |
| | 2006 | | | | \$293,500 |
| CHICKS | 2007 | 550 | | \$110.00 | \$60,500 |
| | 2006 | 900 | | \$90.00 | \$81,000 |
| MEAT | 2007 | 10,000 lbs | | \$5.75 | \$57,500 |
| | 2006 | 50,000 lbs | | \$4.25 | \$212,500 |
| LAMBS AND SHEEP | 2007 | 573 | 573 | \$90.50 | \$51,857 |
| | 2006 | 550 | 550 | \$84.00 | \$46,200 |
| TOTAL LIVESTOCK & POULTRY | 2007 | 580,923 | | | \$20,461,957 |
| | 2006 | **799,383 | | | \$16,087,533 |

Livestock & Poultry Products

2006 & 2007

| | YEAR | NUMBER | TOTAL CWT | US \$/UNIT | TOTAL |
|------------------------------------|------|---------------|-----------|------------|--------------|
| MILK, MARKET | 2007 | | 840,718 | \$18.67 | \$15,699,000 |
| | 2006 | | 849,014 | \$11.70 | \$9,933,464 |
| EGGS, CHICKEN MARKET | 2007 | 64,020,833 DZ | | \$0.88 | \$56,338,333 |
| | 2006 | 67,400,792 DZ | | \$0.54 | \$36,396,428 |
| RATITE PRODUCTS TOTAL | 2007 | | | | \$1,286,750 |
| | 2006 | | | | \$3,213,500 |
| HIDES | 2007 | 50 | | \$135.00 | \$6,750 |
| | 2006 | 100 | | \$135.00 | \$13,500 |
| OIL | 2007 | 1,000 GAL | | \$1,280.00 | \$1,280,000 |
| | 2006 | 2,500 GAL | | \$1,280.00 | \$3,200,000 |
| TOTAL LIVESTOCK & POULTRY PRODUCTS | 2007 | | | | \$73,324,083 |
| | 2006 | | | | \$49,543,392 |

* CWT = A UNIT OF WEIGHT MEASUREMENT CREATED BY U.S. MERCHANTS IN THE LATE 1800'S. A HUNDREDTH WEIGHT IS EQUAL TO 100 POUNDS.
 ** 2006 VALUE WAS REVISED TO REFLECT ACCURATE COUNT.

2007 - A Year of Challenge

We San Diegans are accustomed to near perfect weather and a climate considered optimal for growing a variety of crops. However, idyllic calm gave way to crisis not once, but twice in 2007 as first a freeze and then a firestorm left scars on the agricultural landscape of San Diego County.

In January 2007, normally temperate San Diego temperatures dropped so low that new records were set throughout the county. Temperatures remained below freezing for days, dropping at one point to a frigid 16° F. On January 18, County Agricultural Commissioner Bob Atkins sent a request to the Governor's Office of Emergency Services for a state of emergency proclamation. This proclamation started the process to provide financial assistance to affected eligible growers in the county. On January 19, the Governor responded by issuing a state of emergency proclamation for many California counties including San Diego.

| Freeze Damage Starting January 13, 2007 | | |
|---|---------------|-----------------------|
| Commodity | Acres Damaged | Estimated Dollar Loss |
| Avocado | 26,327 | \$37,742,387 |
| Grapefruit | 2,405 | \$1,570,249 |
| Guava | 210 | \$1,376,250 |
| Herbs | 317 | \$5,023,498 |
| Lemon | 3,400 | \$6,328,080 |
| Limes | 425 | \$316,158 |
| Nursery-Cut | 3,640 | \$9,941,175 |
| Nursery-Outdoor | 4,322 | \$44,096,370 |
| Orange | 6,649 | \$3,690,131 |
| Strawberries | 679 | \$4,660,263 |
| Total | | \$114,744,561 |

The next step in the process of providing the opportunity for financial assistance to affected growers was to assess the amount of agricultural damage. This proved to be a daunting task given the varied topography, wide variety of crops grown, and the number of small farms in San Diego County. After talking to local farmers and packers, the Agricultural Commissioner estimated a collective crop loss value of over \$114 million for the county. In March, due to the significant amount of loss, President Bush, as well as the Secretary of Agriculture, declared the freeze a disaster thereby opening the way federal assistance.

