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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

# Lake County

2015-2017



# *Lake County* *Department of Agriculture*



## *2015 Crop Report*



**COUNTY OF LAKE**  
**Department of Agriculture**  
**Department of Weights & Measures**  
**883 Lakeport Blvd.**  
**Lakeport CA 95453**  
**Phone: (707) 263-0217**  
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**STEVEN HAJIK**  
**Agricultural Commissioner**  
**Sealer of Weights & Measures**

June 2, 2016

Karen Ross, Secretary

California Department of Food and Agriculture

The Honorable Board of Supervisors of Lake County

It is my pleasure to present the Lake County Agricultural Report for the year 2015 in accordance with sections 2272 and 2279 of the California Agriculture Code. The gross value of Lake County Agriculture production for 2015 was \$101,135,648. This is an increase of 9%. The increase can be attributed to an increase in the value of the wine grape and and pear industries. Agricultural production value for 2014 was lowered after reviewing the pear data. **This report represents gross agricultural receipts and does not reflect production costs or net income to the producers.**

The gross value of wine grapes was \$63,390,181 an increase of 7% from 2014. The total tonnage was 38,786 and the total grape acreage was 9,455, an increase of 673 acres. The tons per acre increased slightly and the average price per ton increased by 7%. The wine grape return (price per ton) was the highest on record.

In 2015 the gross value of pears was \$26,098,171, an increase of 21% from 2014. The total production increased by 9,002 tons, and the price per ton increased by 2%. The pear price per ton on all Bartlett pears was the highest on record.

The gross value of walnuts was \$5,383,560 a decrease of 25% and production slightly decreased. The price per ton decreased by 19% and acreage increased to 4,016. There was a big difference in the price per pound for conventional growers (\$.65) and organic growers (\$3.00).

Increases were noted in nursery production (36%), miscellaneous fruit (14%), livestock and poultry products (23%), and vegetables (3%). Decreases were noted in livestock productions (4%), field crops (33%) and timber (1,250%).

The gross value of pears in this report represents the value of the pears after they are packed and processed. The figures do not indicate the value of the pears at the time of harvest or the gross income of the producers. The gross value of all other commodities in this report represent the value of each commodity at the time of harvest.

I would like to thank Joseph Lundeen, Agricultural Biologist/Weights and Measures Inspector I, for his efforts in compiling the information, providing the photographs and working on the layout of the 2015 Crop Report. I wish to express my appreciation to the many individuals and organizations who contributed to making this report possible.

Respectfully submitted,

*Steven Hajik*

Steven Hajik

Agricultural Commissioner/Sealer of Weights and Measures

## 2015 FRUIT AND NUT CROPS

| COMMODITY  | MARKET TYPE             | YEAR | PRODUCTION (TONS)   | YIELD (TONS / ACRE) | RETURNS \$ / Ton | GROSS VALUE               | BEARING ACRES |
|--|-------------------------|------|---------------------|---------------------|------------------|---------------------------|---------------|
| <b>WINE GRAPES</b>   |                         |      |                     |                     |                  |                           |               |
| WHITES   |                         | 2015 | 15,565              | 5.5                 | \$1,154          | \$17,972,823              | 2,809         |
|  |                         | 2014 | 16,467              | 5.7                 | \$1,108          | \$18,252,244              | 2,914         |
| REDS   |                         | 2015 | 23,221              | 4.4                 | \$1,955          | \$45,417,358              | 5,254         |
|  |                         | 2014 | 22,206              | 4.3                 | \$1,829          | \$40,614,551              | 5,156         |
| TOTAL ALL WINE GRAPES  |                         | 2015 | 38,786              | 4.8                 | \$1,634          | \$63,390,181              | 8,063         |
|  |                         | 2014 | 38,673              | 4.8                 | \$1,522          | \$58,866,795              | 8,070         |
| <b>PEARS</b>   |                         |      |                     |                     |                  |                           |               |
| BARTLETT <sup>2</sup><br>INCLUDING<br>RED                                    | FRESH                   | 2015 | 14,866              |                     | \$980            | \$14,580,777              |               |
|  |                         | 2014 | 15,797              |                     | \$897            | \$14,169,909              |               |
|  | CANNERY                 | 2015 | 19,374              |                     | \$414            | \$8,011,336               |               |
|  |                         | 2014 | 8,147               |                     | \$332            | \$2,704,804               |               |
|  | BY- PRODUCTS<br>& Juice | 2015 | 3,263               |                     | \$325            | \$1,058,826               |               |
|  |                         | 2014 | 5,757               |                     | \$269            | \$1,548,633               |               |
| TOTAL BARTLETT   |                         | 2015 | 37,503              | 20.1                | \$631            | \$23,650,938              | 1,863         |
|  |                         | 2014 | 29,701              | 15.1                | \$620            | \$18,423,346              | 1,963         |
| All Other <sup>2</sup><br>(INCLUDES;<br>ASIAN, BOSC,<br>COMICE, SECK-<br>EL) | FRESH                   | 2015 | 2,151               |                     | \$1,099          | \$2,365,016               |               |
|  |                         | 2014 | 1,452               |                     | \$981            | \$1,424,412               |               |
|  | BY-PRODUCTS             | 2015 | 864                 |                     | \$95             | \$82,216                  |               |
|  |                         | 2014 | 363                 |                     | \$64             | \$23,477                  |               |
| TOTAL OTHER  |                         | 2015 | 3,015               | 20.4                | \$812            | \$2,447,232               | 148           |
|  |                         | 2014 | 1,815               | 12.3                | \$798            | \$1,447,859               | 148           |
| TOTAL ALL PEARS  |                         | 2015 | 40,518              | 20.1                | \$644            | \$26,098,171              | 2,011         |
|  |                         | 2014 | 31,516 <sup>1</sup> | 14.9 <sup>1</sup>   | \$631            | \$19,871,205 <sup>1</sup> | 2,111         |
| <b>WALNUTS</b>   |                         |      |                     |                     |                  |                           |               |
| TOTAL ALL WALNUTS  |                         | 2015 | 1,479               | 0.39                | \$3,640          | \$5,383,560               | 3,750         |
|  |                         | 2014 | 1,496               | 0.40                | \$4,500          | \$6,732,000               | 3,700         |
| <b>MISCELLANEOUS FRUITS &amp; NUTS</b>                                       |                         |      |                     |                     |                  |                           |               |
| Olives   |                         | 2015 | 65                  | 1                   | \$650            | \$42,250                  | 65            |
|  |                         | 2014 | 65                  | 1                   | \$550            | \$35,750                  | 65            |
| MISCELLANEOUS <sup>3</sup>   |                         | 2015 |                     |                     |                  | \$63,408                  | 19            |
|  |                         | 2014 |                     |                     |                  | \$55,122                  | 19            |
| TOTAL MISCELLANEOUS  |                         | 2015 |                     |                     |                  | \$105,658                 | 84            |
|  |                         | 2014 |                     |                     |                  | \$90,872                  | 84            |
| TOTAL ALL FRUIT AND NUTS   |                         | 2015 |                     |                     |                  | \$94,977,570              | 13,908        |
|  |                         | 2014 |                     |                     |                  | \$85,560,872              | 13,965        |

<sup>1</sup> PEARS WERE REVISED TO REFLECT FURTHER REVIEW OF THE 2014 STATISTICS.

<sup>2</sup> THIS IS THE FOB PRICE WHICH INCLUDES PROCESSING AND PACKING COSTS.

<sup>3</sup> INCLUDES APPLES, PEACHES, STRAWBERRIES, MELONS

## FRUIT AND NUT ACREAGE

| CROP                       |                 | Bearing Acres | Non-Bearing Acres | Total         |
|----------------------------|-----------------|---------------|-------------------|---------------|
| PEARS                      | Bartlett        | 1,863         | 15                | 1,878         |
|                            | All Other Pears | 148           | 8                 | 156           |
|                            | <b>Total</b>    | <b>2011</b>   | <b>23</b>         | <b>2,034</b>  |
| WINE GRAPES                | Whites          | 2,809         | 194               | 3,003         |
|                            | Reds            | 5,254         | 1,198             | 6,452         |
|                            | <b>Total</b>    | <b>8,063</b>  | <b>1,392</b>      | <b>9,455</b>  |
| WALNUTS                    |                 | <b>3,750</b>  | <b>266</b>        | <b>4,016</b>  |
| OLIVES                     |                 | <b>65</b>     | <b>2</b>          | <b>67</b>     |
| MISCELLANEOUS <sup>1</sup> |                 | <b>19</b>     | <b>0</b>          | <b>19</b>     |
| <b>TOTAL</b>               |                 | <b>13,908</b> | <b>1,683</b>      | <b>15,591</b> |

<sup>1</sup>Includes Apples, Peaches, Strawberries, Melons, Etc.



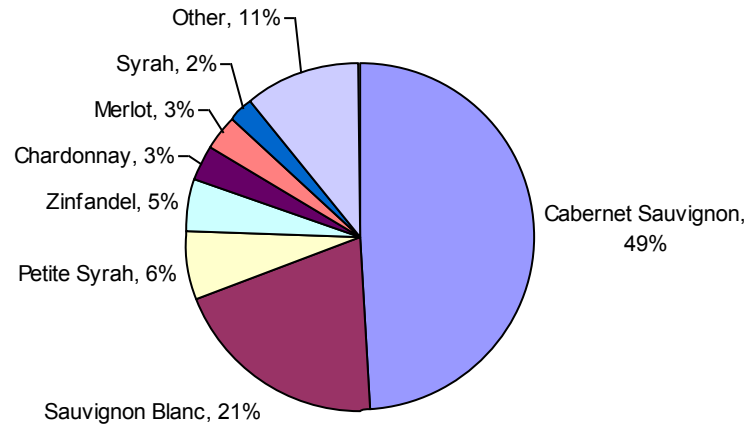
## NURSERY PRODUCTION

| YEAR        | GREENHOUSE SQ. FEET | FIELD ACRES | VALUE              |
|-------------|---------------------|-------------|--------------------|
| <b>2015</b> | <b>20,350</b>       | <b>46.7</b> | <b>\$1,474,200</b> |
| <b>2014</b> | <b>17,050</b>       | <b>37.2</b> | <b>\$941,566</b>   |

## Top Wine Grape Varieties

| Variety            | Tons Crushed | Weighted Average Returns | Total        |
|--------------------|--------------|--------------------------|--------------|
| Cabernet Sauvignon | 14,428       | \$2157                   | \$31,130,282 |
| Sauvignon Blanc    | 11,640       | \$1118                   | \$13,021,663 |
| Petite Sirah       | 2,191        | \$1794                   | \$3,933,045  |
| Zinfandel          | 1,758        | \$1614                   | \$2,838,431  |
| Chardonnay         | 1,707        | \$1229                   | \$2,098,903  |
| Merlot             | 1,573        | \$1290                   | \$2,029,811  |
| Syrah              | 949          | \$1447                   | \$1,375,015  |
| All Other          | 4,540        | VARIES                   | \$6,963,031  |

**Top Wine Grape Varieties Based On Value**



## All Other Wine Grape Varieties

|                |              |                  |                |
|----------------|--------------|------------------|----------------|
| Aglianico      | Albarino     | Barbera          | Cabernet Franc |
| Carignane      | Chenin Blanc | Cinsaut          | Counoise       |
| Gewurztraminer | Grenache     | Grenache Blanc   | Malbec         |
| Marsanne       | Mataro       | Muscat Blanc     | Muscat Orange  |
| Nebbiolo       | Petit Verdot | Pinot Gris       | Pinot Noir     |
| Primitivo      | Sangiovese   | Sauvignon Musque | Semillon       |
| Souzao         | Tempranillo  | Touriga Nacional | Trousseau      |
| Vementino      | Viognier     | White Riesling   | Zinfandel      |

