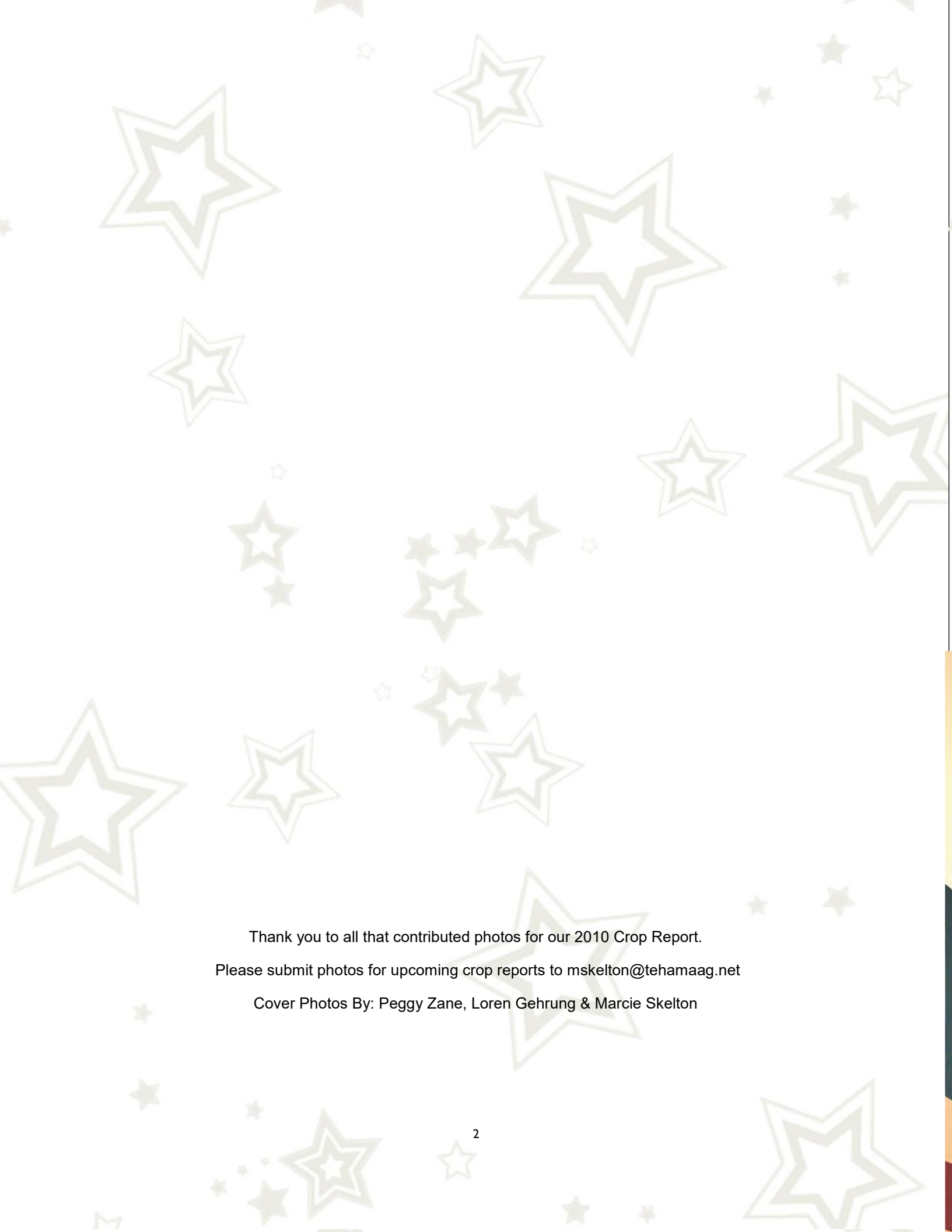




2010 Tehama County Crop Report

The background of the entire page is a light cream color, decorated with a pattern of stars. There are several large, five-pointed stars with a double-line outline, and many smaller, solid-colored stars scattered throughout. The stars are in various shades of light green and yellow.

Thank you to all that contributed photos for our 2010 Crop Report.

Please submit photos for upcoming crop reports to mskelton@tehamaag.net

Cover Photos By: Peggy Zane, Loren Gehrung & Marcie Skelton

Tehama County

Department of Agriculture/Weights & Measures

To: Karen Ross, California Department of Food and Agriculture

and

The Honorable Board of Supervisors, Tehama County

I am pleased to submit the 2010 Agricultural Crop Report. As required by Section 2279 of the California Food and Agricultural Code, this annual report provides a statistical description of Tehama County's agricultural production. All figures in the report represent gross returns only and do not reflect net income of producers.