Unfortunately for San Diego County farmers, another catastrophic event occurred in 2007. In October, several wildfires burned uncontrolled through San Diego County. Three of the fires greatly affected agriculture: The Witch Creek, the Rice Canyon and the Poomacha Fires roared through agricultural areas of north San Diego County. Unfortunately for some growers, trees recovering from the frost damage were hit again by the devastating fires. Once again, San Diego County was declared a disaster area. The Department of Agriculture, Weights and Measures organized Fire Assessment Teams to inspect the agriculture on every road in the burned areas and compile damage assessment figures. Although the long term effects of the fires may not be apparent for several growing seasons, agricultural losses were estimated at \$55 million dollars.

| Fire Damage Starting October 21, 2007 | | |
|---------------------------------------|---------------|-----------------------|
| Commodity | Acres Damaged | Estimated Dollar Loss |
| Avocado | 1722 | \$24,121,347 |
| Fruit (Misc) | 18 | \$70,370 |
| Grapefruit | 70 | \$307,002 |
| Guavas | 20 | \$281,678 |
| Nursery-Xmas Tree | 9 | \$92,184 |
| Nursery-Indoor | 5 | \$2,149,890 |
| Nursery-Outdoor | 185 | \$7,258,291 |
| Nursery-Cut Flowers | 429 | \$9,756,058 |
| Lemon | 140 | \$1,600,118 |
| Orange | 49 | \$191,117 |
| Persimmon | 13 | \$149,385 |
| Vegetables (Misc) | 43 | \$32,347 |
| Poultry/Eggs | | \$1,150,500 |
| Rangeland | 6190 | \$37,140 |
| Noncrop Losses | | \$8,508,250 |
| Total | | \$55,705,676 |

Other activities undertaken during by this department during the firestorms included the County Veterinarian dispensing critical information on livestock disposal and the care and feeding of livestock. In support of the County's efforts to provide assistance to the residents affected by the fires, personnel staffed an informational desk at each of the County's Local Assistance Centers. At these centers, personnel collected agricultural damage information, provided erosion control advice, disseminated informational brochures from state and federal agricultural agencies, and generally assisted growers. To address potential erosion control concerns during subsequent winter rains, AWM packaged 20 tons of a seed mixture designed for homeowners that would rapidly germinate and become established in the fire damaged landscapes around residences.

Today, many growers continue to recover from the freeze and/or the fires. In spite of these dramatic obstacles, local farmers show themselves to be resilient. Congratulations to San Diego Farmers for producing the largest San Diego County crop value on record.

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. Organic farming practices also aid in creating sustainable agriculture.

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

Invasive Weed Control Activities

| <i>Weed</i> | <i>Rating</i> | <i>Removal Methods</i> | <i>Scope of Treatment</i> |
|---|---------------|----------------------------|---------------------------|
| Spotted Knapweed <i>Centaurea biebersteinii</i> | A | Herbicides Hand Removal | 2 Sites, 10.3 Acres |
| Purple Loosestrife <i>Lythrum salicaria</i> | B | Herbicides Hand Removal | 2 Sites, 0.3 Acres |
| Perennial Pepperweed <i>Lepidium latifolium</i> | B | Herbicides Hand Removal | 10 Sites, 43.9 Acres |
| Tamarisk <i>Tamarix ramosissima</i> | B | Herbicides | 1 Site, 22 Acres |
| Cape Ivy <i>Delairea odorata</i> | C | Herbicides | 1 Site, 0.3 Acres |
| Yellow Starthistle <i>Centaurea solstitialis</i> | C | Herbicides Hand Removal | 6 Sites, 12.9 Acres |

Organic Farming

San Diego County is at the forefront of organic farming with 292 registered organic producers. In 2007, San Diego organic growers produced over 150 different crops, from the usual such as oranges and avocados to the unusual such as jujubes.

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. It is based on minimal use of off-farm inputs and on management practices that restore, maintain and enhance ecological harmony."

