Summary of Highlights

Total Value of Production: $547,433,900
Decrease in Value from 2007: $ 24,734,300
Commodity with highest reported dollar value: Milk
Highest per acre value: Indoor Decoratives, including Orchids
Lowest per acre value: Rangeland
Commodity with the greatest % increase in total value from 2007: Grapefruit
Commodity with greatest % decrease in total value from 2007: Sweet Corn
Crop with the greatest amount of planted acreage: Alfalfa

The Cover: The official insignia of the County of San Bernardino includes the scales of justice, the natural beauty of our mountains, emblems of industry and transportation and symbols of agriculture including orchards and vineyards. It was designed by William Dedrick, Planning Department, in 1948.
In accordance with the requirements of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2008 San Bernardino County Annual Crop Report. This report provides the estimated production, acreage and gross value of the agricultural industry for the year 2008. Also included is a report on the activities for sustaining agriculture as specified in Section 2272 of the aforementioned code.

The gross value of agricultural production in San Bernardino County for 2008 totaled $547,433,900 - a decrease of $24,734,300 from the previous year. This decrease was primarily due to the substantial decrease in the unit price of milk and total value of nursery products. Contributing factors were an excess of milk production and a decrease in consumer demand for nursery products due to the slow-down in the construction industry. The overall loss of value was offset by an increase in the value of eggs and field crops; specifically an increase in consumer demand for hay. The value of eggs increased by nearly 44% and field crops increased by 38% from the previous year.

Despite continued conversion of agricultural land in the county to residential and business development, agriculture is still an integral component of the community in many areas. The importance of agricultural land can only increase as open space decreases and the preservation of these properties may become essential to the quality of life in our communities.

Local production information in this report was gathered from a variety of sources: marketing boards, packing houses, other governmental agencies and most importantly, by individual contact with County producers by my staff. Their dedicated efforts contributed to making this report as complete and detailed as possible. The declining number of producers can be attributed to the reduction in acreage and to increases in most of the miscellaneous listings. Over 125 different commodities are included in this report; many are produced by just a few individuals. Contact with these producers was essential to the accuracy of this report.
SUMMARY AND NOTES

The dairy industry continues to decline, impacting calf production and replacement heifers. The price of hay and greenchop for dairies has increased due to the drought and general reduction of acreage in the western United States.

Acreage for fruits, nuts and nursery products reflects the actual amount of land involved. Acreage for vegetable and field crops is usually planted multiple times during the course of the year and therefore the total acres for these crop categories is larger than the actual acres of agricultural land.

Reported prices for commodities are F.O.B. from the shipping point or packing house or the equivalent price at the first delivery point. All data is for gross production and prices are the average received. Commodities produced by fewer than three growers have been placed in the miscellaneous category for the commodity group unless permission has been given otherwise. Numbers have been rounded at the first level of compilation (District Reports). Reports of small acreage, yield and value at the District level create the appearance of a greater degree of accuracy in the overall information as a result. Information contained in this report comes from a variety of sources including other governmental agencies, packing houses and growers. Without their cooperation, this report would not have been possible.

### TOP TEN PRODUCTS

<table>
<thead>
<tr>
<th>2008 Rank</th>
<th>Product</th>
<th>Value</th>
<th>% of Total</th>
<th>2007 Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Milk</td>
<td>$322,091,000</td>
<td>60%</td>
<td>1</td>
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<tr>
<td>2</td>
<td>Eggs</td>
<td>$61,279,200</td>
<td>11%</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Cattle &amp; Calves (Meat)</td>
<td>$50,444,300</td>
<td>9%</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>Replacement Heifers</td>
<td>$21,041,000</td>
<td>4%</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>Trees/Shrubs</td>
<td>$16,343,600</td>
<td>3%</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td>Alfalfa, All</td>
<td>$15,422,800</td>
<td>3%</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>Bok Choi</td>
<td>$8,209,500</td>
<td>2%</td>
<td>9</td>
</tr>
<tr>
<td>8</td>
<td>Oranges</td>
<td>$7,890,600</td>
<td>1%</td>
<td>10</td>
</tr>
<tr>
<td>9</td>
<td>Indoor Decoratives</td>
<td>$7,800,600</td>
<td>1%</td>
<td>8</td>
</tr>
<tr>
<td>10</td>
<td>Ground Cover</td>
<td>$6,547,000</td>
<td>1%</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>All Other Products</td>
<td>$30,365,300</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Top Ten</strong></td>
<td><strong>$517,068,600</strong></td>
<td>95%</td>
<td></td>
</tr>
</tbody>
</table>

### Percent of Total Value

- Milk: -60%
- Eggs: 11%
- Cattle & Calves Meat: 9%
- Trees/Shrubs: 3%
- Replacement Heifers: 3%
- Alfalfa, All: 3%
- Ground Cover: 3%
- Indoor Decoratives: 4%
- Oranges: 3%
- Bok Choi: -5%
- All Other Products: 1%
Summary Comparison

<table>
<thead>
<tr>
<th>Commodity Group</th>
<th>2007 Acreage</th>
<th>2007 $ Value</th>
<th>2008 Acreage</th>
<th>2008 $ Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Crops</td>
<td>1,011,643</td>
<td>$17,909,700</td>
<td>1,012,544</td>
<td>$24,744,600</td>
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<tr>
<td>Vegetable Crops</td>
<td>4,961</td>
<td>$25,978,400</td>
<td>4,244</td>
<td>$25,467,000</td>
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<tr>
<td>Fruit &amp; Nut Crops</td>
<td>3,933</td>
<td>$13,789,400</td>
<td>3,869</td>
<td>$13,895,600</td>
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<tr>
<td>Livestock &amp; Poultry</td>
<td></td>
<td>$466,984,900</td>
<td>-</td>
<td>$448,063,800</td>
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<tr>
<td>Nursery Products</td>
<td>932</td>
<td>$47,505,800</td>
<td>938</td>
<td>$35,262,900</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>1,021,469</strong></td>
<td><strong>$572,168,200</strong></td>
<td><strong>1,021,585</strong></td>
<td><strong>$547,433,900</strong></td>
</tr>
</tbody>
</table>

**Definitions**

*Cwt:* Hundredweight, 100 pounds.