The total gross value of Tehama County agricultural production in 2010 was \$227,571,200; a 24.7% increase from 2009 values and a new county record. The increase is attributed to increases in prices for several commodities.

Orchard crops lead the overall increase in value of \$32,118,700 from 2009. The increase can be significantly credited to walnuts as they posted a 28.7% increase in value, attributed to increased acreage, production and prices. Olives rebounded from the weather related 2009 crop reductions posting a 181.6% increase in value. Almond values increased 13.7% due to acreage and price increases. Even though prune acreage increased, the value decreased 9.9% due to production decreases.

Field crops increased 8.5% in total value, primarily due to grain hay and wheat value increases. Livestock values continue to rise, posting a 24.5% increase due to increases in inventory and prices. Livestock and poultry products increased 28.0% due to higher milk prices. Rangeland values rebounded from recent years' droughts and increased in value by 183.3%

My sincere appreciation goes out to the growers, processors, government agencies, and others that provided information used in compiling this report, their cooperation is invaluable. I wish to thank all staff that assisted in compiling this report with special recognition to Marcie Skelton for the report's production, as this publication would not be possible without their combined efforts.

Respectfully Submitted,

Rick Gurrola
Agricultural Commissioner





Tehama County Board of Supervisors

| | |
|----------------|-----------------------------------|
| Gregg Avilla | Supervisor - District 1, Chairman |
| George Russell | Supervisor - District 2 |
| Dennis Garton | Supervisor - District 3 |
| Bob Williams | Supervisor - District 4 |
| Ron Warner | Supervisor - District 5 |

Agriculture Department

| | |
|-----------------|--|
| Rick Gurrola | Agricultural Commissioner & Sealer of Weights and Measures |
| Douglas Compton | Assistant Agricultural Commissioner/Sealer of Weights & Measures |
| Doni Rulofson | Deputy Agricultural Commissioner/Sealer of Weights & Measures |
| David Stoffel | Agricultural Biologist/Weights & Measures Specialist |
| Ryan Jennings | Agricultural Biologist/Weights & Measures Specialist |
| Marcie Skelton | Agricultural Biologist/Weights & Measures Specialist |
| Mike Bowles | Agricultural Biologist/Weights & Measures Specialist |
| Loren Gehrung | Agricultural Biologist/Weights & Measures Specialist |
| Juan Rodriguez | Agricultural/Weights & Measures Aide |
| Brett White | Agricultural/Weights & Measures Aide |
| Alexis LeClair | Office Manager |
| Jan Miller | Administrative Assistant |