San Diego County's Top Ten Organically Produced Crops

| <u>CROP</u> | <u>ACRES</u> | <u>CROP</u> | <u>ACRES</u> |
|-----------------------|--------------|---------------|--------------|
| 1 ORANGES | 1189 | 6 CHARD | 133 |
| 2 AVOCADOS | 1180 | 7 CUCUMBERS | 66 |
| 3 LEMONS | 675 | 8 RADICCHIO | 62 |
| 4 GRAPEFRUIT | 405 | 9 BEANS | 59 |
| 5 TANGELOS/TANGERINES | 256 | 10 PERSIMMONS | 55 |

Sustainable Agriculture

High-Risk Pest Exclusion Inspections

Shipments of plants and produce enter our county by the dozens every day. Whether they arrive by air, sea or land, each shipment must be inspected for destructive pests and diseases before it may be sold to our residents.

| | |
|------------------------------------|-------------|
| AIR FREIGHT INSPECTIONS: | 418 |
| SEA FREIGHT INSPECTIONS: | 398 |
| TRUCK FREIGHT INSPECTIONS: | 2742 |
| TOTAL INCOMING INSPECTIONS: | 3558 |

| <i>Scientific Name</i> | <i>Common Name</i> | <i>Pest Rating</i> | <i># Finds</i> |
|-----------------------------------|----------------------------|--------------------|----------------|
| <i>Anastrepha ludens</i> | Mexican Fruit Fly | A | 5 |
| <i>Aulacaspis yasumatsui</i> | Cycad Aulacaspis Scale | A | 10 |
| <i>Bactrocera oleae</i> | Olive Fruit Fly | A | 2 |
| <i>Ceroplastes rusci</i> | Fig Wax Scale | A | 2 |
| <i>Diaprepes abbreviatus</i> | Diaprepes Root Weevil | A | *4 |
| <i>Pinnaspis strachani</i> | Lesser Snow Scale | A | 10 |
| <i>Pseudaulacaspis cockerelli</i> | Magnolia White Scale | A | 191 |
| <i>Pseudaulacaspis pentagona</i> | White Peach Scale | A | 3 |
| <i>Rotylenchulus reniformis</i> | Reniform Nematode | A | 2 |
| <i>Solenopsis invicta</i> | Red Imported Fire Ant | A | 1 |
| <i>Stomacoccus platani</i> | Sycamore Scale | A | 1 |
| <i>Various Snails</i> | Multiple Species | A | 6 |
| <i>Abgrallaspis diaspidiotus</i> | Armored Scale | Q | 2 |
| <i>Aleurodicus dispersus</i> | Spiraling White Fly | Q | 1 |
| <i>Carausius morosus</i> | Indian Walking Stick | Q | 2 |
| <i>Chrysophtharta m-fuscum</i> | Eucalyptus Leaf Beetle | Q | 6 |
| <i>Diploptera punctata</i> | Pacific Beetle Cockroach | Q | 1 |
| <i>Disclisioprocta stellata</i> | Bougainvillea Looper | Q | 1 |
| <i>Euphyllura olivina</i> | Olive Psyllid | Q | 5 |
| <i>Geococcus coffeae</i> | Soil Mealybug | Q | 12 |
| <i>Halyomorpha halys</i> | Brown Marmorated Stink Bug | Q | 1 |
| <i>Klambothrips myopori</i> | Myoporum Thrips | Q | 26 |
| <i>Lepidoptera pyralidae</i> | Indian Meal Moth | Q | 2 |
| <i>Palmicultor lumpurensis</i> | Bamboo Mealybug | Q | 1 |
| <i>Puccinia horiana</i> | Chrysanthemum White Rust | Q | 2 |
| <i>Ripersiella hibisci</i> | Root Mealybug | Q | 7 |
| <i>Uromyces transversalis</i> | Gladiolus Rust | Q | 37 |
| <i>Veronicella sp.</i> | Veronicella Slug | Q | 2 |
| <i>Zachyrsia provisoria</i> | Cuban Land Snail | Q | 9 |
| <i>Various Insects</i> | Multiple Species | Q | 10 |

* IN 2007, 60 SQUARE MILES OF SAN DIEGO COUNTY WERE UNDER QUARANTINE FOR DIAPREPES ROOT WEEVIL. THIS NUMBER REFLECTS SPECIMENS FOUND ON INCOMING SHIPMENTS AND DOES NOT INCLUDE SPECIMENS DISCOVERED IN QUARANTINE AREAS.





Programs & Services Annual Report

Pest Detection is a critical component of the statewide pest prevention network, providing an early warning system designed to detect the introduction and prevent the establishment of harmful insect pests such as fruit flies, Japanese beetle, and Gypsy moth. Highlights for 2007:

- Five Mexican fruit flies detected two weeks after Firestorm 2007.
- 245,000 trap inspections conducted.