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

**Cropland forage:** Fields where the crop stubble and residue is grazed on by animals (often sheep).

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

**Packed:** Fruits and vegetables marketed as fresh and whole.

**Processed:** Fruit and vegetables either dried, juiced or otherwise changed from a fresh whole item.

**Market Milk:** Milk sold for marketing as a fluid product— generally for drinking.

**Manufacturing Milk:** Milk sold to make cheese, yogurt, powdered milk, etc.

**Started Pullets:** Young chickens produced to replace old egg-laying hens.

**Spent Hens:** Egg laying chickens who have reached the end of their productive careers.

**Calves:** Young cows between 200 to 300 pounds, sold to ranchers to “feed” up to a size suitable for slaughter.

**Beef:** Cattle raised for meat and by products. Most of these are young male calves.

**Replacement Heifers:** Young female cows destined for milk production.

**Cull Cows:** Milk cows who have reached the end of their productive careers and are sold for slaughter. Reported as “Dairy” in cattle and calves.

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**20 Years of Agricultural Value**

![Chart showing 20 years of agricultural value](chart.png)
In 1869, Lewis Cram was given the opportunity to buy 500 orange trees, but opted to purchase only enough rootstock to plant 1 3/4 acres. By 1887, he showed a net profit of $1,757. This was a good fortune in those days for a meager planting.

According to Ingersoll’s Century Annuals of San Bernardino County, Anson Van Leuvan brought the first six orange trees to San Bernardino Valley from San Gabriel Valley in 1857.

By 1910, at least 100,000 acres of naval oranges were planted in the State of California, with sales reaching $200 million.

In 1929, San Bernardino County recorded a total of 47,818 citrus acres, with a total value $25,294,200.

In 1949, San Bernardino County reported 50,000 citrus acres. Citrus dropped in production and gross returns as crops were affected by frost and freeze. The year 1949 went down in history as one of the worst freeze years.

The total citrus acreage at the end of 1979 was 11,392 acres, which was a reduction of 252 acres from the previous year.

The total citrus acreage at the end of 1989 was 6,840 acres. Total citrus valuation decreased by $1,310,400 predominately due to a higher percentage of oranges going to the processor because of frost damage.

Due to urban development and the opportunity to sell citrus groves to developers at a high price, San Bernardino County is steadily losing groves.

A severe freeze in December 1968, damaged a promising new citrus crop. Crop production was reduced with a corresponding reduction in gross returns.

Imagine what it was like to live and work in the heyday of the Inland Empire with rows of citrus trees running down hills with palms trees swaying in the background. As seen above on a winter day, the snowcapped peaks of the San Bernardino Mountains could be viewed in the distance.

The Inland Orange Conservancy (IOC) is a non-profit project focusing on citrus preservation in the Inland Empire. IOC makes groves sustainable by connecting local growers to local consumers in its “Share the Crop” program. To learn more about IOC visit their website at http://www.inlandorange.org/
In 1880, the practice of pasting paper labels on boxes began in Southern California to identify and advertise citrus fruit to the trade.

Colorful packing labels once adorned every wooden box of oranges and lemons that were shipped to market.

Colorful and recognizable packing labels with catchy brand names helped growers, packers and shippers market their products across the United States.

Labels were once considered crucial marketing tools as they allowed industry buyers to identify citrus from various areas.

Each association often developed its own brand names and usually hired lithographers to design and print the colorful artwork.

The labels separated various grades of fruit based mostly on cosmetic differences. Associations would preserve the value of their better grades of fruit by shipping lesser grades under different brand names.

During the 70-year era of citrus labels, over 8,000 distinct designs were developed and used on more than 2 billion boxes of oranges and lemons.

The age of labels came to an end during the 1950s when the traditional wooden box changed over to a preprinted cardboard carton.
<table>
<thead>
<tr>
<th>Fruit and Nut Crops</th>
<th>Year</th>
<th>Harvested Acre</th>
<th>Per Acre</th>
<th>Total Yield</th>
<th>Unit</th>
<th>$ Per Unit</th>
<th>$ Per Acre</th>
<th>Total $ Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apples, Total</td>
<td>2008</td>
<td>247</td>
<td>1.4</td>
<td>356</td>
<td>Ton</td>
<td>$1,808.64</td>
<td>$2,607</td>
<td>$643,900</td>
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<td></td>
<td>2007</td>
<td>231</td>
<td>2.9</td>
<td>664</td>
<td>Ton</td>
<td>$2,133.05</td>
<td>$6,135</td>
<td>$1,417,200</td>
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<tr>
<td>Packed</td>
<td>2008</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Processed</td>
<td>2008</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Avocados</td>
<td>2008</td>
<td>190</td>
<td>4.3</td>
<td>817</td>
<td>Ton</td>
<td>$1,302.00</td>
<td>$5,599</td>
<td>$1,063,700</td>
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<tr>
<td></td>
<td>2007</td>
<td>190</td>
<td>4.3</td>
<td>820</td>
<td>Ton</td>
<td>$1,325.98</td>
<td>$5,722</td>
<td>$1,087,300</td>
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<td>Grapes, Total</td>
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<td>335</td>
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<td>986</td>
<td>Ton</td>
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<td>2007</td>
<td>333</td>
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<td>921</td>
<td>Ton</td>
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<td>$4,934</td>
<td>$1,641,500</td>
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<td>Zinfandel</td>
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<td>150</td>
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<td>372</td>
<td>Ton</td>
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<td>$1,754</td>
<td>$263,100</td>
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<td></td>
<td>2007</td>
<td>70</td>
<td>3.0</td>
<td>211</td>
<td>Ton</td>
<td>$1,205.16</td>
<td>$3,631</td>
<td>$254,200</td>
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<td>Red Wine</td>
<td>2008</td>
<td>20</td>
<td>13.3</td>
<td>266</td>
<td>Ton</td>
<td>$1,440.14</td>
<td>$19,125</td>
<td>$382,500</td>
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<td></td>
<td>2007</td>
<td>50</td>
<td>3.7</td>
<td>186</td>
<td>Ton</td>
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<td>$7,140</td>
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<td>White Wine</td>
<td>2008</td>
<td>1</td>
<td>26.7</td>
<td>27</td>
<td>Ton</td>
<td>$931.44</td>
<td>$24,900</td>
<td>$24,900</td>
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<td></td>
<td>2007</td>
<td>12</td>
<td>1.4</td>
<td>16</td>
<td>Ton</td>
<td>$1,000.00</td>
<td>$1,409</td>
<td>$16,200</td>
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<tr>
<td>Table</td>
<td>2008</td>
<td>4</td>
<td>0.5</td>
<td>2</td>
<td>Ton</td>
<td>$6,000.00</td>
<td>$3,000</td>
<td>$12,000</td>
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<tr>
<td></td>
<td>2007</td>
<td>161</td>
<td>3.1</td>
<td>506</td>
<td>Ton</td>
<td>$2,000.00</td>
<td>$6,278</td>
<td>$1,012,000</td>
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<tr>
<td>By-Products</td>
<td>2008</td>
<td>160</td>
<td>2.0</td>
<td>320</td>
<td>Ton</td>
<td>$1,310.00</td>
<td>$2,620</td>
<td>$419,200</td>
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<tr>
<td></td>
<td>2007</td>
<td>40</td>
<td>1</td>
<td>2</td>
<td>Ton</td>
<td>$1,050.00</td>
<td>$53</td>
<td>$2,100</td>
</tr>
<tr>
<td>Grapefruit, Total</td>
<td>2008</td>
<td>150</td>
<td>9.0</td>
<td>1,350</td>
<td>Ton</td>
<td>$335.00</td>
<td>$3,015</td>
<td>$452,300</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>160</td>
<td>2.5</td>
<td>398</td>
<td>Ton</td>
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<td>$841</td>
<td>$134,600</td>
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<td>Packed</td>
<td>2008</td>
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<td></td>
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<td></td>
</tr>
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<td></td>
<td>2007</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Processed</td>
<td>2008</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Lemons, Total</td>
<td>2008</td>
<td>260</td>
<td>2.9</td>
<td>751</td>
<td>Ton</td>
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<td>$949</td>
<td>$246,700</td>
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<td>2007</td>
<td>240</td>
<td>1</td>
<td>21</td>
<td>Ton</td>
<td>$760.98</td>
<td>$65</td>
<td>$15,600</td>
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</table>
Fruit and Nut Crops