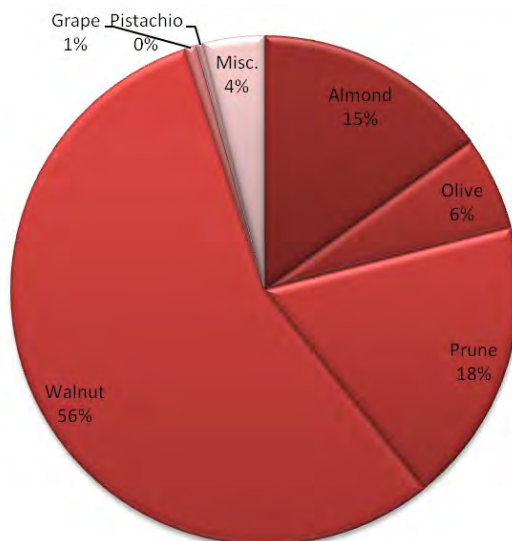


Fruit & Nut Crops

| | Year | Bearing Acreage | Production/ Acre (tons) | Total Tons | Value/ Ton | Total Value |
|----------------|------|-----------------|-------------------------|-------------|------------|----------------------|
| Almond (meats) | 2010 | 9,884 | 0.82 | 8,105 | \$3,055 | \$24,760,800 |
| | 2009 | 9,570 | 0.85 | 8,135 | \$2,677 | \$21,777,400 |
| Olive | 2010 | 6,759 | 5.05 | 34,133 | \$716 | \$24,439,200 |
| | 2009 | 6,559 | 1.27 | 8,330 | \$1,042 | \$8,679,900 |
| Prune | 2010 | 8,310 | 2.25 | 18,698 | \$1,266 | \$23,671,700 |
| | 2009 | 7,655 | 2.80 | 21,434 | \$1,226 | \$26,278,100 |
| Walnut | 2010 | 18,821 | 2.19 | 41,218 | \$1,955 | \$80,581,200 |
| | 2009 | 18,594 | 2.10 | 39,047 | \$1,604 | \$62,631,400 |
| Grape | 2010 | 172 | 6.24 | 1,073 | \$848 | \$909,900 |
| | 2009 | 172 | 6.50 | 1,118 | \$1,004 | \$1,122,500 |
| Pistachio | 2010 | 181 | 0.98 | 177 | \$3,966 | \$702,000 |
| | 2009 | 181 | 0.99 | 179 | \$3,351 | \$599,800 |
| Misc.* | 2010 | | | | | \$3,786,400 |
| | 2009 | | | | | \$5,643,400 |
| Total | | | | 2010 | | \$158,851,200 |
| | | | | 2009 | | \$126,732,500 |

* Includes: black walnuts, pecans, citrus, figs, almond hulls, cherries, blueberries, plums, pears, apricots, apples, peaches, pomegranates, and walnut shells.

Fruit & Nut Crop Value



Nursery Products

| | Year | Total Value |
|-----------------|-------------|--------------------|
| Nursery* | 2010 | \$2,931,200 |
| | 2009 | \$2,997,800 |

*Includes: orchard and Christmas trees, strawberry, bedding plants & trees

Livestock & Poultry

| | Year | Number of Head Sold | Total Live-Weight | Unit | Value/ Unit | Total Value |
|------------------------------|-------------|------------------------|----------------------|-------------|----------------|---------------------|
| Calves | 2010 | 4,692 | 25,759 | cwt. | \$130 | \$3,348,700 |
| | 2009 | 4,284 | 18,892 | cwt. | \$107 | \$2,021,400 |
| Feeders | 2010 | 10,948 | 76,636 | cwt. | \$101 | \$7,740,200 |
| | 2009 | 9,996 | 69,972 | cwt. | \$91 | \$6,367,500 |
| Feedlot | 2010 | 18,400 | 36,800 | cwt. | \$95 | \$3,496,000 |
| | 2009 | 17,007 | 34,014 | cwt. | \$90 | \$3,061,300 |
| Cows & Bulls | 2010 | 2,944 | 38,824 | cwt. | \$58 | \$2,251,800 |
| | 2009 | 2,688 | 35,448 | cwt. | \$45 | \$1,595,200 |
| Dairy Cattle* | 2010 | | | | | \$3,106,300 |
| | 2009 | | | | | \$2,593,600*** |
| Sheep & Lambs | 2010 | 4,500 | 4,500 | cwt. | \$106 | \$477,000 |
| | 2009 | 4,000 | 4,000 | cwt. | \$89 | \$356,000 |
| Hogs & Pigs | 2010 | 1000 | 1,750 | cwt. | \$55 | \$96,300 |
| | 2009 | 950 | 1,663 | cwt. | \$42 | \$69,800 |
| Misc. Livestock** | 2010 | | | | | \$2,593,600 |
| | 2009 | | | | | \$2,504,000 |
| Total | | | | | | |
| | | 2010 | | | | \$23,109,900 |
| | | 2009 | | | | \$18,568,800*** |



*Includes: cull cows, bull calves and heifer replacements

**Includes: aquaculture, meat & dairy goats, & various poultry & fowl

***Updated value

Vegetable Crops

| | Year | Acres | Total Value |
|--------------------------|-------------|------------|------------------|
| Misc. Vegetables* | 2010 | 100 | \$250,000 |
| | 2009 | 100 | \$250,000 |

* Includes: farmer's market & road side stands

Timber Products

| | Year | Harvested Board Feet | Total Value |
|--|-------------|----------------------|--------------------|
| | 2010 | 53,934,000 | \$5,783,900 |
| | 2009 | 55,137,000 | \$5,366,600 |