## LIVESTOCK PRODUCTION

| COMMODITY                  | YEAR        | NO. OF HEAD  | TOTAL CWT <sup>1</sup><br>(LIVE WT) | VALUE PER CWT | VALUE              |
|----------------------------|-------------|--------------|-------------------------------------|---------------|--------------------|
| CATTLE AND CALVES          | <b>2015</b> | <b>2,000</b> | <b>9,500</b>                        | <b>\$230</b>  | <b>\$2,185,000</b> |
|                            | <b>2014</b> | <b>2,400</b> | <b>11,760</b>                       | <b>\$185</b>  | <b>\$2,175,600</b> |
| MISCELLANEOUS <sup>2</sup> | <b>2015</b> |              |                                     |               | <b>\$34,530</b>    |
|                            | <b>2014</b> |              |                                     |               | <b>\$130,955</b>   |
| TOTALS                     | <b>2015</b> |              |                                     |               | <b>\$2,219,530</b> |
|                            | <b>2014</b> |              |                                     |               | <b>\$2,306,555</b> |

<sup>1</sup> CWT = 100 POUNDS

<sup>2</sup> INCLUDES GOATS, SHEEP, HOGS, RABBITS, MEAT CHICKENS, AND OTHER MEAT BIRDS



## LIVESTOCK AND POULTRY PRODUCTS

|                            | YEAR        |  | VALUE            |
|----------------------------|-------------|--|------------------|
| MISCELLANEOUS <sup>1</sup> | <b>2015</b> |  | <b>\$179,034</b> |
|                            | <b>2014</b> |  | <b>\$137,760</b> |

<sup>1</sup> INCLUDES EGGS, CHEESE, WOOL, AND HONEY



## ORGANIC <sup>1</sup> FARMING STATISTICS

| CROPS 2014               | NUMBER OF FARMS | ACRES        | VALUE              |
|--------------------------|-----------------|--------------|--------------------|
| WALNUTS                  | 47              | 1,634        |                    |
| WINE GRAPES              | 16              | 281          |                    |
| MISCELLANEOUS VEGETABLES | 10              | 15           |                    |
| PEARS                    | 4               | 184          |                    |
| MISCELLANEOUS FRUIT      | 12              | 5            |                    |
| OLIVES                   | 6               | 24           |                    |
| GRAINS <sup>2</sup>      | 3               | 17           |                    |
| TOTAL                    | <b>92</b>       | <b>2,160</b> | <b>\$5,289,357</b> |

<sup>1</sup> REGISTERED ORGANIC WITH THE LAKE COUNTY AGRICULTURAL COMMISSIONER

<sup>2</sup> ORGANIC GRAINS, INCLUDING HOPS

| ORGANIC WALNUTS | ACRES | VALUE       |
|-----------------|-------|-------------|
|                 | 1,634 | \$2,083,741 |



## VEGETABLE CROPS

| COMMODITY                             | YEAR        | ACRES     | VALUE            |
|---------------------------------------|-------------|-----------|------------------|
| MISCELLANEOUS VEGETABLES <sup>1</sup> | <b>2015</b> | <b>21</b> | <b>\$296,002</b> |
|                                       | <b>2014</b> | <b>24</b> | <b>\$286,309</b> |

<sup>1</sup> INCLUDES PUMPKINS, BEANS, SWEET CORN, GARLIC, HERBS, PEAS, POTATOES, SQUASH, TOMATOES, ETC.

## FIELD AND SEED CROPS

| COMMODITY  | YEAR        | ACREAGE       | RETURNS<br>( \$ ACRE) | VALUE              |
|--|-------------|---------------|-----------------------|--------------------|
| IRRIGATED PASTURE  | <b>2015</b> | <b>700</b>    | <b>\$100</b>          | <b>\$70,000</b>    |
|  | 2014        | 700           | \$100                 | \$70,000           |
| RANGE  | <b>2015</b> | <b>90,000</b> | <b>\$8.50</b>         | <b>\$765,000</b>   |
|  | 2014        | 90,000        | \$8.00                | \$720,000          |
| MISCELLANEOUS <sup>1</sup>   | <b>2015</b> | <b>2,505</b>  | <b>VARIES</b>         | <b>\$1,124,865</b> |
|  | 2014        | 2,500         | VARIES                | \$1,810,000        |
| <b>TOTAL</b>   | <b>2015</b> | <b>93,205</b> |                       | <b>\$1,959,865</b> |
|  | 2014        | 93,200        |                       | \$2,600,000        |
| <sup>1</sup> INCLUDES WILD RICE, OAT HAY, ALFALFA, GRASS HAY, HOPS, AND GRAINS |             |               |                       |                    |



## TIMBER HARVEST <sup>1</sup>

| ITEM  | YEAR        | MBF <sup>1</sup> | VALUE <sup>2</sup> |
|---|-------------|------------------|--------------------|
| TIMBER YIELD  | <b>2015</b> | <b>330</b>       | <b>\$29,447</b>    |
|   | 2014        | 1721             | \$397,690          |
| <sup>1</sup> Values furnished by the California State Board of Equalization |             |                  |                    |
| <sup>2</sup> Quantity of timber cut and scaled (Thousand Board Feet)        |             |                  |                    |

# SUSTAINABLE AGRICULTURE REPORT

## BIOLOGICAL CONTROL

BIOLOGICAL CONTROL IS THE DELIBERATE USE OF NATURAL ENEMIES TO SUPPRESS OR MANAGE PEST POPULATIONS AT ACCEPTABLE LEVELS.

| PEST                 | AGENT / MECHANISM   | SCOPE OF PROGRAM |
|----------------------|---------------------|------------------|
| BULL THISTLE         | GALL FLY            | Established      |
| ITALIAN THISTLE      | SEED HEAD WEEVIL    | Established      |
| KLAMATH WEED         | KLAMATH WEED BEETLE | Established      |
| YELLOW STAR THISTLE  | SEED HEAD WEEVIL    | Established      |
|                      | GALL FLY            |                  |
|                      | FLOWER WEEVIL       |                  |
|                      | HAIRY WEEVIL        |                  |
| RED GUM LERP PSYLLID | WASP                | Established      |
| PUNCTURE VINE        | STEM BORING WEEVIL  | Established      |

## PEST ERADICATION

THE FOLLOWING PESTS WERE UNDER ACTIVE CONTROL AND ERADICATION DURING THE YEAR: DALMATIAN TOADFLAX, SCOTCH THISTLE, PLUMELESS THISTLE, ARTICHOKE THISTLE, PURPLE STAR THISTLE, OBLONG SPURGE, CANADA THISTLE, SKELETON WEED, DYERS WOAD, STINKWORT, GOATS RUE AND HYDRILLA\*.

\* HYDRILLA IS A CDFA PROGRAM.

## EXOTIC INSECT PESTS <sup>1</sup>

| URBAN TRAPS |  | PROGRAM HOURS |
|-------------|--|---------------|
| 291         |  | 835           |

<sup>1</sup> INCLUDES TRAPS FOR MEDITERRANEAN FRUIT FLY, ORIENTAL FRUIT FLY, MELON FLY, GYPSY MOTH AND JAPANESE BEETLE

## GLASSY-WINGED SHARPSHOOTER TRAPPING

| URBAN TRAPS | NURSERY TRAPS | PROGRAM HOURS |
|-------------|---------------|---------------|
| 104         | 13            | 384           |

## GLASSY-WINGED SHARPSHOOTER NURSERY SHIPMENT INSPECTIONS

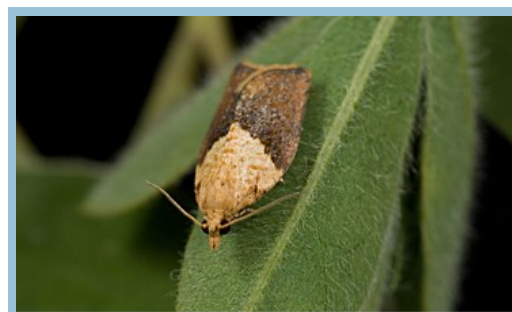
| NUMBER OF INSPECTIONS |  | PROGRAM HOURS |
|-----------------------|--|---------------|
| 11                    |  | 27.5          |

## LIGHT BROWN APPLE MOTH

| TRAPS DEPLOYED | NURSERY TRAPS | PROGRAM HOURS |
|----------------|---------------|---------------|
| 103            | 13            | 120           |

## EUROPEAN GRAPEVINE MOTH

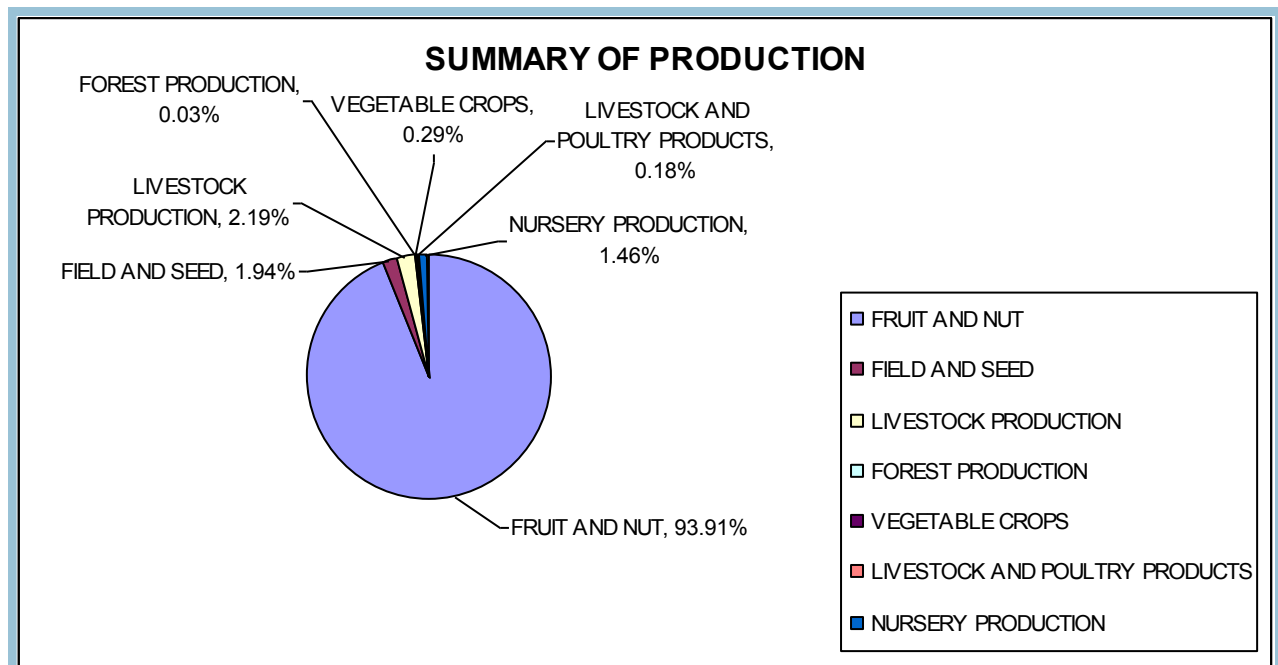
| TRAPS DEPLOYED |  | PROGRAM HOURS |
|----------------|--|---------------|
| 10             |  | 120           |