<table>
<thead>
<tr>
<th>Year</th>
<th>Harvested Acreage</th>
<th>Per Acre</th>
<th>Total Yield</th>
<th>Unit</th>
<th>$ Per Unit</th>
<th>$ Per Acre</th>
<th>Total $ Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oranges-Navel, Total</td>
<td>2008</td>
<td>1,375</td>
<td>10.5</td>
<td>14,436 Ton</td>
<td>$295.14</td>
<td>$3,099</td>
<td>$4,260,600</td>
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<td>2007</td>
<td>1,400</td>
<td>6.1</td>
<td>8,600 Ton</td>
<td>$418.90</td>
<td>$2,573</td>
<td>$3,602,500</td>
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<td>Packed</td>
<td>2008</td>
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<td></td>
<td>9,629 Ton</td>
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<td>$4,092,300</td>
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<td>2007</td>
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<td></td>
<td>5,000 Ton</td>
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<td>$3,435,100</td>
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<td>Processed</td>
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<td></td>
<td>4,807 Ton</td>
<td>$35.00</td>
<td></td>
<td>$168,200</td>
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<td>2007</td>
<td></td>
<td></td>
<td>3,600 Ton</td>
<td>$46.50</td>
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<td>$167,400</td>
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<tr>
<td>Oranges-Valencia, Total</td>
<td>2008</td>
<td>750</td>
<td>11.0</td>
<td>8,250 Ton</td>
<td>$440.00</td>
<td>$4,840</td>
<td>$3,630,000</td>
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<td></td>
<td>2007</td>
<td>775</td>
<td>10.3</td>
<td>8,000 Ton</td>
<td>$348.33</td>
<td>$3,596</td>
<td>$2,786,700</td>
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<td>5,500 Ton</td>
<td>$640.00</td>
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<td>$3,520,000</td>
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<td>2007</td>
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<td>$2,252,100</td>
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<td>Processed</td>
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<td></td>
<td></td>
<td>2,750 Ton</td>
<td>$40.00</td>
<td></td>
<td>$110,000</td>
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<tr>
<td></td>
<td>2007</td>
<td></td>
<td></td>
<td>4,000 Ton</td>
<td>$133.65</td>
<td></td>
<td>$534,600</td>
</tr>
<tr>
<td>Pistachios</td>
<td>2008</td>
<td>360</td>
<td>.2</td>
<td>61 Ton</td>
<td>$4,150.82</td>
<td>$703</td>
<td>$253,200</td>
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<tr>
<td></td>
<td>2007</td>
<td>400</td>
<td>.1</td>
<td>31 Ton</td>
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<td>$227</td>
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<td>Strawberries</td>
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<td>100</td>
<td>20.8</td>
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<td>2007</td>
<td>91</td>
<td>30.4</td>
<td>2,766 Ton</td>
<td>$712.00</td>
<td>$21,642</td>
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<tr>
<td>Miscellaneous *</td>
<td>2008</td>
<td>102</td>
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<td></td>
<td></td>
<td>$337,900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>103</td>
<td></td>
<td></td>
<td></td>
<td>$1,041,600</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>2008</td>
<td>3,869</td>
<td></td>
<td></td>
<td></td>
<td>$13,895,600</td>
<td>$13,789,400</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>3,933</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Miscellaneous Fruit: Apricots, Cherries, Jujube, Kiwis, Mexican Guava, Mulberries, Peaches, Pears, Persimmons, Raspberries

Fruit and Nut Comments: Yield and value of wine grapes is obtained through the Crush Report; harvested grape acreage is reported by growers. Table grapes and grape by-products are also reported by growers. A significant decrease in grape by-products was noted as a primary grower is in the process of removing grapevines and planting lemons. The total grape yield continues to decline as growers are converting acres into a variety of different crops.

The orange, lemon and grapefruit crops realized a significant increase in value primarily due to an increase in lemon acreage and a higher yield in all citrus crops. Apple production was down due to bloom damage suffered by a hail storm. Strawberry growers had a tough season. The early market produced misshapen fruit with growers attributing the cause to wind damage. Early high temperatures in the month of May caused up to a 50% loss of berries in what is historically the peak production month. Many strawberry growers ended the season early.
# Field Crops

<table>
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<tr>
<th>Year</th>
<th>Harvested Acreage</th>
<th>Per Acre</th>
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<th>Unit</th>
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<th>$ Per Acre</th>
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## Nursery Products

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<th>Field Acres</th>
<th>Quantity Sold</th>
<th>$ Per Unit</th>
<th>$ Per Acre</th>
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<td>2008</td>
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*Miscellaneous in 2008: Bonsai
2007: Cactus, Succulents, Timber, Bonsai, Seeds, Water Lilies and other Aquatic Plants.