Livestock & Poultry Products

| | Year | Production | Unit | Value/Unit | Total Value |
|--|-------------|----------------|-------------|----------------|---------------------|
| Milk (Market) | 2010 | 411,875 | cwt. | \$14.83 | \$6,108,100 |
| | 2009 | 412,390 | cwt. | \$10.25 | \$4,227,000 |
| Milk (Mfg.) | 2010 | 628,873 | cwt. | \$14.55 | \$9,150,100 |
| | 2009 | 636,077 | cwt. | \$12.06 | \$7,671,100 |
| Animal Fiber* (wool & fiber) | 2010 | | | | \$54,000 |
| | 2009 | | | | \$50,000 |
| Misc.** | 2010 | | | | \$75,000 |
| | 2009 | | | | \$72,000 |
| Total | | | | | |
| | | | | | 2010 |
| | | | | | \$15,387,200 |
| | | | | | 2009 |
| | | | | | \$12,020,100 |



* Includes: wool & fiber (Alpaca, sheep, etc.)

**Includes: poultry & other dairy products (goat cheese)

Pasture & Range

| | Year | Harvested Acres | Value/Acre | Total Value |
|------------------|-------------|-----------------|--------------|---------------------|
| Irrigated | 2010 | 22,000 | \$102 | \$2,244,000 |
| | 2009 | 22,000 | \$127 | \$2,794,000 |
| Range | 2010 | 925,000 | \$8.5 | \$7,862,500 |
| | 2009 | 925,000 | \$3 | \$2,775,000 |
| Stubble | 2010 | 5,457 | \$7 | \$38,200 |
| | 2009 | 2,614 | \$7 | \$18,300 |
| | | Total | 2010 | \$10,144,700 |
| | | | 2009 | \$5,587,300 |

Apiary Production

| | Year | Production (colonies) | Value/Colony | Total Value |
|------------------------------|-------------|-----------------------|--------------|--------------------|
| Pollination* | 2010 | 19,768 | \$166 | \$3,281,500 |
| | 2009 | 19,140*** | \$166 | \$3,177,200*** |
| Apiary** Products | 2010 | | | \$3,771,400 |
| | 2009 | | | \$4,173,700 |
| | | Total | 2010 | \$7,052,900 |
| | | | 2009 | \$7,350,900*** |

*Pollination: Colony count & value prorated to adjust for almond and all other pollination rates and their varying value

**Apiary Products: Honey, Queens, Wax, & Package Bees

***Updated Value

Seed Crops

| | Year | Harvested Acreage | Total Value |
|--------------|--------------|-------------------|------------------|
| Misc. | 2010* | 340 | \$555,700 |
| | 2009** | 622 | \$367,300 |

* Includes: sunflowers, cucumbers, corn, onions, watermelons, & pumpkins

** Includes: sunflowers, cucumbers, corn, & beans

Field Crops

| | Year | Harvested Acreage | Production/ Acre (tons) | Total Tons | Value/ Ton | Total Value |
|--|------|----------------------|----------------------------|---------------|---------------|--------------------|
| Wheat | 2010 | 1,963 | 2.28 | 4,476 | \$174 | \$778,800 |
| | 2009 | 1,000 | 2.16 | 2,160 | \$183 | \$395,300 |
| Corn | 2010 | 1,324 | 5.64 | 7,467 | \$163 | \$1,217,100 |
| | 2009 | 1,465 | 5.37 | 7,867 | \$168 | \$1,321,700 |
| Alfalfa, hay | 2010 | 3,052 | 5.68 | 17,335 | \$112 | \$1,941,500 |
| | 2009 | 3,662 | 5.20 | 19,042 | \$112 | \$2,132,700 |
| Grain, hay (Oats) | 2010 | 4,140 | 3.93 | 16,270 | \$70 | \$1,138,900 |
| | 2009 | 4,267 | 2.18 | 9,302 | \$79 | \$734,900 |
| Hay, other | 2010 | 2,000 | 3.50 | 7,000 | \$97 | \$679,000 |
| | 2009 | 2,000 | 3.30 | 6,600 | \$100 | \$660,000 |
| Silage, corn | 2010 | 762 | 26.98 | 20,559 | \$26 | \$534,500 |
| | 2009 | 400 | 26.40 | 10,560 | \$34 | \$359,000 |
| Misc.* | 2010 | | | | | \$2,998,600 |
| | 2009 | | | | | \$2,954,900 |
| *Includes: safflower, barley, beans, Sudan hay, and rice | | | | Total | 2010 | \$9,288,400 |
| | | | | | 2009 | \$8,558,500 |