Pesticide Regulation is responsible for the implementation of state and federal pesticide laws and regulations. Inspections, investigations, and permits ensure pesticides are used in a responsible manner that protects the environment, the public and the employees of businesses that handle pesticides. Highlights for 2007:

- Posted a synopsis of the new Respiratory Protection Regulation requirements on our website along with a template that meets the requirements of the written program.
- Conducted the first of a series of outreach presentations to urban property managers, focusing on the requirement to provide information to tenants about impending pesticide applications.
- Reduced the number of days between violation occurrence and mailing notices of proposed action to an average 45 to 55 days, down from 180 days in FY 05/06.
- Presented six Fieldworker Training sessions in Spanish at various locations throughout the county to help growers ensure worker safety.

Agricultural Water Quality carries out the requirements of the County's Stormwater Permit, issued by the San Diego Regional Water Quality Control Board (RWQCB) and provides hazardous materials information for first responders and citizens. Education, outreach, inspections and investigations are aimed at reducing contaminants in local waterways. Inspections focus on "high priority commercial facilities," including nurseries, greenhouses, agricultural and structural pest control businesses, and equestrian facilities. Highlights for 2007:

- Represented the department on three advisory committees: the Ag Waiver Stakeholder Advisory Committee, Santa Margarita Watershed Grant Technical Advisory Committee, and the Rainbow Creek Nutrient Reduction Management Plan Stakeholder Advisory Committee.
- Developed a new agricultural facilities inspection form, condensing three forms into one and making it more relevant and easier to understand.
- Presented agricultural stormwater compliance information at ten venues.

Integrated Pest Control performs eradication and control of invasive weeds such as spotted knapweed, tamarisk, and perennial pepperweed. Other activities include rodent bait production and weed control on roadsides, airports, flood control channels, sewage treatment plants and inactive landfills. Highlights for 2007:

- 3,208 acres of weed control performed on County roadsides and airports.
- 151 County-operated facilities received structural pest control.
- 20,979 pounds of rodent bait manufactured.

Programs & Services Annual Report

Civil Actions serves as an advocate at hearings for violations found by inspectors in all programs. 508 Cases were completed in 2007 in the following categories:

- Certified Farmers' Market Actions: 7
- Standards Enforcement Actions: 286
- Agricultural Pesticides Actions: 151
- Structural Pesticides Actions: 62
- Quarantine Actions: 2

Plant Health and Pest Prevention program encompasses five service areas, aimed at preventing new pests from entering the County.

Nursery/Seed Program performs annual inspections of nurseries throughout the county and ensures proper licensing. These local inspections assist the horticultural industry with early detection of pests and disease, while protecting the local environment.

Pierce's Disease Control Program protects California's second largest crop, grapes, from the glassy-winged sharp shooter, the insect responsible for transmitting Pierce's Disease.

Sudden Oak Death Program works in a cooperative effort with state and federal officials to detect Phytophthora ramorum, a pest that causes death in oaks and more than 200 other plants.

Agricultural Export Services ensures San Diego's outgoing agricultural products meet the plant cleanliness requirements of the importing country, state or county.

High Risk Pest Exclusion Program inspects shipments of produce and plants coming into San Diego County from other countries and states. Shipments are considered "high risk" when originating in areas infested with actionable pests. Highlights for these programs for 2007:

- 8,771 acres of nursery stock inspected at 926 production facilities.
- 28 new nurseries licensed.
- 1,385 outgoing plant shipments certified as free of Glassy-winged sharpshooter.
- 3,401 shipments of incoming plant material inspected & 66 exotic noxious pests intercepted.
- 18,798 shipments of agricultural commodities certified for export to 59 countries & 22 states.
- 308 nurseries comprising 5,066 acres inspected for Sudden Oak Death, one positive find requiring 65 trace forwards.

Standards Enforcement conducts consumer protection regulatory work by checking weighing and measuring devices, price verification of scanners, certified farmers' markets, organic farming, and fruit, vegetable and shell egg quality. Highlights for 2007:

- Over 35,000 weighing and measuring devices (scales, gas pumps, utility sub-meters, taximeters, etc.) inspected, providing assurance of accuracy to both purchasers and sellers in transactions based upon weight, measure, or count. 91% of commercial scales and meters inspected were in compliance.
- 25 active farmers' markets in San Diego County and 149 local growers certified.
- 292 growers registered as organic in San Diego County, the largest community of organic growers in the country.
- 212 wholesale and production egg facilities inspected for quality.
- 442 consumer complaints about commercial meters, petroleum and price overcharges investigated.