**Nursery Comments:** A substantial decrease in the total value for nursery products was realized. Growers are contributing the decrease in demand to the state of the economy and the slow-down in the construction industry. Ground cover, indoor decoratives, trees and shrubs realized a substantial decrease in value contributing to the overall decrease as noted. The total acres for Christmas trees continues to decline and the value per unit declined significantly due to a lack of consumer demand. Miscellaneous values increased substantially due to the increase of reported Bonsai plant sales.

**Field Crop Comments:** Several hay growers had a combined loss for the season of nearly one cutting due to storm damage. The demand for alfalfa hay continues to be high, yielding a substantial increase in the price per unit. The demand for forage feed prompted the planting of additional acreage for alfalfa, oats, sudan, and mixed grain; the unit prices and total values increased significantly.

### Nursery Production

![Nursery Production Graph](image-url)
### Livestock and Poultry

#### Yearly Production

<table>
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<th>Year</th>
<th>Milk, Total</th>
<th>Market</th>
<th>Manufacturing</th>
<th>Eggs, Chicken</th>
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<td>19,407,000 cwt.</td>
<td>67,000 cwt.</td>
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<table>
<thead>
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<th>Unit</th>
<th>$ Per Unit</th>
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<td>$16.98</td>
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<tr>
<td>cwt.</td>
<td>$18.18</td>
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<tr>
<td>cwt.</td>
<td>$16.98</td>
<td>$322,058,000</td>
</tr>
<tr>
<td>cwt.</td>
<td>$18.18</td>
<td>$352,818,300</td>
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</tr>
<tr>
<td>dozen</td>
<td>$.78</td>
<td>$42,688,300</td>
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</table>

#### Yearly Livestock & Products

<table>
<thead>
<tr>
<th>Year</th>
<th># of Animals</th>
<th>Liveweight</th>
<th>Unit</th>
<th>$ Per Unit</th>
<th>Total $ Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>97,912</td>
<td>475,601</td>
<td>cwt.</td>
<td>$106.06</td>
<td>$50,444,300</td>
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<tr>
<td>2007</td>
<td>104,100</td>
<td>502,044</td>
<td>cwt.</td>
<td>$106.32</td>
<td>$53,379,400</td>
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<tr>
<td>2008</td>
<td>35,100</td>
<td>87,670</td>
<td>cwt.</td>
<td>$142.00</td>
<td>$12,449,400</td>
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<tr>
<td>2007</td>
<td>37,900</td>
<td>92,530</td>
<td>cwt.</td>
<td>$138.33</td>
<td>$12,799,400</td>
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<tr>
<td>2008</td>
<td>27,712</td>
<td>387,931</td>
<td>cwt.</td>
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<td>$16,953,900</td>
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<tr>
<td>2007</td>
<td>29,200</td>
<td>409,514</td>
<td>cwt. 72</td>
<td>$44.30</td>
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<tr>
<td>2008</td>
<td>35,100</td>
<td>Head</td>
<td>Head</td>
<td>$599.46</td>
<td>$21,041,000</td>
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<tr>
<td>2007</td>
<td>37,000</td>
<td>Head</td>
<td>Head</td>
<td>$506.49</td>
<td>$22,440,000</td>
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<tr>
<td>2008</td>
<td>10,100</td>
<td>14,100</td>
<td>cwt.</td>
<td>$82.16</td>
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<td>2007</td>
<td>10,200</td>
<td>17,856</td>
<td>cwt.</td>
<td>$23.02</td>
<td>$411,100</td>
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<tr>
<td>2008</td>
<td>3,025,500</td>
<td>lb.</td>
<td>lb.</td>
<td>$4,676,500</td>
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</tr>
<tr>
<td>2007</td>
<td>3,031,700</td>
<td>lb.</td>
<td>lb.</td>
<td>$4,277,300</td>
<td></td>
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<tr>
<td>2008</td>
<td>14,000</td>
<td>35,000</td>
<td>ea.</td>
<td>$0.50</td>
<td>$17,500</td>
</tr>
<tr>
<td>2007</td>
<td>20,100</td>
<td>124,000</td>
<td>ea.</td>
<td>$0.93</td>
<td>$115,000</td>
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<tr>
<td>2008</td>
<td>3,011,500</td>
<td></td>
<td></td>
<td>$4,659,000</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>3,011,500</td>
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<td>$4,162,300</td>
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### Miscellaneous Livestock & Products

<table>
<thead>
<tr>
<th>Year</th>
<th>$ Value</th>
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<tbody>
<tr>
<td>2008</td>
<td>$8,414,300</td>
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<tr>
<td>2007</td>
<td>$12,159,500</td>
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#### Total Livestock and Products

<table>
<thead>
<tr>
<th>Year</th>
<th>$ Value</th>
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</thead>
<tbody>
<tr>
<td>2008</td>
<td>$448,063,800</td>
</tr>
<tr>
<td>2007</td>
<td>$466,984,800</td>
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## Livestock and Poultry Inventories

<table>
<thead>
<tr>
<th></th>
<th>January 1, 2008</th>
<th>January 1, 2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cattle &amp; Calves, All</td>
<td>128,400</td>
<td>203,000</td>
</tr>
<tr>
<td>BEEF</td>
<td>0</td>
<td>3,000</td>
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<tr>
<td>MILK COWS</td>
<td>91,400</td>
<td>86,600</td>
</tr>
<tr>
<td>CALVES</td>
<td>37,000</td>
<td>35,100</td>
</tr>
<tr>
<td>Estimated # of Dairies</td>
<td>107</td>
<td>99</td>
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<tr>
<td>HOGS &amp; PIGS</td>
<td>1,250</td>
<td>10,100</td>
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<tr>
<td><strong>POULTRY, ALL</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHICKEN, LAYERS</td>
<td>4,342,000</td>
<td>5,011,800</td>
</tr>
<tr>
<td>PULLETS</td>
<td>2,782,000</td>
<td>3,119,000</td>
</tr>
<tr>
<td>POULTRY, MEAT *</td>
<td>930,000</td>
<td>1,442,800</td>
</tr>
<tr>
<td></td>
<td>390,000</td>
<td>450,000</td>
</tr>
<tr>
<td>Estimated # of Poultry Ranches</td>
<td>31</td>
<td>30</td>
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</table>

Inventories are rough estimates derived from reported production and government permits.