## SUMMARY OF PRODUCTION

|                                |      |                                  |
|--------------------------------|------|----------------------------------|
| FRUIT AND NUT                  | 2015 | <b>\$94,977,570</b>              |
|                                | 2014 | <b>\$85,560,872 <sup>1</sup></b> |
|                                |      |                                  |
| FIELD AND SEED                 | 2015 | <b>\$1,959,865</b>               |
|                                | 2014 | <b>\$2,600,000</b>               |
|                                |      |                                  |
| LIVESTOCK PRODUCTION           | 2015 | <b>\$2,219,530</b>               |
|                                | 2014 | <b>\$2,306,555</b>               |
|                                |      |                                  |
| FOREST PRODUCTION              | 2015 | <b>\$29,447</b>                  |
|                                | 2014 | <b>\$397,690</b>                 |
|                                |      |                                  |
| VEGETABLE CROPS                | 2015 | <b>\$296,002</b>                 |
|                                | 2014 | <b>\$286,309</b>                 |
|                                |      |                                  |
| LIVESTOCK AND POULTRY PRODUCTS | 2015 | <b>\$179,034</b>                 |
|                                | 2014 | <b>\$137,760</b>                 |
|                                |      |                                  |
| NURSERY PRODUCTION             | 2015 | <b>\$1,474,200</b>               |
|                                | 2014 | <b>\$941,566</b>                 |
|                                |      |                                  |
| <b>TOTAL</b>                   | 2015 | <b>\$101,135,648</b>             |
|                                | 2014 | <b>\$92,230,752</b>              |

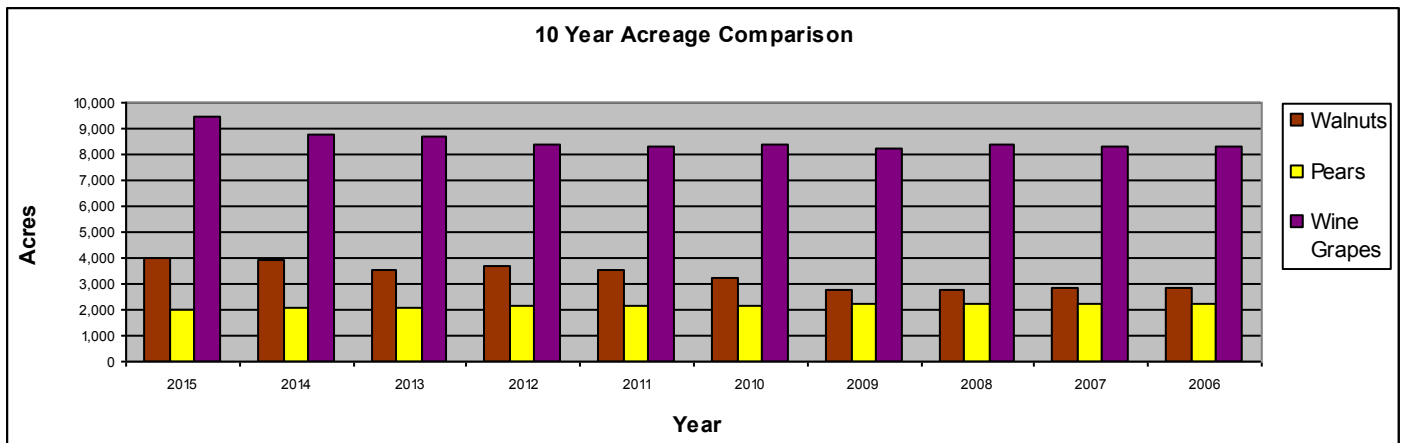
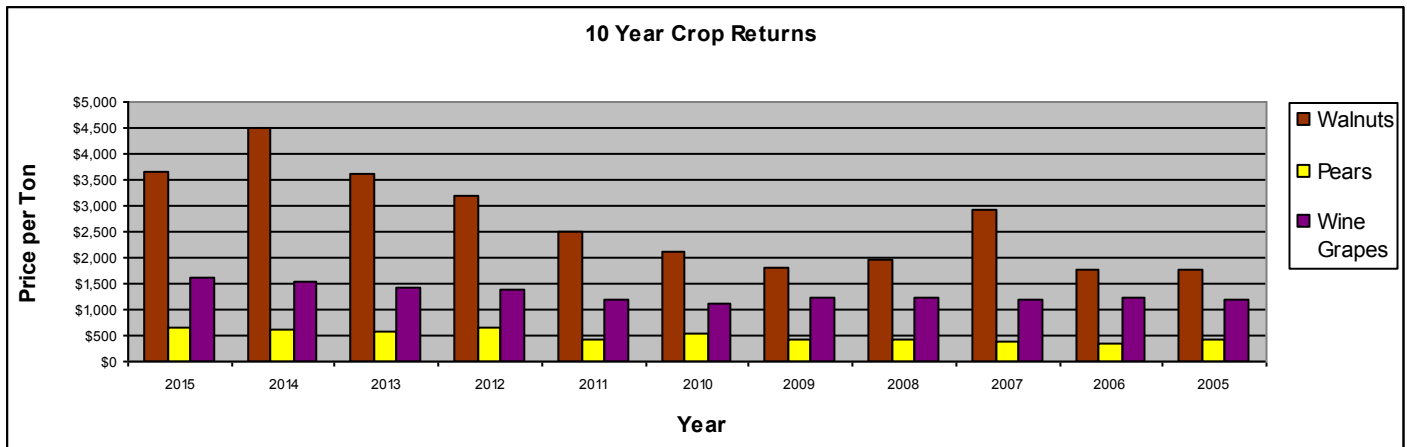
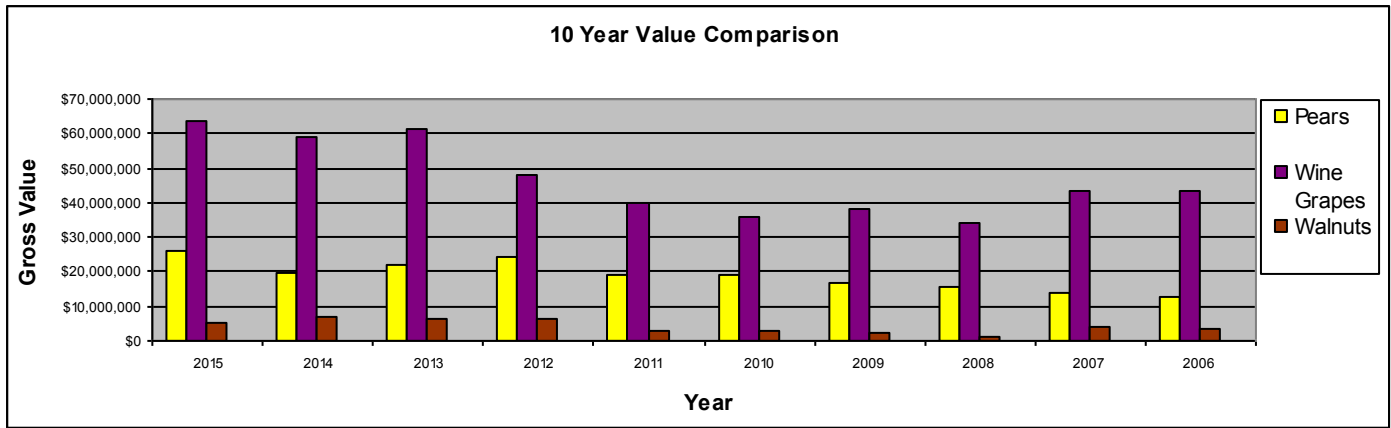
<sup>1</sup> Fruit and Nut total value was adjusted to reflect the revision in the 2014 pear statistics.



## 5 Year Value Comparison

| Year | Fruit & Nut               | Livestock Production | Livestock & Poultry Products | Nursery Production | Vegetable Production | Field & Seed Crops | Timber    | Total Value   |
|------|---------------------------|----------------------|------------------------------|--------------------|----------------------|--------------------|-----------|---------------|
| 2015 | \$94,977,570              | \$2,219,530          | \$179,034                    | \$1,474,200        | \$296,002            | \$1,959,865        | \$29,447  | \$101,135,648 |
| 2014 | \$85,560,872 <sup>1</sup> | \$2,306,555          | \$137,760                    | \$941,566          | \$286,309            | \$2,600,000        | \$397,690 | \$92,230,752  |
| 2013 | \$89,567,410              | \$2,718,983          | \$135,685                    | \$940,458          | \$411,255            | \$2,217,400        | \$181,920 | \$96,173,111  |
| 2012 | \$78,634,818              | \$2,390,555          | \$149,321                    | \$1,443,295        | \$344,182            | \$1,872,340        | \$7,900   | \$84,842,411  |
| 2011 | \$62,136,847              | \$1,959,100          | \$113,121                    | \$793,107          | \$295,894            | \$148,300          | \$45,915  | \$66,824,284  |

<sup>1</sup> Fruit and Nut total value was adjusted to reflect the revision in the 2014 pear statistics.



## Lake County Board of Supervisors

District 1: Jim Comstock

District 2: Jeff Smith

District 3: Jim Steele

District 4: Anthony Farrington

District 5: Rob Brown



## 2015 Agricultural Commissioner Staff

**Agricultural Commissioner**

**Sealer of Weights and Measures**

Steven Hajik

**Deputy Agricultural Commissioner**

**Deputy Sealer of Weights and Measures**

Kristine Eutenier



**Secretary**

Kelli Hanlon

**Agricultural Biologists**

**Weights and Measures Inspectors**

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**(Insect Trappers)**

Joe Sylva

Carl Bray

**Wildlife Services Staff**

Chris McLaury

Tony Lombardi



# *Lake County* *Department of Agriculture*



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It is my pleasure to present the Lake County Agricultural Report for the year 2016 in accordance with sections 2272 and 2279 of the California Agriculture Code. The gross value of Lake County Agriculture production for 2016 was \$113,829,790. This is an increase of 12%. The increase can be attributed to an increase in the value of the wine grape and and timber industries. **This report represents gross agricultural receipts and does not reflect production costs or net income to the producers.**

The gross value of wine grapes was \$78,643,584 an increase of 24% from 2015. The total tonnage was 46,528 and the total grape acreage was 9,420, an increase of 635 acres. The tons per acre increased by 15% and the average price per ton increased by 3%. The wine grape return (price per ton) continues to increase each year.

In 2016 the gross value of pears was \$20,849,889, a decrease of 21% from 2015. The total production decreased by 8,114 tons, and the price per ton increased slightly. The pear acreage remained the same at 2,034 acres.

Timber production went from \$28,447 to \$5,101,380 due to salvage logging.

The gross value of walnuts was \$3,674,529, a decrease of 32% and production slightly decreased. The price per ton decreased by 31% and acreage decreased by 100 acres.

Increases were noted in field crops (14%) and miscellaneous fruit (3%). Decreases were noted in nursery production (37%), livestock production (18%), vegetables (22%) and livestock and poultry products (6%).

The gross value of pears in this report represents the value of the pears after they are packed and processed. The figures do not indicate the value of the pears at the time of harvest or the gross income of the producers. The gross value of all other commodities in this report represent the value of each commodity at the time of harvest.

I wish to express my appreciation to the many individuals and organizations who contributed to making this report possible.