Programs & Services Annual Report

Environmental Services prepares crop statistics, documents agricultural losses and provides agricultural information to land use projects involving agricultural lands. Special projects include community outreach and media relations.

The County Veterinarian operates the only County-run animal disease diagnostic laboratory in the State, as well as the Entomology and Plant Pathology laboratories. Their services are critical for rapid insect and plant disease identification and minimizing new pest infestations.

The San Diego Animal Disease Diagnostic Laboratory (ADDL) examines specimens from domestic animals and wildlife for pathogens affecting animals and diseases transmissible to humans, including rabies, plague, West Nile Virus, Newcastle disease, E. coli, and Avian Influenza. Highlights for 2007:

- 3,686 necropsies and other tests were performed, comprising 1,032 domestic dogs, 490 domestic cats, 1,193 birds, 72 livestock, 40 equines, 519 wildlife, 32 fish/reptiles/amphibians, 176 tick group tests and 836 rabies tests.
- The Plant Pathology lab processed 9,807 samples. Significant finds included chrysanthemum white rust, gladiolus rust, and burrowing nematode.
- The Entomology Lab processed 4,435 samples and handled 492 bee calls. Significant finds included olive psyllid, red imported fire ant, magnolia white scale, fig wax scale, bamboo mealybug, and Diaprepes root weevil.

Contact Us

Main Phone: (858)694-8988
 Website: www.sdcawm.org
 Email: sdcawm@sdcounty.ca.gov

| <i>Program</i> | <i>Services</i> | <i>Number</i> |
|--------------------------------|---|--------------------------------|
| Agricultural Water Quality | Stormwater; agricultural hazardous material storage | (858) 694-8980 |
| Entomology | Insect identification; apiary registration; pest surveys | (858)694-3076 |
| Environmental Services | Crop statistics; land use issues; public information | (858)694-2775 |
| Integrated Pest Control | Invasive weed control; rodent bait production; Integrated Pest Management | (858)694-4209 |
| Plant Health & Pest Prevention | Licenses to sell nursery products, flowers & foliage; Phytosanitary certificates; quarantine compliance certificates; incoming shipments; nursery inspections; glassy-winged sharpshooter; sudden oak death | (760)752-4700 |
| | Inspection Request Line | (760)752-4713 |
| Pest Detection | Exotic insect trapping/eradication | (858)694-4209 (800)300-TRAP |
| Pesticide Regulation | Voluntary compliance inspections; registration; operator identification numbers; pesticide use reporting; restricted materials permits; employee pesticide training requirements; pesticide complaints | (858)694-2753 |
| Plant Pathology | Plant disease diagnostic services; plant disease surveys | (858)694-2753 |
| Standards Enforcement | Certified farmers' markets; certified producer certificates; organic handler/producer; egg producer/handler; scanner registration; commercial weighing & measuring devices; device serviceperson; weighmaster | (858)694-2778 |
| Veterinarian | Animal necropsies and associated lab services; wildlife damage complaints | (858)694-2838 |