* Includes Chicken, Duck, Turkey and Ostrich

**Livestock and Poultry Comments:**
Major ranchers increased their population of turkeys and ducks resulting in a substantial increase in production. Pullet ranches also increased their population. Milk production continues to decline as dairies relocate out of the county. Egg production slightly increased and the price per unit rose substantially, which contributed to a large increase in the total value.

### Dairy Herd and Milk Production

- **Milk Cows**
- **Milk**
<table>
<thead>
<tr>
<th>Year</th>
<th>Harvested Acreage</th>
<th>Per Acre</th>
<th>Total Yield</th>
<th>Unit</th>
<th>$ Per Unit</th>
<th>$ Per Acre</th>
<th>Total $ Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Vegetable Crops</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Beans, Green</strong></td>
<td>2008</td>
<td>11</td>
<td>1.9</td>
<td>22 Ton</td>
<td>$1,144.91</td>
<td>$2,230</td>
<td>$25,400</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>24</td>
<td>2.9</td>
<td>69 Ton</td>
<td>$1,318.84</td>
<td>$3,872</td>
<td>$91,000</td>
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<tr>
<td><strong>Beets</strong></td>
<td>2008</td>
<td>7.1</td>
<td>4.0</td>
<td>28 Ton</td>
<td>$485.00</td>
<td>$1,940</td>
<td>$13,800</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>13.7</td>
<td>4.2</td>
<td>58 Ton</td>
<td>$1,189.66</td>
<td>$5,036</td>
<td>$69,000</td>
</tr>
<tr>
<td><strong>Cabbage</strong></td>
<td>2008</td>
<td>10.5</td>
<td>5.8</td>
<td>61 Ton</td>
<td>$339.34</td>
<td>$1,971</td>
<td>$20,700</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>11.2</td>
<td>5.9</td>
<td>66 Ton</td>
<td>$326.28</td>
<td>$1,929</td>
<td>$21,600</td>
</tr>
<tr>
<td><strong>Corn, Sweet</strong></td>
<td>2008</td>
<td>25.0</td>
<td>2.5</td>
<td>63 Ton</td>
<td>$600.00</td>
<td>$1,500</td>
<td>$37,500</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>49.0</td>
<td>4.8</td>
<td>233 Ton</td>
<td>$639.91</td>
<td>$3,043</td>
<td>$149,100</td>
</tr>
<tr>
<td><strong>Cucumbers</strong></td>
<td>2008</td>
<td>11.1</td>
<td>11.5</td>
<td>127 Ton</td>
<td>$500.98</td>
<td>$5,743</td>
<td>$63,800</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>22.0</td>
<td>11.5</td>
<td>253 Ton</td>
<td>$505.53</td>
<td>$5,814</td>
<td>$127,900</td>
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<tr>
<td><strong>Herbs</strong></td>
<td>2008</td>
<td>75.1</td>
<td>2.0</td>
<td>147 Ton</td>
<td>$3,764.93</td>
<td>$7,392</td>
<td>$554,800</td>
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<tr>
<td></td>
<td>2007</td>
<td>79.2</td>
<td>2.3</td>
<td>178 Ton</td>
<td>$3,939.46</td>
<td>$8,879</td>
<td>$702,800</td>
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</table>

**Oriental Vegetables**

<table>
<thead>
<tr>
<th>Year</th>
<th>Harvested Acreage</th>
<th>Per Acre</th>
<th>Total Yield</th>
<th>Unit</th>
<th>$ Per Unit</th>
<th>$ Per Acre</th>
<th>Total $ Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>3,767</td>
<td>70.7</td>
<td>266,464 Ton</td>
<td>$51.24</td>
<td>$3,625</td>
<td>$13,653,200</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>4,162</td>
<td>6.9</td>
<td>28,893 Ton</td>
<td>$469.59</td>
<td>$3,448</td>
<td>$14,347,700</td>
<td></td>
</tr>
<tr>
<td><strong>Bok Choi</strong></td>
<td>2008</td>
<td>2,601</td>
<td>72.7</td>
<td>189,123 Ton</td>
<td>$43.41</td>
<td>$3,156</td>
<td>$8,209,500</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>2,786</td>
<td>7.3</td>
<td>20,404 Ton</td>
<td>$401.06</td>
<td>$2,937</td>
<td>$8,183,200</td>
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<tr>
<td><strong>Daikon</strong></td>
<td>2008</td>
<td>81</td>
<td>15.0</td>
<td>1,208 Ton</td>
<td>$759.69</td>
<td>$11,400</td>
<td>$917,700</td>
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<tr>
<td></td>
<td>2007</td>
<td>117</td>
<td>15.0</td>
<td>1,748 Ton</td>
<td>$652.81</td>
<td>$9,795</td>
<td>$1,141,100</td>
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<tr>
<td><strong>Napa</strong></td>
<td>2008</td>
<td>96</td>
<td>15.0</td>
<td>1,433 Ton</td>
<td>$787.73</td>
<td>$11,820</td>
<td>$1,128,800</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>116</td>
<td>15.0</td>
<td>1,740 Ton</td>
<td>$640.00</td>
<td>$9,600</td>
<td>$1,113,600</td>
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<tr>
<td><strong>Nira</strong></td>
<td>2008</td>
<td>30</td>
<td>3.3</td>
<td>100 Ton</td>
<td>$1,262.88</td>
<td>$4,210</td>
<td>$126,300</td>
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<tr>
<td></td>
<td>2007</td>
<td>71</td>
<td>1.1</td>
<td>77 Ton</td>
<td>$1,332.03</td>
<td>$1,435</td>
<td>$101,900</td>
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<tr>
<td><strong>Gailan</strong></td>
<td>2008</td>
<td>502</td>
<td>4.0</td>
<td>2,000 Ton</td>
<td>$431.54</td>
<td>$1,719</td>
<td>$863,100</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>386</td>
<td>4.8</td>
<td>1,857 Ton</td>
<td>$769.11</td>
<td>$3,699</td>
<td>$1,427,848</td>
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<tr>
<td><strong>Suk Gat</strong></td>
<td>2008</td>
<td>17.0</td>
<td>2.0</td>
<td>34 Ton</td>
<td>$2,798.82</td>
<td>$5,598</td>
<td>$95,200</td>
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<tr>
<td></td>
<td>2007</td>
<td>9.5</td>
<td>3.0</td>
<td>29 Ton</td>
<td>$1,101.75</td>
<td>$3,305</td>
<td>$31,400</td>
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<tr>
<td><strong>Chinese Cabbage</strong></td>
<td>2008</td>
<td>306</td>
<td>3.7</td>
<td>1,125 Ton</td>
<td>$584.30</td>
<td>$2,148</td>
<td>$657,300</td>
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<td></td>
<td>2007</td>
<td>306</td>
<td>5.6</td>
<td>1,715 Ton</td>
<td>$714.29</td>
<td>$4,003</td>
<td>$1,225,000</td>
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<tr>
<td><strong>Miscellaneous Oriental Vegetables</strong></td>
<td>2008</td>
<td>134.7</td>
<td>530.4</td>
<td>71,441 Ton</td>
<td>$23.17</td>
<td>$12,289</td>
<td>$1,655,300</td>
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<tr>
<td></td>
<td>2007</td>
<td>370.5</td>
<td>3.4</td>
<td>1,254 Ton</td>
<td>$896.14</td>
<td>$3,033</td>
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</table>