Respectfully submitted,

*Steven Hajik*

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Agricultural Commissioner/Sealer of Weights and Measures



## 2016 FRUIT AND NUT CROPS

| COMMODITY  | MARKET TYPE         | YEAR | PRODUCTION (TONS)   | YIELD (TONS / ACRE) | RETURNS \$ / Ton | GROSS VALUE               | BEARING ACRES |
|--|---------------------|------|---------------------|---------------------|------------------|---------------------------|---------------|
| <b>WINE GRAPES</b>   |                     |      |                     |                     |                  |                           |               |
| WHITES   |                     | 2016 | 20,160              | 7.2                 | \$1,170          | \$23,587,200              | 2,776         |
|  |                     | 2015 | 15,565              | 5.5                 | \$1,154          | \$17,972,823              | 2,809         |
| REDS   |                     | 2016 | 26,368              | 4.8                 | \$2,088          | \$55,056,384              | 5,449         |
|  |                     | 2015 | 23,221              | 4.4                 | \$1,955          | \$45,417,358              | 5,254         |
| TOTAL ALL WINE GRAPES  |                     | 2016 | 46,528              | 5.6                 | \$1,690          | \$78,643,584              | 8,225         |
|  |                     | 2015 | 38,786              | 4.8                 | \$1,634          | \$63,390,181              | 8,063         |
| <b>PEARS</b>   |                     |      |                     |                     |                  |                           |               |
| BARTLETT INCLUDING RED   | FRESH               | 2016 | 11,502              |                     | \$1,009          | \$11,605,518              |               |
|  |                     | 2015 | 14,866              |                     | \$980            | \$14,580,777              |               |
|  | CANNERY             | 2016 | 17,175              |                     | \$425            | \$7,299,375               |               |
|  |                     | 2015 | 19,374              |                     | \$414            | \$8,011,336               |               |
|  | BY-PRODUCTS & Juice | 2016 | 1,949               |                     | \$260            | \$506,740                 |               |
|  |                     | 2015 | 3,263               |                     | \$325            | \$1,058,826               |               |
| TOTAL BARTLETT   |                     | 2016 | 30,626              | 16.4                | \$634            | \$19,411,633              | 1,863         |
|  |                     | 2015 | 37,503              | 20.1                | \$631            | \$23,650,938              | 1,863         |
| All Other <sup>1</sup><br>(INCLUDES; ASIAN, BOSC, COMICE, SECK-EL) | FRESH               | 2016 | 1,193               |                     | \$1,135          | \$1,354,055               |               |
|  |                     | 2015 | 2,151               |                     | \$1,099          | \$2,365,016               |               |
|  | BY-PRODUCTS         | 2016 | 585                 |                     | \$144            | \$84,201                  |               |
|  |                     | 2015 | 864                 |                     | \$95             | \$82,216                  |               |
| TOTAL OTHER  |                     | 2016 | 1,778               | 12.0                | \$809            | \$1,438,256               | 148           |
|  |                     | 2015 | 3,015               | 20.4                | \$812            | \$2,447,232               | 148           |
| TOTAL ALL PEARS  |                     | 2016 | 32,404              | 16.1                | \$643            | \$20,849,889              | 2,011         |
|  |                     | 2015 | 40,518 <sup>1</sup> | 20.1 <sup>1</sup>   | \$644            | \$26,098,171 <sup>1</sup> | 2,011         |
| <b>WALNUTS</b>   |                     |      |                     |                     |                  |                           |               |
| TOTAL ALL WALNUTS  |                     | 2016 | 1,466               | .40                 | \$2,507          | \$3,674,529               | 3,650         |
|  |                     | 2015 | 1,479               | .39                 | \$3,640          | \$5,383,560               | 3,750         |
| <b>MISCELLANEOUS FRUITS &amp; NUTS</b>                             |                     |      |                     |                     |                  |                           |               |
| Olives   |                     | 2016 | 67                  | 1                   | \$650            | \$43,550                  | 67            |
|  |                     | 2015 | 65                  | 1                   | \$650            | \$42,250                  | 65            |
| MISCELLANEOUS <sup>2</sup>   |                     | 2016 |                     |                     |                  | \$65,350                  | 19            |
|  |                     | 2015 |                     |                     |                  | \$55,122                  | 19            |
| TOTAL MISCELLANEOUS  |                     | 2016 |                     |                     |                  | \$108,900                 | 86            |
|  |                     | 2015 |                     |                     |                  | \$105,658                 | 84            |
| TOTAL ALL FRUIT AND NUTS   |                     | 2016 |                     |                     |                  | \$103,276,902             | 13,970        |
|  |                     | 2015 |                     |                     |                  | \$94,977,570              | 13,908        |

<sup>1</sup> . THIS IS THE FOB PRICE WHICH INCLUDES PROCESSING AND PACKING COSTS.

<sup>2</sup> INCLUDES APPLES, PEACHES, STRAWBERRIES, MELONS

## FRUIT AND NUT ACREAGE

| CROP                       |                 | Bearing Acres | Non-Bearing Acres | Total         |
|----------------------------|-----------------|---------------|-------------------|---------------|
| PEARS                      | Bartlett        | 1,863         | 15                | 1,878         |
|                            | All Other Pears | 148           | 8                 | 156           |
|                            | <b>Total</b>    | <b>2011</b>   | <b>23</b>         | <b>2,034</b>  |
| WINE GRAPES                | Whites          | 2,776         | 187               | 2,963         |
|                            | Reds            | 5,449         | 1,008             | 6,457         |
|                            | <b>Total</b>    | <b>8,225</b>  | <b>1,195</b>      | <b>9,420</b>  |
| WALNUTS                    |                 | <b>3,650</b>  | <b>266</b>        | <b>3,916</b>  |
| OLIVES                     |                 | <b>67</b>     | <b>0</b>          | <b>67</b>     |
| MISCELLANEOUS <sup>1</sup> |                 | <b>19</b>     | <b>0</b>          | <b>19</b>     |
| <b>TOTAL</b>               |                 | <b>13,972</b> | <b>1,484</b>      | <b>15,456</b> |

<sup>1</sup>Includes Apples, Peaches, Strawberries, Melons, Etc.



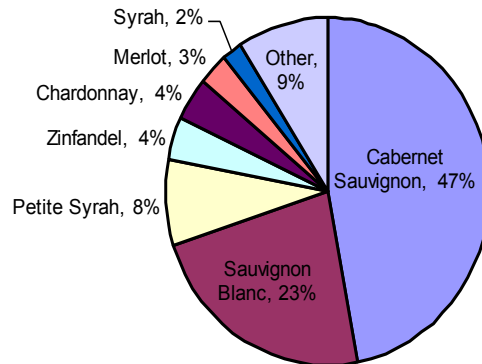
## NURSERY PRODUCTION

| YEAR        | GREENHOUSE SQ. FEET | FIELD ACRES  | VALUE              |
|-------------|---------------------|--------------|--------------------|
| <b>2016</b> | <b>17,070</b>       | <b>43.12</b> | <b>\$924,658</b>   |
| <b>2015</b> | <b>20,350</b>       | <b>46.7</b>  | <b>\$1,474,200</b> |

## Top Wine Grape Varieties

| Variety            | Tons Crushed | Weighted Average Returns | Total        |
|--------------------|--------------|--------------------------|--------------|
| Cabernet Sauvignon | 15,664       | \$2,345                  | \$36,732,080 |
| Sauvignon Blanc    | 15,814       | \$1,155                  | \$18,265,170 |
| Petite Syrah       | 3,394        | \$1,880                  | \$6,380,720  |
| Zinfandel          | 1,858        | \$1,596                  | \$2,965,368  |
| Chardonnay         | 2,380        | \$1,254                  | \$2,984,520  |
| Merlot             | 1,625        | \$1,391                  | \$2,260,375  |
| Syrah              | 1,076        | \$1,619                  | \$1,742,044  |
| All Other          | 4,717        | VARIES                   | \$7,313,307  |

**Top Wine Grape Varieties Based On Value**



## All Other Wine Grape Varieties

|                |              |                  |                |
|----------------|--------------|------------------|----------------|
| Aglianico      | Albarino     | Barbera          | Cabernet Franc |
| Carignane      | Chenin Blanc | Cinsaut          | Counoise       |
| Gewurztraminer | Grenache     | Grenache Blanc   | Malbec         |
| Marsanne       | Mataro       | Muscat Blanc     | Muscat Orange  |
| Nebbiolo       | Petit Verdot | Pinot Gris       | Pinot Noir     |
| Primitivo      | Sangiovese   | Sauvignon Musque | Semillon       |
| Souzao         | Tempranillo  | Touriga Nacional | Trousseau      |
| Vementino      | Viognier     | White Riesling   |                |

## LIVESTOCK PRODUCTION

| COMMODITY                  | YEAR        | NO. OF HEAD  | TOTAL CWT <sup>1</sup><br>(LIVE WT) | VALUE PER CWT | VALUE              |
|----------------------------|-------------|--------------|-------------------------------------|---------------|--------------------|
| CATTLE AND CALVES          | <b>2016</b> | <b>1,980</b> | <b>10,890</b>                       | <b>\$170</b>  | <b>\$1,851,300</b> |
|                            | <b>2015</b> | <b>2,000</b> | <b>9,500</b>                        | <b>\$230</b>  | <b>\$2,185,000</b> |
| MISCELLANEOUS <sup>2</sup> | <b>2016</b> |              |                                     |               | <b>\$41,250</b>    |
|                            | <b>2015</b> |              |                                     |               | <b>\$34,530</b>    |
| TOTALS                     | <b>2016</b> |              |                                     |               | <b>\$1,892,550</b> |
|                            | <b>2015</b> |              |                                     |               | <b>\$2,306,555</b> |

<sup>1</sup> CWT = 100 POUNDS

<sup>2</sup> INCLUDES GOATS, SHEEP, HOGS, RABBITS, MEAT CHICKENS, AND OTHER MEAT BIRDS



## LIVESTOCK AND POULTRY PRODUCTS

|                            | YEAR        |  |  | VALUE            |
|----------------------------|-------------|--|--|------------------|
| MISCELLANEOUS <sup>1</sup> | <b>2016</b> |  |  | <b>\$168,300</b> |
|                            | <b>2015</b> |  |  | <b>\$179,034</b> |

<sup>1</sup> INCLUDES EGGS, CHEESE, WOOL, AND HONEY

## ORGANIC <sup>1</sup> FARMING STATISTICS

| CROPS 2016               | NUMBER OF FARMS | ACRES        | VALUE              |
|--------------------------|-----------------|--------------|--------------------|
| WALNUTS                  | 57              | 1,766        |                    |
| WINE GRAPES              | 17              | 403          |                    |
| MISCELLANEOUS VEGETABLES | 11              | 19           |                    |
| PEARS                    | 4               | 184          |                    |
| MISCELLANEOUS FRUIT      | 13              | 6            |                    |
| OLIVES                   | 6               | 29           |                    |
| GRAINS <sup>2</sup>      | 1               | 5            |                    |
| <b>TOTAL</b>             | <b>109</b>      | <b>2,412</b> | <b>\$7,120,257</b> |

1 REGISTERED ORGANIC WITH THE LAKE COUNTY AGRICULTURAL COMMISSIONER

2 ORGANIC GRAINS, INCLUDING HOPS

| ORGANIC WALNUTS | ACRES | VALUE       |
|-----------------|-------|-------------|
|                 | 1,766 | \$2,347,098 |



## VEGETABLE CROPS

| COMMODITY                             | YEAR | ACRES | VALUE     |
|---------------------------------------|------|-------|-----------|
| MISCELLANEOUS VEGETABLES <sup>1</sup> | 2016 | 18    | \$230,500 |
|                                       | 2015 | 21    | \$296,002 |

<sup>1</sup> INCLUDES PUMPKINS, BEANS, SWEET CORN, GARLIC, HERBS, PEAS, POTATOES, SQUASH, TOMATOES, ETC.