Department Personnel

Robert G. Atkins, Agricultural Commissioner/ Sealer of Weights and Measures

Hilton, Renee-Assistant Director

Bradburn, Donald -Deputy Director

Gurfield, Nikos-County Veterinarian

Byers, Jim -Deputy Sealer

Leondis, Lisa -Deputy Commissioner

Nielsen, Dawn -Deputy Commissioner

Dang, Ha-Deputy Commissioner

Neville, Cathy -Deputy Commissioner

Schaer, Candy-Deputy Commissioner

Agricultural/Standards Supervising Inspectors

Appel, Nancy

Davis, Cynthia

Mares, Marco

Redding, Stasi

Bixby, Clark

Dobbins, Katherine

Melvin, Karen

Williams, Rick

Brandon, Delores

Hardy, Simone

Agricultural/Standards Inspectors

Acosta, Vincent

Carr, Colleen

Fritz, David

Matsumoto, Takeshi

Parker, Lynn

Stevens, Mazen

Agnes Jr, Sulpicio

Connelly, Neil

Ghebretensea, Kahsai

McCutcheon, Florence

Partch, Jeremy

Syzonenko, Nancy

Amador, Abdel

Deguzman, Janice

Gordon, Carolyn

McNair, Narriman

Porter, John

Terhall, Gregory

Anzaldo-Heredia, Veronica

Delaval, Robert

Goss, Nicole

Metcalf Jr, Ralph

Rodriguez, Vicente

Walsh, Rick

Arriaga, Jose

Deneau, Louis

Guidry, Lee

Milam, Marcia

Roma, Robert

Wann, Ryan

Avina, Tony

Desserich, Steve

Holbrook, Timothy

Moore, Megan

Sapp, Jason

Westrick, Jeffery

Bacon, Warren

Dewall, Paula

Javed, Saiqa

Moreno, Lauren

Shiple, Bradley

Winans, Bill

Berniker, Lily

Elder, Travis

Jensen, Jaime

Moss, Adrienne

Silva, Annie

Worcester, Lindsay

Betschart, Chris

Estrella, Dinna

Kebede, Atlaw

Olivares, Jorge

Silva, Nestor

Wube, Muluneh

Bloomer, Thomas

Fanelli, Joseph

Lyles, Mark

Olsen, Theodore

Sixtus, Ann

Wynn, James

Braaten, Glenn

Farhoomand, Manige

Macgregor, Robert

Ong, Quang

Springer, Kathryn

Bryant, Robert

Feeley, Michael

Pest Management Technicians

Cadena, Paul

Graves, Walter

Daly, James

Martinez, Mark

Gardner, Bruce

Wood, Raymond

Civil Actions

Giove, Michael - Legal Asst II

Lorang, Sally -Civil Actions Invest

Administration

Allen, Veronica -Admin Analyst II

Marshall, Marilyn -Office Suppt Spec

Aragaki, Susan - Pncpl Admin Analyst

Myers, Robin -Office Asst

Belenzo, Armando-Accting Tech

Powell, Marcia -Admin Secretary IV

Bilog, Gemma-Sr Office Asst

Raymond, Suzanne -Office Asst

Burton, Areleous-Office Asst

Roughton, Mark -Sr Office Asst

Chin, Shirley -Sr Dept Pers Off

Rushton, Belinda -Human Res Asst

Espiritu, Erlinda-Pchsing Clerk

Taylor, John-GIS Analyst

Foronas, Aida -Sr Accountant

Thomas, Thankamma -Office Asst

Goff, Linda -Admin Trainee

Trost, Jacqueline -Office Asst

Johnson, Michelle-Office Asst

Uchima, Liane-Admin Secretary

Joseph, Sabumon-Office Asst

Woods, Daneen -Sr Office Asst

Keon, Elyse -Office Support Spec

Animal Disease Diagnostic Laboratory

Barbour, Daniel -Animal Care Att

Jones, George - Apiary Spec

Brewer, Karin -Reg Vet Tech

Kellum, David-Agricultural Scientist

Creek, Jean -Sr Dis Rsch Sci

LaFranco, Lisa-Vet Pathologist

Diaz, Evelyn -Sr Histology Tech

Lim, Arleen -Disease Rsch Sci

Doggett, Deborah -Dis Rsch Sci

Mahoney, Kerry -Vet Pathologist

Dunne, Gundula -Vet Pathologist

Nolan, Patricia -Agricultural Scientist

Ellis, Tracy-Agricultural Scientist

Rickman, Barry -Vet Pathologist

Grewal, Saran-Ag Scientist

Shannon, Cynthia -Dis Resch Sci

Harrod, Mike - Vet Pathologist

Silber, Alexandra-Vet Pathologist

Jaworski, Dalphne-SrDisRschSci

Insect Detection Specialists

Alfaro, Orlando

Burkman, Brian

Fregoso, Jorge

Jama, Mohamed

Robinson, Steven

Sharon, Alan

Allingham, Guy

Burquez, Raul

Galloway, Victoria

Jefferson, Sharrod

Robles, Ivan

Thewlis, Joan

Arne, Richard

Buttner, Mark

Gross, Charles

Joseph, Roy

Rowin, Mary

Van Cleve, Merle

Basinski, Nicolas

Cabusi, Michael

Hernandez, Alberto

Leech, William

Rushton, Paul

Velardi, John

Blank, Linda

Casillas, Manuel

Hill, Evelyn

Miller Jr, Robert

Schepps, Alan

Wagner, Valerie

Breuninger, Tim

Feeley, Linda

Hock, Kimberly

Moss, Belinda

Seeby, Frederick

Waldrop, Bill



Department of Agriculture, Weights & Measures
5555 Overland Ave, Suite 3101
San Diego, CA 92123-1256
www.sdcawm.org