**Miscellaneous Oriental Vegetables**

<table>
<thead>
<tr>
<th>Year</th>
<th>Harvested Acreage</th>
<th>Per Acre</th>
<th>Total Yield</th>
<th>Unit</th>
<th>$ Per Unit</th>
<th>$ Per Acre</th>
<th>Total $ Value</th>
</tr>
</thead>
</table>
# Vegetable Crops

<table>
<thead>
<tr>
<th>Year</th>
<th>Harvested Acreage</th>
<th>Per Acre</th>
<th>Total Yield</th>
<th>Unit</th>
<th>$ Per Unit</th>
<th>$ Per Acre</th>
<th>Total $ Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumpkins</td>
<td>2008</td>
<td>51</td>
<td>14.4</td>
<td>735</td>
<td>Ton</td>
<td>$279.59</td>
<td>$4,029</td>
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<tr>
<td></td>
<td>2007</td>
<td>50</td>
<td>11.6</td>
<td>581</td>
<td>Ton</td>
<td>$269.19</td>
<td>$3,128</td>
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<tr>
<td>Squash</td>
<td>2008</td>
<td>82.4</td>
<td>11.4</td>
<td>935</td>
<td>Ton</td>
<td>$931.57</td>
<td>$10,574</td>
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<tr>
<td></td>
<td>2007</td>
<td>76</td>
<td>13.8</td>
<td>1,047</td>
<td>Ton</td>
<td>$661.22</td>
<td>$9,105</td>
</tr>
<tr>
<td>Tomatillos</td>
<td>2008</td>
<td>40</td>
<td>5.1</td>
<td>205.1</td>
<td>Ton</td>
<td>$1576.13</td>
<td>$8,061</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>30</td>
<td>2.3</td>
<td>70.1</td>
<td>Ton</td>
<td>$1,600.57</td>
<td>$3,715</td>
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<tr>
<td>Tomatoes</td>
<td>2008</td>
<td>8.7</td>
<td>9.1</td>
<td>79</td>
<td>Ton</td>
<td>$444.44</td>
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<tr>
<td></td>
<td>2007</td>
<td>44.7</td>
<td>2.9</td>
<td>130</td>
<td>Ton</td>
<td>$953.08</td>
<td>$2,772</td>
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<tr>
<td>Turnips</td>
<td>2008</td>
<td>.5</td>
<td>1.0</td>
<td>.5</td>
<td>Ton</td>
<td>$2,000.00</td>
<td>$2,000</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td>3.3</td>
<td>4.7</td>
<td>15.6</td>
<td>Ton</td>
<td>$900.00</td>
<td>$4,255</td>
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<td></td>
<td></td>
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<td></td>
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<tr>
<td>Vegetables ***</td>
<td>2007</td>
<td>596</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$9,369,700</td>
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<tr>
<td><strong>Total</strong></td>
<td>2008</td>
<td>4,244</td>
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<td></td>
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<td>$25,467,000</td>
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<td>2007</td>
<td>4,961</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$25,978,400</td>
</tr>
</tbody>
</table>

| 2007 | Black-eye and Fava Beans, Broccoli, Carrots, Cauliflower, Chard, Collards, Eggplant, Garlic, Green and Dry Onions, Leeks, Lettuce, Melons (Cantaloupe, Citron, Honeydew and Watermelon), Mustard Greens, Bell and Chili Peppers, Radishes, Salad Mix, Snap Peas, Spinach, Sprouts, potatos, and Sweet Potatoes. |

**Vegetable Crop Comments:** The oriental vegetable growers continue to enjoy a high consumer demand, shipping large orders to the Eastern markets. Bok Choi plantings were relentless, contributing to a high yield; however, the price per unit decreased with the abundant supply. Sweet corn acreage continues to decrease.
Pest Prevention, Detection and Eradication

Several programs and activities of the Department promote the sustainability of California’s agricultural industry by preventing, reducing or eliminating the effects of foreign or invasive pests and diseases. The Department also certifies shipments of goods destined to other areas to be free from prohibited pests and diseases.

### Pest Prevention

<table>
<thead>
<tr>
<th>Inspection Type</th>
<th>Premise Visits</th>
<th>Shipments Inspected</th>
<th>Rejections</th>
<th>Rated Pests</th>
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<tbody>
<tr>
<td>Post Office</td>
<td>252</td>
<td>3,025</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>United Parcel Service</td>
<td>811</td>
<td>6,899</td>
<td>107</td>
<td>2</td>
</tr>
<tr>
<td>Federal Express</td>
<td>914</td>
<td>25,488</td>
<td>214</td>
<td>48</td>
</tr>
<tr>
<td>Express Carriers</td>
<td>264</td>
<td>1,400</td>
<td>22</td>
<td>1</td>
</tr>
<tr>
<td>Air Freight</td>
<td>410</td>
<td>311</td>
<td>17</td>
<td>6</td>
</tr>
<tr>
<td>Gypsy Moth</td>
<td>81</td>
<td>76</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Truck</td>
<td>781</td>
<td>1,012</td>
<td>6</td>
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<tr>
<td>Other</td>
<td>23</td>
<td>22</td>
<td>12</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>3,536</strong></td>
<td><strong>38,233</strong></td>
<td><strong>389</strong></td>
<td><strong>57</strong></td>
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### Pest Detection