## FIELD AND SEED CROPS

| COMMODITY  | YEAR        | ACREAGE       | RETURNS<br>( \$ ACRE) | VALUE              |
|--|-------------|---------------|-----------------------|--------------------|
| IRRIGATED PASTURE  | <b>2016</b> | <b>700</b>    | <b>\$100</b>          | <b>\$70,000</b>    |
|  | 2015        | 700           | \$100                 | \$70,000           |
| RANGE  | <b>2016</b> | <b>90,000</b> | <b>\$8.50</b>         | <b>\$765,000</b>   |
|  | 2015        | 90,000        | \$8.50                | \$765,000          |
| MISCELLANEOUS <sup>1</sup>   | <b>2016</b> | <b>2,450</b>  | <b>VARIABLES</b>      | <b>\$1,400,500</b> |
|  | 2015        | 2,505         | VARIABLES             | \$1,124,865        |
| <b>TOTAL</b>   | <b>2016</b> | <b>93,150</b> |                       | <b>\$2,235,500</b> |
|  | 2015        | 93,205        |                       | \$1,959,865        |
| <sup>1</sup> INCLUDES WILD RICE, OAT HAY, ALFALFA, GRASS HAY, HOPS, AND GRAINS |             |               |                       |                    |



## TIMBER HARVEST <sup>1</sup>

| ITEM         | YEAR        | MBF <sup>1</sup> | VALUE <sup>2</sup> |
|--------------|-------------|------------------|--------------------|
| TIMBER YIELD | <b>2016</b> | <b>55,367</b>    | <b>\$5,101,380</b> |
|              | 2015        | 330              | \$29,447           |

<sup>1</sup> Values furnished by the California State Board of Equalization

<sup>2</sup> Quantity of timber cut and scaled (Thousand Board Feet)

# SUSTAINABLE AGRICULTURE REPORT

## BIOLOGICAL CONTROL

BIOLOGICAL CONTROL IS THE DELIBERATE USE OF NATURAL ENEMIES TO SUPPRESS OR MANAGE PEST POPULATIONS AT ACCEPTABLE LEVELS.

| PEST                 | AGENT / MECHANISM   | SCOPE OF PROGRAM |
|----------------------|---------------------|------------------|
| BULL THISTLE         | GALL FLY            | Established      |
| ITALIAN THISTLE      | SEED HEAD WEEVIL    | Established      |
| KLAMATH WEED         | KLAMATH WEED BEETLE | Established      |
| YELLOW STAR THISTLE  | SEED HEAD WEEVIL    | Established      |
|                      | GALL FLY            |                  |
|                      | FLOWER WEEVIL       |                  |
|                      | HAIRY WEEVIL        |                  |
| RED GUM LERP PSYLLID | WASP                | Established      |
| PUNCTURE VINE        | STEM BORING WEEVIL  | Established      |

## PEST ERADICATION

THE FOLLOWING PESTS WERE UNDER ACTIVE CONTROL AND ERADICATION DURING THE YEAR: DALMATIAN TOADFLAX, SCOTCH THISTLE, PLUMELESS THISTLE, ARTICHOKE THISTLE, PURPLE STAR THISTLE, OBLONG SPURGE, CANADA THISTLE, SKELETON WEED, DYERS WOAD, STINKWORT, GOATS RUE AND HYDRILLA\*.

\* HYDRILLA IS A CDFA PROGRAM.

## EXOTIC INSECT PESTS <sup>1</sup>

| URBAN TRAPS |  | PROGRAM HOURS |
|-------------|--|---------------|
| 287         |  | 1,078         |

<sup>1</sup> INCLUDES TRAPS FOR MEDITERRANEAN FRUIT FLY, ORIENTAL FRUIT FLY, MELON FLY, GYPSY MOTH AND JAPANESE BEETLE

## GLASSY-WINGED SHARPSHOOTER TRAPPING

| URBAN TRAPS | NURSERY TRAPS | PROGRAM HOURS |
|-------------|---------------|---------------|
| 99          | 13            | 405           |

## GLASSY-WINGED SHARPSHOOTER NURSERY SHIPMENT INSPECTIONS

| NUMBER OF INSPECTIONS |  | PROGRAM HOURS |
|-----------------------|--|---------------|
| 18                    |  | 30.5          |

## LIGHT BROWN APPLE MOTH

| TRAPS DEPLOYED | NURSERY TRAPS | PROGRAM HOURS |
|----------------|---------------|---------------|
| 90             | 11            | 87            |

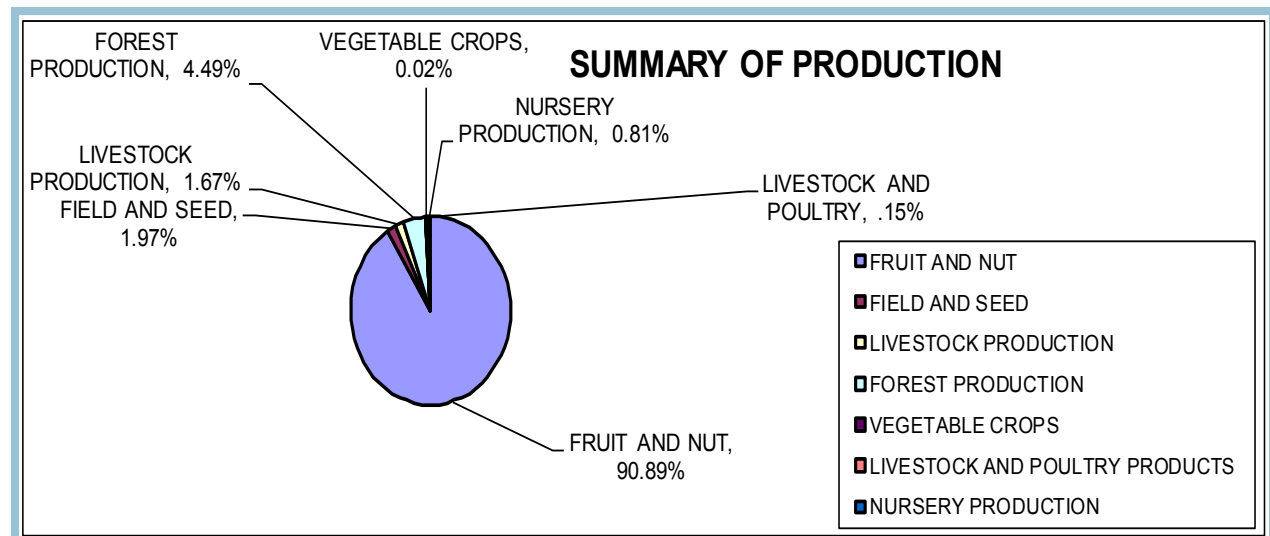
## EUROPEAN GRAPEVINE MOTH

| TRAPS DEPLOYED |  | PROGRAM HOURS |
|----------------|--|---------------|
| 10             |  | 120           |



## SUMMARY OF PRODUCTION

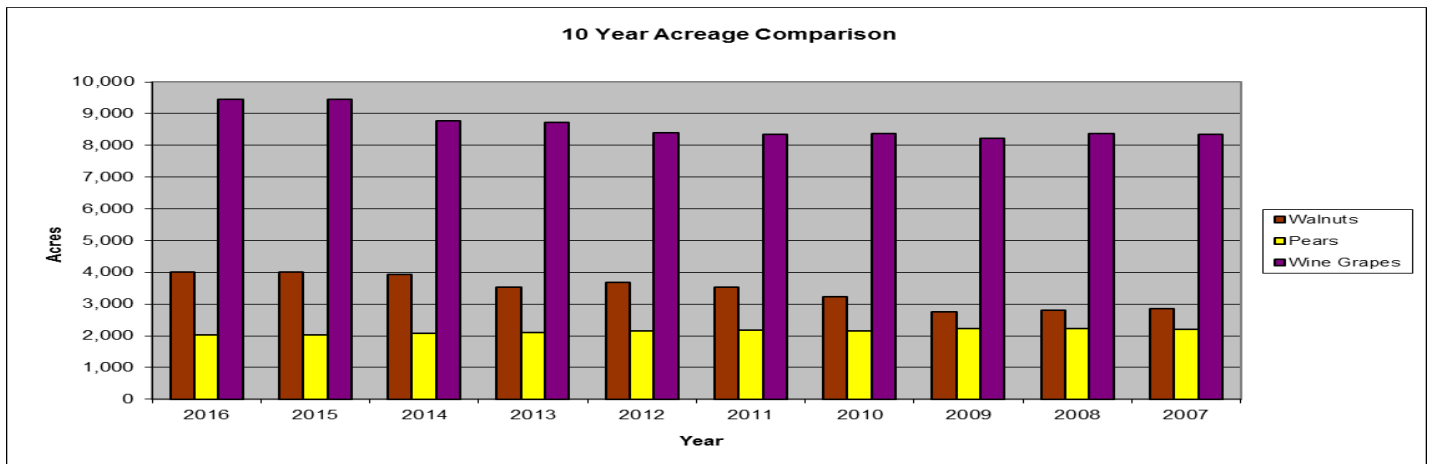
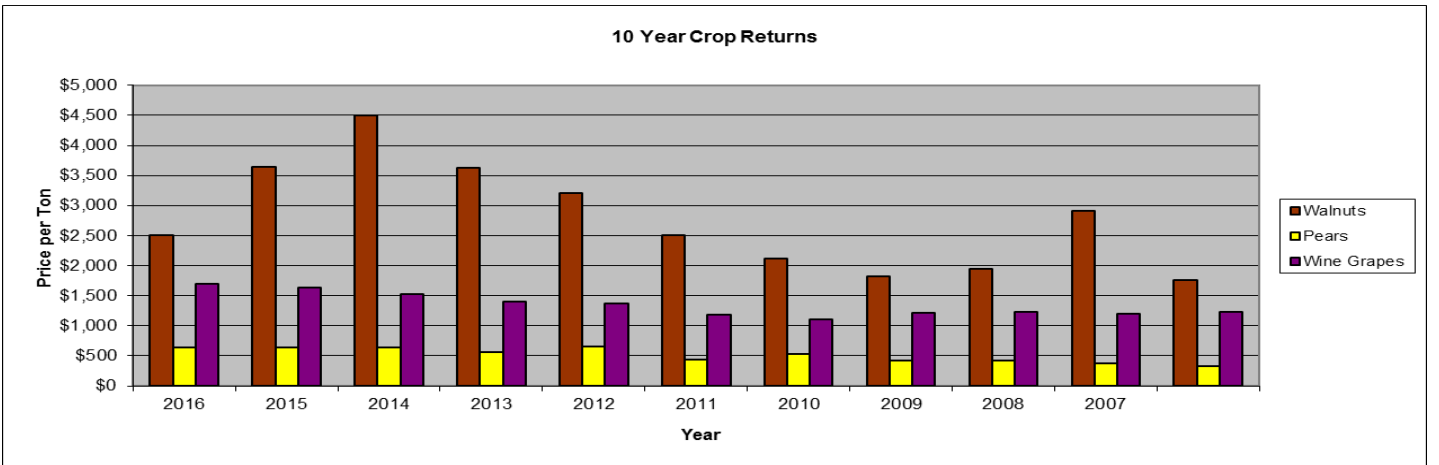
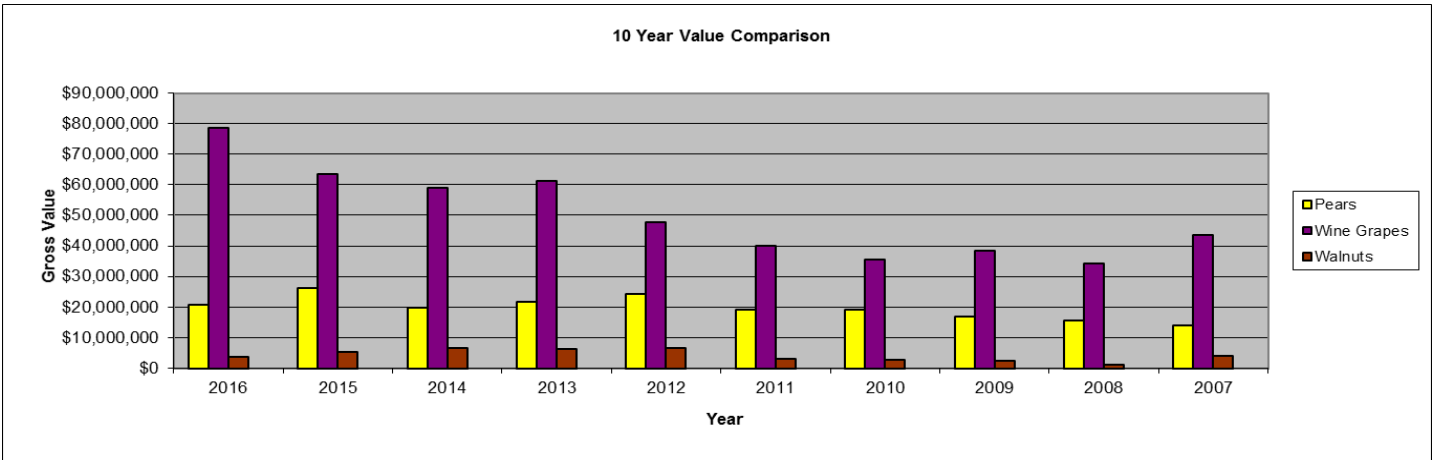
|                                |      |                      |
|--------------------------------|------|----------------------|
| FRUIT AND NUT                  | 2016 | <b>\$103,276,902</b> |
|                                | 2015 | <b>\$94,977,570</b>  |
|                                |      |                      |
| FIELD AND SEED                 | 2016 | <b>\$2,235,500</b>   |
|                                | 2015 | <b>\$1,959,865</b>   |
|                                |      |                      |
| LIVESTOCK PRODUCTION           | 2016 | <b>\$1,892,550</b>   |
|                                | 2015 | <b>\$2,306,555</b>   |
|                                |      |                      |
| FOREST PRODUCTION              | 2016 | <b>\$5,101,380</b>   |
|                                | 2015 | <b>\$29,447</b>      |
|                                |      |                      |
| VEGETABLE CROPS                | 2016 | <b>\$230,500</b>     |
|                                | 2015 | <b>\$296,002</b>     |
|                                |      |                      |
| LIVESTOCK AND POULTRY PRODUCTS | 2016 | <b>\$168,300</b>     |
|                                | 2015 | <b>\$179,034</b>     |
|                                |      |                      |
| NURSERY PRODUCTION             | 2016 | <b>\$924,658</b>     |
|                                | 2015 | <b>\$1,474,200</b>   |
|                                |      |                      |
| <b>TOTAL</b>                   | 2016 | <b>\$113,829,790</b> |
|                                | 2015 | <b>\$101,222,673</b> |





## 5 Year Value Comparison

| Year | Fruit & Nut   | Livestock Production | Livestock & Poultry Products | Nursery Production | Vegetable Production | Field & Seed Crops | Timber      | Total Value   |
|------|---------------|----------------------|------------------------------|--------------------|----------------------|--------------------|-------------|---------------|
| 2016 | \$103,276,902 | \$1,892,550          | \$168,300                    | \$924,658          | \$230,500            | \$2,235,500        | \$5,101,380 | \$113,829,790 |
| 2015 | \$94,977,570  | \$2,306,555          | \$179,034                    | \$1,474,200        | \$296,002            | \$1,959,865        | \$29,447    | \$101,222,673 |
| 2014 | \$85,560,872  | \$2,306,555          | \$137,760                    | \$941,566          | \$286,309            | \$2,600,000        | \$397,690   | \$92,230,752  |
| 2013 | \$89,567,410  | \$2,718,983          | \$135,685                    | \$940,458          | \$411,255            | \$2,217,400        | \$181,920   | \$96,173,111  |
| 2012 | \$78,634,818  | \$2,390,555          | \$149,321                    | \$1,443,295        | \$344,182            | \$1,872,340        | \$7,900     | \$84,842,411  |



## Lake County Board of Supervisors

District 1: Jim Comstock

District 2: Jeff Smith

District 3: Jim Steele

District 4: Anthony Farrington

District 5: Rob Brown



## 2016 Agricultural Commissioner Staff

### **Agricultural Commissioner**

#### **Sealer of Weights and Measures**

Steven Hajik

### **Agricultural Biologists**

#### **Weights and Measures Inspectors**

Katherine Blyleven

Sam Upton

Joseph Lundeen

Mark Melendez

### **Deputy Agricultural Commissioner**

#### **Deputy Sealer of Weights and Measures**

Kristine Eutenier (Ret.)

Katherine VanDerWall

### **Secretary**

Kelli Hanlon

### **Agricultural Aides (Insect Trappers)**

Joe Sylva

Carl Bray



### **Wildlife Services Staff**

Chris McLaury



# *Lake County Department of Agriculture*



## *Annual Crop Report 2017*



**COUNTY OF LAKE**  
**Department of Agriculture**  
**Department of Weights & Measures**  
**883 Lakeport Blvd.**  
**Lakeport CA 95453**  
**Phone: (707) 263-0217**  
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**STEVEN HAJIK**  
**Agricultural Commissioner**  
**Sealer of Weights & Measures**

December 18, 2018

Karen Ross, Secretary  
California Department of Food and Agriculture

The Honorable Board of Supervisors of Lake County

It is my pleasure to present the Lake County Agricultural Report for the year 2017 in accordance with sections 2272 and 2279 of the California Agriculture Code. The gross value of Lake County Agriculture production for 2017 was \$120,753,532. This is an increase of a 6% from 2016. The increase can be attributed to an increase in the value of the wine grape and pear industries. **This report represents gross agricultural receipts and does not reflect production costs or net income to the producers.**

The gross value of wine grapes was \$85,178,871 which is an increase of 8% from 2016. The total tonnage was 47,857 and the total grape acreage was 9,508, an increase of 88 acres. The tons per acre decreased by 1% and the average price per ton increased by 5%. The wine grape return (price per ton) continues to increase each year.

In 2017, the gross value of pears was \$26,925,883, an increase of 25% from 2016. The total production increased by 10,940 tons, and the price per ton decreased by 3%. The pear acreage remained the same at 2,034 acres.

The gross value of walnuts was \$3,659,600, a decrease of less than 1% and the production decreased by 10%. The price per ton increased by 11% and acreage decreased by 100 acres.

There was an Increase in the nursery production (6%). Decreases were noted in timber harvest (2,900%), livestock production (19%), field and seed crops (17%), vegetables (9%), and livestock and poultry products (5%).

The gross value of pears in this report represents the value of the pears after they are packed and processed. The figures do not indicate the value of the pears at the time of harvest or the gross income of the producers. The gross value of all other commodities in this report represent the value of each commodity at the time of harvest.

I wish to express my appreciation to the many individuals and organizations who contributed to making this report possible.

Respectfully submitted,

***Steven Hajik***

Steven Hajik  
Agricultural Commissioner/Sealer of Weights and Measures

## Fruit and Nut Crops

| COMMODITY   | MARKET TYPE | YEAR | PRODUCTION (Tons) | YIELD (Tons/Acre) | RETURNS \$ /Ton | GROSS VALUE   | BEARING ACRES |
|---|-------------|------|-------------------|-------------------|-----------------|---------------|---------------|
| <b>WINE GRAPES</b>  |             |      |                   |                   |                 |               |               |
| WHITES  |             | 2017 | 18,282            | 6.4               | \$1,228         | \$22,450,296  | 2,836         |
|   |             | 2016 | 20,160            | 7.2               | \$1,170         | \$23,587,200  | 2,776         |
| REDS  |             | 2017 | 29,575            | 5.0               | \$2,121         | \$62,728,575  | 5,935         |
|   |             | 2016 | 26,368            | 4.8               | \$2,088         | \$55,056,384  | 5,449         |
| TOTAL (ALL WINE GRAPES)                                     |             | 2017 | 47,857            | 5.5               | \$1,780         | \$85,178,871  | 8,771         |
|   |             | 2016 | 46,528            | 5.7               | \$1,690         | \$78,643,584  | 8,225         |
| <b>PEARS</b>  |             |      |                   |                   |                 |               |               |
| BARTLETT <sup>1</sup><br>(INCLUDES RED)                     | FRESH       | 2017 | 16,276            |                   | \$950           | \$15,466,504  |               |
|   |             | 2016 | 11,502            |                   | \$1,009         | \$11,605,518  |               |
|   | CANNERY     | 2017 | 21,046            |                   | \$401           | \$8,433,882   |               |
|   |             | 2016 | 17,175            |                   | \$425           | \$7,299,375   |               |
|   | BY-PRODUCTS | 2017 | 3,473             |                   | \$191           | \$662,528     |               |
|   |             | 2016 | 1,949             |                   | \$260           | \$506,740     |               |
| TOTAL BARTLETT  |             | 2017 | 40,795            | 21.9              | \$602           | \$24,562,914  | 1,863         |
|   |             | 2016 | 30,626            | 16.4              | \$634           | \$19,416,884  | 1,863         |
| All Other <sup>1</sup><br>(Asian, Bosc, Comice, and Seckel) | FRESH       | 2017 | 1,766             |                   | \$1,264         | \$2,231,889   |               |
|   |             | 2016 | 1,193             |                   | \$1,135         | \$1,354,055   |               |
|   | BY-PRODUCTS | 2017 | 783               |                   | \$167           | \$131,080     |               |
|   |             | 2016 | 585               |                   | \$144           | \$84,240      |               |
| TOTAL OTHER   |             | 2017 | 2,549             | 17.2              | \$927           | \$2,362,969   | 148           |
|   |             | 2016 | 1,778             | 12                | \$809           | \$1,438,402   | 148           |
| TOTAL (ALL PEARS)   |             | 2017 | 43,344            | 21.5              | \$621           | \$26,925,883  | 2,011         |
|   |             | 2016 | 32,404            | 16.1              | \$643           | \$20,849,889  | 2,011         |
| <b>WALNUTS</b>  |             |      |                   |                   |                 |               |               |
| TOTAL (ALL WALNUTS)   |             | 2017 | 1,307             | 0.37              | \$2,800         | \$3,659,600   | 3,550         |
|   |             | 2016 | 1,466             | 0.40              | \$2,507         | \$3,674,529   | 3,650         |
| <b>MISCELLANEOUS FRUITS &amp; NUTS</b>                      |             |      |                   |                   |                 |               |               |
| TOTAL MISCELLANEOUS <sup>2</sup>                            |             | 2017 |                   |                   |                 | \$103,500     | 60            |
|   |             | 2016 |                   |                   |                 | \$108,900     | 64            |
| TOTAL (ALL FRUIT & NUTS)                                    |             | 2017 |                   |                   |                 | \$115,867,854 | 14,392        |
|   |             | 2016 |                   |                   |                 | \$103,276,902 | 13,950        |

<sup>1</sup> This is the FOB price which includes processing and packing costs

<sup>2</sup> Includes Apples, Peaches, Strawberries, Olives, and Melons

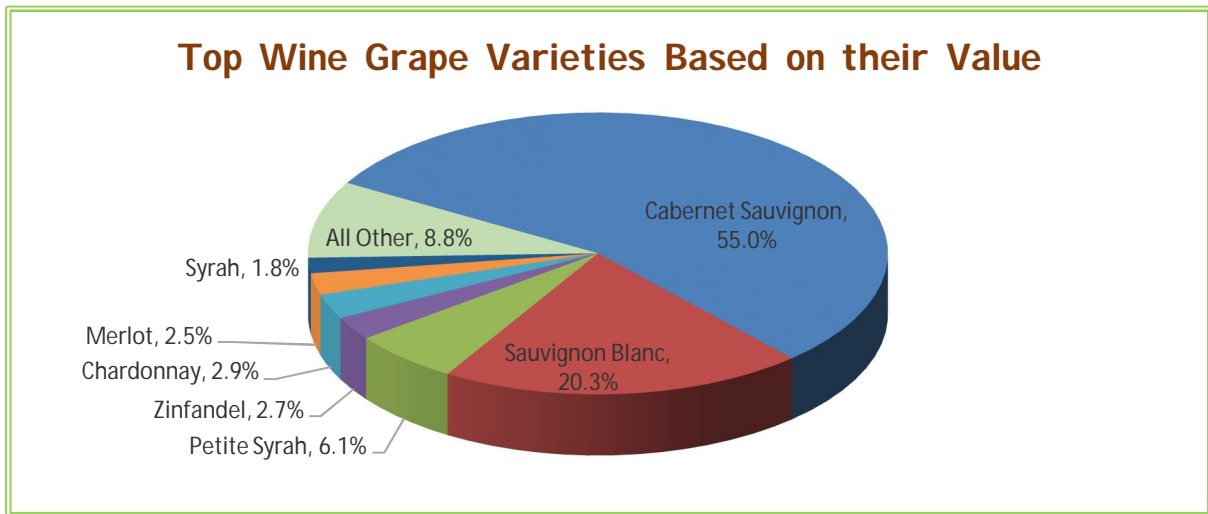
| Fruit and Nut Acreage      |                 |               |                   |               |
|----------------------------|-----------------|---------------|-------------------|---------------|
| CROP                       | Variety         | Bearing Acres | Non-Bearing Acres | Total         |
| PEARS                      | Bartlett        | 1,863         | 15                | 1,878         |
|                            | All other Pears | 148           | 8                 | 156           |
|                            | <b>Total</b>    | <b>2,011</b>  | <b>23</b>         | <b>2,034</b>  |
| WINE GRAPES                | Whites          | 2,836         | 142               | 2,978         |
|                            | Reds            | 5,935         | 595               | 6,530         |
|                            | <b>Total</b>    | <b>8,771</b>  | <b>737</b>        | <b>9,508</b>  |
| WALNUTS                    |                 | 3,550         | 200               | 3,750         |
| MISCELLANEOUS <sup>1</sup> |                 | 60            | 2                 | 62            |
| <b>TOTAL</b>               |                 | <b>14,392</b> | <b>962</b>        | <b>15,354</b> |