<table>
<thead>
<tr>
<th>Trap Type</th>
<th>Lure Method</th>
<th>Number*</th>
<th>Servicings</th>
</tr>
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<tbody>
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<td>Gypsy Moth</td>
<td>Pheromone</td>
<td>649</td>
<td>3,421</td>
</tr>
<tr>
<td>Jackson Mediterranean Fruit Fly</td>
<td>Pheromone</td>
<td>1,189</td>
<td>30,632</td>
</tr>
<tr>
<td>Jackson Oriental Fruit Fly</td>
<td>Pheromone</td>
<td>1,195</td>
<td>30,365</td>
</tr>
<tr>
<td>Jackson Melon Fruit Fly</td>
<td>Pheromone</td>
<td>1,195</td>
<td>30,489</td>
</tr>
<tr>
<td>McPhil</td>
<td>Feeding Attractant</td>
<td>1,189</td>
<td>47,104</td>
</tr>
<tr>
<td>Japanese Beetle</td>
<td>Pheromone</td>
<td>561</td>
<td>3,326</td>
</tr>
<tr>
<td>Khapra Beetle</td>
<td>Feeding Attractant</td>
<td>171</td>
<td>171</td>
</tr>
<tr>
<td>Light Brown Apple Moth</td>
<td>Pheromone</td>
<td>1,189</td>
<td>29,881</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>7,338</strong></td>
<td><strong>175,389</strong></td>
<td></td>
</tr>
</tbody>
</table>

\* This is the maximum number of traps in service during 2008

### Pest Eradication

In the County there are over 300 sites with a gross acreage in excess of 3,000 acres where noxious weeds are being controlled to prevent their spread. These weeds are generally very invasive and displace native vegetation. Because of their limited distribution and low density, biological control measures used elsewhere in the state are not suitable for use in San Bernardino County. Invasive plants are treated with herbicides or physically removed.

<table>
<thead>
<tr>
<th>Species</th>
<th>Common Name</th>
<th>Rating</th>
<th>Net Acres Treated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardaria draba</td>
<td>White Top</td>
<td>B</td>
<td>1.004</td>
</tr>
<tr>
<td>Carduus nutans</td>
<td>Musk Thistle</td>
<td>A</td>
<td>0.900</td>
</tr>
<tr>
<td>Centaurea diffusa</td>
<td>Diffuse Knapweed</td>
<td>A</td>
<td>0.271</td>
</tr>
<tr>
<td>Centaurea maculosa</td>
<td>Spotted Knapweed</td>
<td>A</td>
<td>0.500</td>
</tr>
<tr>
<td>Centaurea solstitialis</td>
<td>Yellow Star Thistle</td>
<td>C</td>
<td>7.860</td>
</tr>
<tr>
<td>Cynara cardunculus</td>
<td>Artichoke Thistle</td>
<td>B</td>
<td>0.350</td>
</tr>
<tr>
<td>Halogeton glomeratus</td>
<td>Halogeton</td>
<td>A</td>
<td>21.530</td>
</tr>
<tr>
<td>Lepidium latifolium</td>
<td>Perennial Pepperweed</td>
<td>B</td>
<td>60.850</td>
</tr>
<tr>
<td>Linaria genistifolia dalmatica</td>
<td>Dalmatian Toadflax</td>
<td>A</td>
<td>0.010</td>
</tr>
<tr>
<td>Peganum harmala</td>
<td>Harmel</td>
<td>A</td>
<td>0.052</td>
</tr>
<tr>
<td>Solanum elaeagnifolium</td>
<td>White Horsenettle</td>
<td>B</td>
<td>6.440</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>99.767</strong></td>
</tr>
</tbody>
</table>

The Department manufactures rodent baits and re-sells commercial rodent baits to assist property owners in controlling rodents and other vertebrate pests that are damaging property and crops. In 2008, the department sold 49,652 pounds of bait. Property owners having problems with raccoons, skunks, opossums and other animals can borrow live traps. The Department of Public Health, Animal Control division contracts with a pest control firm to control coyotes, feral dogs, bears and other animals too large or too difficult for the average property owner to trap.
## Pests Intercepted

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Rating</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hickory Shuckworm</td>
<td>Cydia caryana</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>Japanese Beetle</td>
<td>Popillia japonica</td>
<td>A</td>
<td>42 (Airport interceptions)</td>
</tr>
<tr>
<td>Limacodid Moth</td>
<td>Darna pallvitta</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>Magnolia White Scale</td>
<td>Pseudaulacaspis cockerelli</td>
<td>A</td>
<td>3</td>
</tr>
<tr>
<td>Mining Scale</td>
<td>Howardia biclavis</td>
<td>A</td>
<td>6</td>
</tr>
<tr>
<td>Oriental Fruit Fly</td>
<td>Bactrocera dorsalis</td>
<td>A</td>
<td>6</td>
</tr>
<tr>
<td>Chaff Scale</td>
<td>Parlatoria pergandii</td>
<td>B</td>
<td>6</td>
</tr>
<tr>
<td>Pickleworm</td>
<td>Diaphania nitidalis</td>
<td>B</td>
<td>3</td>
</tr>
<tr>
<td>Purple Scale</td>
<td>Lepidosaphes beckii</td>
<td>B</td>
<td>5</td>
</tr>
<tr>
<td>Water Lettuce</td>
<td>Pistia stratiotes</td>
<td>B</td>
<td>1</td>
</tr>
<tr>
<td>Yellow Crazy Ant</td>
<td>Anoplolepis gracilipes</td>
<td>Q</td>
<td>1</td>
</tr>
<tr>
<td>Ant</td>
<td>Pheidole sp.</td>
<td>Q</td>
<td>5</td>
</tr>
<tr>
<td>White Footed Ant</td>
<td>Technomyrmex albipes</td>
<td>Q</td>
<td>13</td>
</tr>
<tr>
<td>Bigheaded Ant</td>
<td>Pheidole megacephala</td>
<td>Q</td>
<td>2</td>
</tr>
<tr>
<td>Cockroach</td>
<td>Periphaeridae Phortioeca sp.</td>
<td>Q</td>
<td>1</td>
</tr>
<tr>
<td>Cycad Aulacaspis Scale</td>
<td>Aulacaspis yasumatsui</td>
<td>Q</td>
<td>1</td>
</tr>
<tr>
<td>Live Mealybug Crawler</td>
<td></td>
<td>Q</td>
<td>4</td>
</tr>
<tr>
<td>Mealybug</td>
<td>Phenacoccus sp.</td>
<td>Q</td>
<td>1</td>
</tr>
<tr>
<td>Spiraling Whitefly</td>
<td>Aleurodicus disperses</td>
<td>Q</td>
<td>1</td>
</tr>
<tr>
<td>Orchid Weevil</td>
<td>Orchidothrix sp.</td>
<td>Q</td>
<td>1</td>
</tr>
<tr>
<td>Sponge Plant</td>
<td>Limnobium spongia</td>
<td>Q</td>
<td>1</td>
</tr>
<tr>
<td>Latex Plant</td>
<td>Morrenia sp.</td>
<td>Q</td>
<td>1</td>
</tr>
<tr>
<td>Macadamia White Scale</td>
<td>Pseudaulacaspis brimblecombei</td>
<td>Q</td>
<td>1</td>
</tr>
</tbody>
</table>

In addition to the pests listed above, 131 “C” rated pests and 35 “D” rated pests were intercepted of which multiple species were reported.