<sup>1</sup>Includes Apples, Peaches, Strawberries, Raspberries, Blackberries, Melons, Olives etc.



| Nursery Production |                      |             |           |
|--------------------|----------------------|-------------|-----------|
| YEAR               | GREENHOUSE (Sq. ft.) | FIELD ACRES | VALUE     |
| 2017               | 15,100               | 42          | \$980,891 |
| 2016               | 17,070               | 43          | \$924,658 |

| Top Wine Grape Varieties |               |                          |                     |
|--------------------------|---------------|--------------------------|---------------------|
| Variety                  | Tons Crushed  | Weighted Average Returns | Total               |
| Cabernet Sauvignon       | 19,764        | \$2,371                  | \$46,860,444        |
| Sauvignon Blanc          | 14,198        | \$1,219                  | \$17,307,362        |
| Petite Syrah             | 2,645         | \$1,950                  | \$5,157,750         |
| Zinfandel                | 1,756         | \$1,292                  | \$2,268,752         |
| Chardonnay               | 1,890         | \$1,297                  | \$2,451,330         |
| Merlot                   | 1,598         | \$1,311                  | \$2,094,978         |
| Syrah                    | 918           | \$1,644                  | \$1,509,192         |
| All Other                | 5,088         | Varies                   | \$7,529,063         |
| <b>Totals</b>            | <b>47,857</b> | <b>\$1,780</b>           | <b>\$85,178,871</b> |



| All Other Wine Grape Varieties |              |                  |                |
|--------------------------------|--------------|------------------|----------------|
| Aglanico                       | Albarino     | Barbera          | Cabernet Franc |
| Carignane                      | Chenin Blanc | Cinsaut          | Counoise       |
| Gewurztraminer                 | Grenache     | Grenache Blanc   | Malbec         |
| Marsanne                       | Mataro       | Muscat Blanc     | Muscat Orange  |
| Nebbiolo                       | Petit Verdot | Pinot Gris       | Pinot Noir     |
| Primitivo                      | Sangiovese   | Sauvignon Musque | Semillon       |
| Souzao                         | Tempranillo  | Touriga Nacional | Trousseau      |
| Vementino                      | Viognier     | White Riesling   |                |

## Livestock Production

| Commodity                  | Year | No. of Head | Total CWT <sup>1</sup><br>(Live Wt.) | Value/<br>Cwt | Value              |
|----------------------------|------|-------------|--------------------------------------|---------------|--------------------|
| Cattle & Calves            | 2017 | 1,975       | 9,875                                | \$150         | \$1,481,250        |
|                            | 2016 | 1,980       | 10,890                               | \$170         | \$1,851,300        |
| Miscellaneous <sup>2</sup> | 2017 |             |                                      |               | \$45,100           |
|                            | 2016 |             |                                      |               | \$41,250           |
| <b>TOTALS</b>              | 2017 |             |                                      |               | <b>\$1,526,350</b> |
|                            | 2016 |             |                                      |               | \$1,892,550        |

<sup>1</sup> CWT = hundredweight (100 pounds)

<sup>2</sup> Includes goats, sheep, hogs, rabbits, meat chickens, and other meat birds.



## Livestock and Poultry Products

| Commodity                  | Year | Value     |
|----------------------------|------|-----------|
| Miscellaneous <sup>1</sup> | 2017 | \$158,800 |
|                            | 2016 | \$168,300 |

<sup>1</sup>Includes Apiary, Eggs, Cheese, and Wool



| <b>Organic<sup>1</sup> Farming Statistics</b>   |                        |              |                    |
|---|------------------------|--------------|--------------------|
| <b>Crop</b>   | <b>NUMBER OF FARMS</b> | <b>ACRES</b> | <b>VALUE</b>       |
| Walnuts   | 50                     | 1,689        |                    |
| Wine Grapes   | 13                     | 285          |                    |
| Misc. Vegetables  | 8                      | 20           |                    |
| Pears   | 4                      | 192          |                    |
| Miscellaneous Fruits  | 10                     | 10           |                    |
| Olives  | 4                      | 27           |                    |
| Grains <sup>2</sup>   | 1                      | 5            |                    |
| <b>Total</b>  | <b>90</b>              | <b>2,228</b> | <b>\$5,409,353</b> |
| <sup>1</sup> Registered Organic with The Lake County Agricultural Commissioner and is included in the gross value of the respective commodity |                        |              |                    |
| <sup>2</sup> Organic Grains Including Hops  |                        |              |                    |

| <b>Organic Walnuts</b> | <b>Acres</b> |  | <b>Value</b> |
|------------------------|--------------|--|--------------|
|                        | 1,688        |  | \$2,107,993  |



| <b>Vegetable Crops</b>   |             |              |              |
|--|-------------|--------------|--------------|
| <b>Commodity</b>   | <b>Year</b> | <b>Acres</b> | <b>Value</b> |
| Miscellaneous Vegetables <sup>1</sup>  | 2017        | 22           | \$210,600    |
|  | 2016        | 18           | \$230,500    |
| <sup>1</sup> Includes Pumpkins, Beans, Sweet Corn, Garlic, Herbs, Peas, Potatoes, Squash, Tomatoes, etc. |             |              |              |

| <b>Field and Seed Crops</b> |             |                |                     |                    |
|-----------------------------|-------------|----------------|---------------------|--------------------|
| <b>Commodity</b>            | <b>Year</b> | <b>Acreage</b> | <b>Returns/Acre</b> | <b>\$ Value</b>    |
| Irrigated Pasture           | <b>2017</b> | <b>700</b>     | <b>\$100</b>        | <b>\$70,000</b>    |
|                             | 2016        | 700            | \$100               | \$70,000           |
| Range                       | <b>2017</b> | <b>90,000</b>  | <b>\$8.5</b>        | <b>\$765,000</b>   |
|                             | 2016        | 90,000         | \$8.5               | \$765,000          |
| Miscellaneous <sup>1</sup>  | <b>2017</b> | <b>2,150</b>   | <b>VARIES</b>       | <b>\$1,000,500</b> |
|                             | 2016        | 2,450          | VARIES              | \$1,400,500        |
| <b>TOTALS</b>               | <b>2017</b> | <b>92,850</b>  |                     | <b>\$1,835,500</b> |
|                             | 2016        | 93,150         |                     | \$2,235,500        |

<sup>1</sup>Includes Alfalfa, Oat Hay, Grass Hay, Wild Rice, Hops, and Grains



| <b>Timber Harvest<sup>1</sup></b> |             |                        |                  |
|-----------------------------------|-------------|------------------------|------------------|
| <b>Item</b>                       | <b>Year</b> | <b>MBF<sup>2</sup></b> | <b>Value</b>     |
| Timber Yield                      | <b>2017</b> | <b>2,029</b>           | <b>\$173,447</b> |
|                                   | 2016        | 55,367                 | \$5,101,380      |

<sup>1</sup> Values furnished by the California State Board of Equalization  
<sup>2</sup> Quantity of timber cut and scaled (Thousand Board Feet)

# Sustainable Agriculture Report

## BIOLOGICAL CONTROL

Biological Control is the deliberate use of natural enemies to suppress or manage pest populations at acceptable levels.

| PEST                 | AGENT/MECHANISM  | SCOPE OF PROGRAM |
|----------------------|--|------------------|
| Bull Thistle         | Gall Fly   | Established      |
| Italian Thistle      | Seed Head Weevil   | Established      |
| Klamath Weed         | Klamath Weed Beetle  | Established      |
| Yellow Starthistle   | Seed Head Weevil<br>Gall Fly<br>Flower Weevil<br>Hairy Weevil<br>Peacock Fly | Established      |
| Red Gum Lerp Psyllid | Wasp   | Established      |
| Puncture Vine        | Stem Boring Weevil   | Established      |

## PEST ERADICATION

The following pests were under active control and eradication during the year: Dalmatian Toadflax, Scotch Thistle, Plumeless Thistle, Artichoke Thistle, Purple Starthistle, Oblong Spurge, Skeleton Weed, Dyer's Wood, Canada Thistle, and Hydrilla\*.

\*Hydrilla is a CDFA Program

## PEST EXCLUSION

Pest exclusion inspections are conducted daily at the UPS terminal

| PACKAGES PROFILED | PACKAGES INSPECTED | PACKAGES REJECTED |
|-------------------|--------------------|-------------------|
| 1228              | 787                | 0                 |

## EXOTIC PESTS<sup>1</sup>

| URBAN TRAPS | PROGRAM HOURS |
|-------------|---------------|
| 287         | 1080          |

<sup>1</sup> Includes Traps for Mediterranean Fruit Fly, Oriental Fruit Fly, Melon Fly, Gypsy Moth, and Japanese Beetle

### GLASSY-WINGED SHARPSHOOTER TRAPPING

| URBAN TRAPS | NURSERY TRAPS | PROGRAM HOURS |
|-------------|---------------|---------------|
| 99          | 13            | 347           |

### GLASSY-WINGED SHARPSHOOTER NURSERY SHIPMENT INSPECTIONS

| NUMBER OF INSPECTIONS | PROGRAM HOURS |
|-----------------------|---------------|
| 5                     | 7             |

### LIGHT BROWN APPLE MOTH TRAPPING

| TRAPS DEPLOYED | NURSERY TRAPS | PROGRAM HOURS |
|----------------|---------------|---------------|
| 89             | 11            | 94            |

### EUROPEAN GRAPEVINE MOTH TRAPPING

| TRAPS DEPLOYED | PROGRAM HOURS |
|----------------|---------------|
| 361            | 1093          |



**Glassy-winged Sharp Shooter**



**Gypsy Moth**



**Light Brown Apple Moth**



**Mediterranean Fruit Fly**



**Japanese Beetle**



**Melon Fruit Fly**



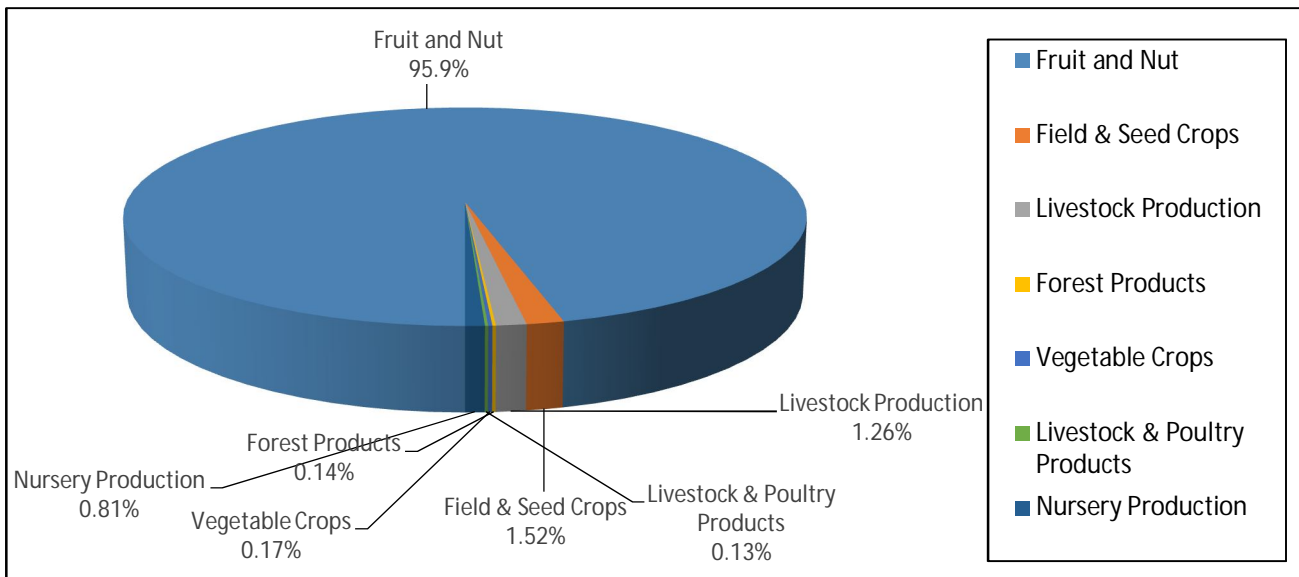
**European Grapevine Moth**



**Purple Star Thistle**

## Summary of Production

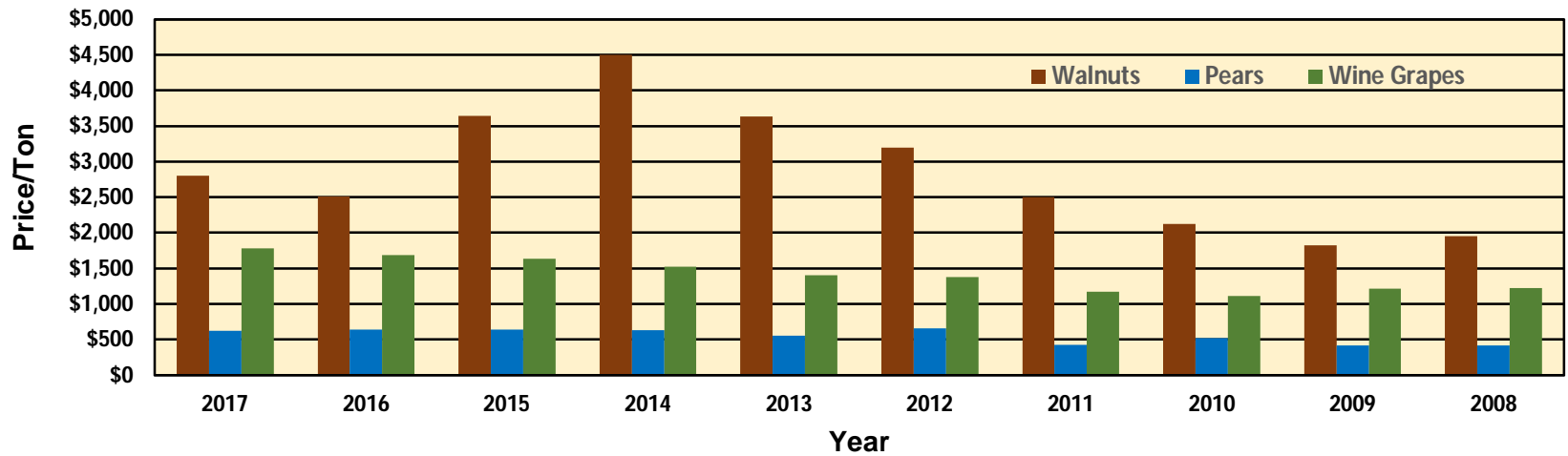
| COMMODITY                    | YEAR | VALUE          |
|------------------------------|------|----------------|
| FRUIT AND NUT                | 2017 | \$ 115,867,854 |
|                              | 2016 | \$ 103,276,902 |
| FIELD & SEED CROPS           | 2017 | \$ 1,835,500   |
|                              | 2016 | \$ 2,235,500   |
| LIVESTOCK PRODUCTION         | 2017 | \$ 1,526,350   |
|                              | 2016 | \$ 1,892,550   |
| FOREST PRODUCTS              | 2017 | \$ 173,447     |
|                              | 2016 | \$ 5,101,380   |
| VEGETABLE CROPS              | 2017 | \$ 210,600     |
|                              | 2016 | \$ 230,500     |
| LIVESTOCK & POULTRY PRODUCTS | 2017 | \$ 158,800     |
|                              | 2016 | \$ 168,300     |
| NURSERY PRODUCTION           | 2017 | \$ 980,981     |
|                              | 2016 | \$ 924,658     |
| GRAND TOTAL                  | 2017 | \$ 120,753,532 |
|                              | 2016 | \$ 113,829,790 |



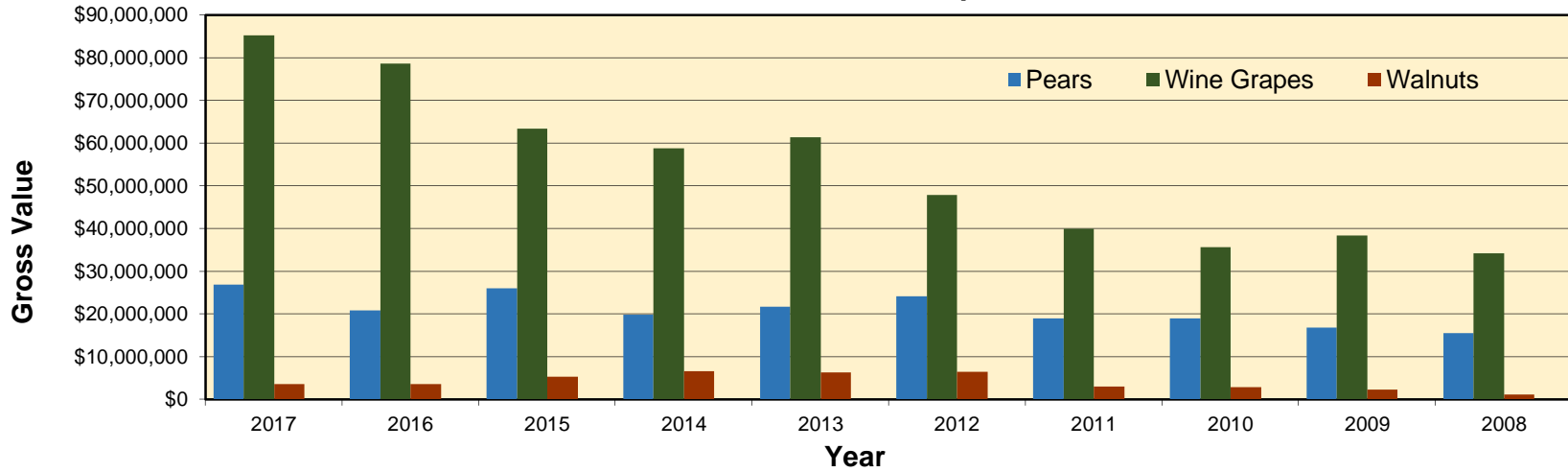
### 5 Year Value Comparison

| Year | Fruit and Nut | Livestock Production | Livestock & Poultry Products | Nursery Production | Vegetable Production | Field & Seed Crops | Timber      | Total Value   |
|------|---------------|----------------------|------------------------------|--------------------|----------------------|--------------------|-------------|---------------|
| 2017 | \$115,867,854 | \$1,526,350          | \$158,800                    | \$980,891          | \$210,600            | \$1,835,500        | \$173,447   | \$120,753,532 |
| 2016 | \$103,276,902 | \$1,892,550          | \$168,300                    | \$924,658          | \$230,500            | \$2,235,500        | \$5,101,380 | \$113,829,790 |
| 2015 | \$94,977,570  | \$2,219,530          | \$179,034                    | \$1,474,200        | \$296,002            | \$1,959,865        | \$29,447    | \$101,135,648 |
| 2014 | \$86,426,386  | \$2,306,555          | \$137,760                    | \$941,566          | \$286,309            | \$2,600,000        | \$397,690   | \$93,096,266  |
| 2013 | \$89,567,410  | \$2,718,983          | \$135,685                    | \$940,458          | \$411,255            | \$2,217,400        | \$181,920   | \$96,173,111  |

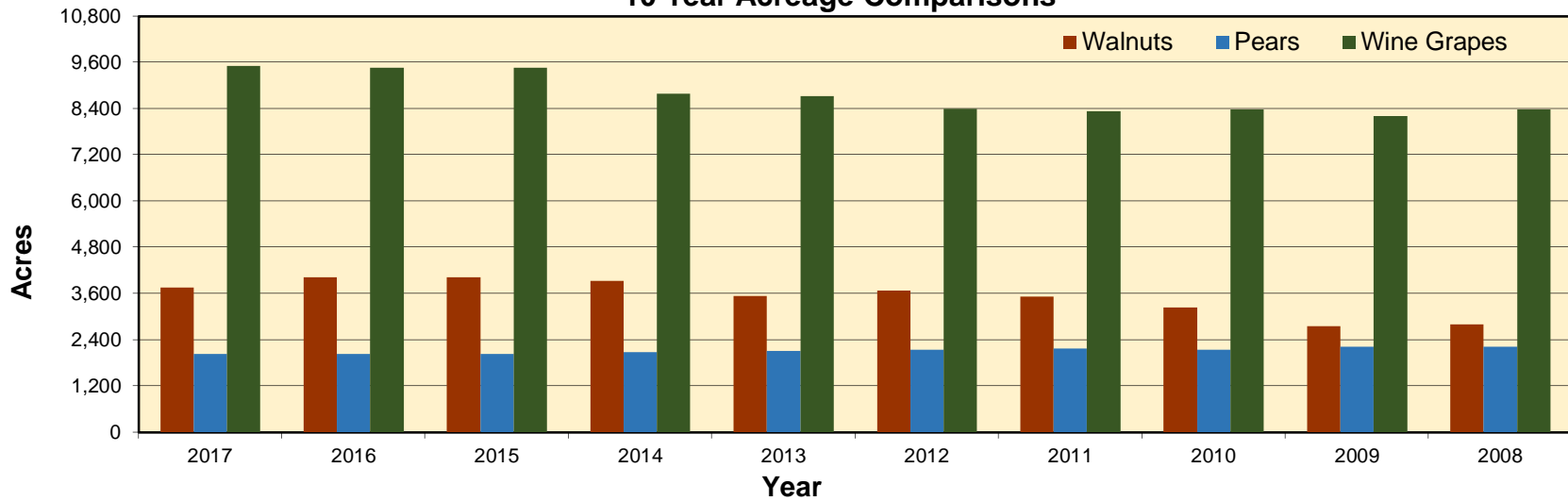
### 10 Year Crop Returns (Price/Ton)



### 10 Year Value Comparisons



### 10 Year Acreage Comparisons



# **Lake County Board of Supervisors**

**District 1: Moke Simon**

**District 2: Jeff Smith**

**District 3: Jim Steele**

**District 4: Tina Scott**

**District 5: Rob Brown**

## **2017 Agricultural Commissioner Staff**

**Agricultural Commissioner**

**Sealer of Weights and Measures**

Steven Hajik

**Deputy Agricultural Commissioner**

**Deputy Sealer of Weights and Measures**

Katherine VanDerWall

**Agricultural Biologists**

**Weights and Measures Inspectors**

Sam Upton

Mark Melendez

**Secretary**

Kelli Hanlon



**Agricultural Aides (Insect Trappers)**

Bruce Gove

Carl Bray

Chris Zahn

Karen Sullivan

**Wildlife Services Staff**

Chris McLaury