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

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

“B” - An organism of known economic importance subject to: eradication, containment, control or other holding action at the discretion of the individual County Agricultural Commissioner. It is also an organism of known economic importance subject to state endorsed holding action and eradication only when found in a nursery.

“C” - An organism not subject to state enforced action outside of nurseries except to retard spread at the discretion of the commissioner. It is also an organism not subject to state enforced action except to provide for pest cleanliness in nurseries.

“D” - No action. (Parasites, predators and organisms of little or no economic importance).

“Q” - An organism or disorder requiring temporary “A” action pending determination of a permanent rating. The organism is suspected to be of economic importance but its status is uncertain because of incomplete identification or inadequate information. In the case of an established infestation, at the discretion of the Assistant Director for Plant Industry, the Department will conduct surveys and will convene the Division Pest Study Team to determine a permanent rating.
<table>
<thead>
<tr>
<th>COUNTY REGION</th>
<th>FRUIT &amp; NUTS ACRES</th>
<th>VALUE</th>
<th>VEGETABLES ACRES</th>
<th>VALUE</th>
<th>FIELD CROPS ACRES</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>East End</td>
<td>2,704</td>
<td>$10,051,900</td>
<td>1,039</td>
<td>$4,013,000</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>North Desert</td>
<td>793</td>
<td>$1,007,700</td>
<td>69</td>
<td>$494,200</td>
<td>18,800</td>
<td>$2,700</td>
</tr>
<tr>
<td>South Desert</td>
<td>101</td>
<td>$274,000</td>
<td>32</td>
<td>$79,400</td>
<td>936,033</td>
<td>$14,761,100</td>
</tr>
<tr>
<td>West End North</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>West End South</td>
<td>272</td>
<td>$2,562,000</td>
<td>3,104</td>
<td>$20,880,400</td>
<td>42,815</td>
<td>$2,164,100</td>
</tr>
<tr>
<td>TOTAL</td>
<td>3,869</td>
<td>$13,895,600</td>
<td>4,244</td>
<td>$25,467,000</td>
<td>14,886</td>
<td>$7,816,700</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COUNTY REGION</th>
<th>NURSERY AND MISCELLANEOUS ACRES</th>
<th>VALUE</th>
<th>LIVESTOCK AND POULTRY VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central</td>
<td>120</td>
<td>$6,032,900</td>
<td>$32,351,700</td>
</tr>
<tr>
<td>East End</td>
<td>226</td>
<td>$2,242,000</td>
<td>$18,364,400</td>
</tr>
<tr>
<td>North Desert</td>
<td>125</td>
<td>$941,900</td>
<td>$34,819,300</td>
</tr>
<tr>
<td>South Desert</td>
<td>21</td>
<td>$1,883,200</td>
<td>$9,864,600</td>
</tr>
<tr>
<td>West End North</td>
<td>-</td>
<td>-</td>
<td>$590,400</td>
</tr>
<tr>
<td>West End South</td>
<td>447</td>
<td>$24,162,900</td>
<td>$352,073,400</td>
</tr>
<tr>
<td>TOTAL</td>
<td>938</td>
<td>$35,262,900</td>
<td>$448,063,800</td>
</tr>
</tbody>
</table>

TOTAL VALUE

- Central = The area east of Interstate 15 to Highway 210, south of the San Bernardino Mountains.
- East End = The area east of Highway 210 and including all of the San Bernardino Mountains west of Highway 62.
- North Desert = The area north of Victorville, including the area east along Highway 40 and National Trails Highway.
- South Desert = The communities of Adelanto, Apple Valley, Victorville, Hesperia, Lucerne Valley, Yucca Valley, 29 Palms, Joshua Tree and the surrounding area.
- West End North = The area north of Mission Boulevard and west of Highway 15.
- West End South = The area south of Mission Boulevard including Chino Hills and parts of Chino and Ontario.
Department of Agriculture / Weights and Measures Personnel

Agricultural Commissioner / Sealer of Weights and Measures
John Gardner

Assistant Agricultural Commissioner / Sealer
Roberta Willhite

Deputy Agricultural Commissioner / Sealer
Angela Godwin  Jim Mitchell  Grif Thomas

Supervising Agricultural / Standards Officer
Allen Lampman  Emilio Lopez  Steve Mackenzie  Tom Stevenson

Agricultural / Standards Officer
Steve Bayless  Russell Bice  David Chonka  Cordell Clark
Michael Cochrane  Sandy Cleland  Denise Crowley  Theresa Doyle
Jim Duncan  Zia Fazel  Fred Grindle  Gena Hasson
Bill Herr  Arnold Johnson  George Kolbe  Shannon Lehrter
Misael Martinez  Robert Martus  Steve Matthys  Mickey McDonald
Larry Montoya  Ed Pearson  Brad Sanford  John Sarmiento
Mark Tully  Keri Vigil  Maria Zarate  Scott Zinsmeyer

Pesticide Applicator
Shane Campbell  Jim Chambers  Terry Noe  Paul Sharpe

Agricultural Field Aide I and II
Robert Abbey  Chris Allen  Ismael Almanza (II)  Chris Banta
Armando Cruz  Wendy Eastwood  Ruth Flores (II)  Joe Graves
Tonya Hoogerwerf  Humphrey Kiuruwi  Carrie Mackenzie  Sherry Miller
Cassie Nelson  Bill Rahn  Greg Rodriguez  Deirdre Shore (PSE)
Adam Silva  Joseph Stewart

Clerical Staff
Tonná Cole, Executive Secretary  Anna Grammenos, Fiscal Assistant
Maria Ramirez, Office Assistant III  Dellana Smith, Office Assistant III
Kathy White, Office Assistant II  Mary Yeager, Office Assistant III

Canine Pest Exclusion Specialist

“CC”
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Department of Agriculture / Weights & Measures
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