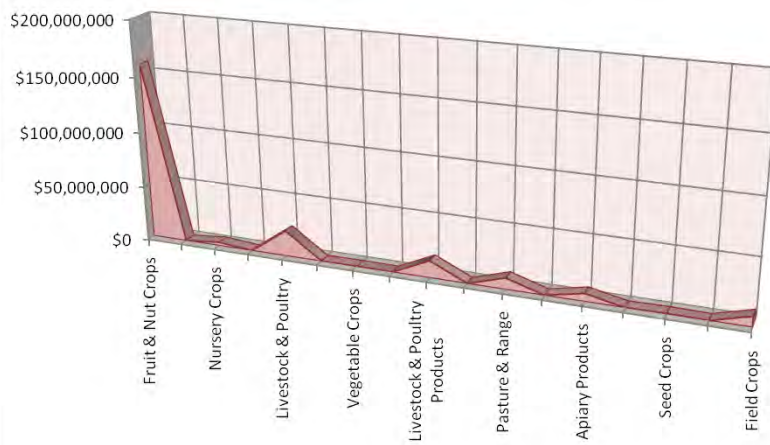


Comparison Summary

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---------------|---------------|---------------|----------------|----------------------|
| <u>Fruit & Nut Crops</u> | \$100,408,600 | \$130,447,900 | \$95,38,800 | \$126,732,500 | \$158,851,200 |
| <u>Nursery Crops</u> | \$2,263,600 | \$2,584,800 | \$2,865,300 | \$2,997,800 | \$2,931,200 |
| <u>Livestock & Poultry</u> | \$25,131,000 | \$21,003,500 | \$16,811,000 | \$18,568,800* | \$23,109,900 |
| <u>Vegetable Crops</u> | \$170,000 | \$200,000 | \$250,000 | \$250,000 | \$250,000 |
| <u>Livestock & Poultry Prod.</u> | \$12,554,200 | \$15,769,500 | \$15,757,900 | \$12,020,100 | \$15,387,200 |
| <u>Pasture & Range</u> | \$11,185,000 | \$6,540,400 | \$5,587,300 | \$5,587,300 | \$10,144,700 |
| <u>Apiary Products</u> | \$3,835,300 | \$4,568,500 | \$7,243,800 | \$7,350,900* | \$7,052,900 |
| <u>Seed Crops</u> | \$605,800 | \$432,700 | \$354,500 | \$367,300 | \$555,700 |
| <u>Field Crops</u> | \$6,206,000 | \$9,189,700 | \$13,733,900 | \$8,558,500 | \$9,288,400 |
| Totals | \$162,359,500 | \$190,737,000 | \$158,542,500 | \$182,433,200* | \$227,571,200 |

*Updated Value

Comparison Graph



Annual Sustainable Ag Report

In accordance with Section 2272 of the California Food and Agriculture Code, this Crop Report includes a brief account of efforts, which are being made to exclude or eradicate exotic pests; and to best manage those which already exist, in a manner most conducive to the protection of our environment.

Tehama county land encompasses 1,904,640 acres, which are surveyed by our department for noxious weeds of limited distribution. In 2010, three 'A' rated noxious weeds, of limited distribution were under eradication. The 'A' rated plants include Skeleton Weed, Dalmatian Toad-flax, and Spotted Knapweed. Treatment of the 'B' rated Oblong Spurge, Whitehorse Nettle, Perennial Pepperweed, and Barbed Goat Grasses also occurred in 2010.



Light Brown Apple Moth



During 2010, 57 high-risk shipments were inspected for compliance with quarantine requirements, none of the shipments were rejected. During the year, 2,196 various shipments were certified for export to 51 countries around the world.

Pest detection trapping for Mediterranean Fruit Fly, Oriental Fruit Fly, Melon Fly, Japanese Beetle, and Gypsy Moth consisted of 352 traps being deployed, resulting in no finds. One hundred fifty-four Glassy Winged Sharpshooter traps were placed in Tehama County. One hundred sixty-six incoming nursery shipments from counties with Glassy Winged Sharpshooter and/or Light Brown Apple Moth were conducted, resulting in no finds. Tehama County continues to actively monitor for the Light Brown Apple Moth; in 2010 there were 70 traps deployed throughout the county with emphasis on nurseries and fields destined for the global market. Additionally, 13 European Grapevine Moth traps were placed into commercial grape vineyards in Tehama County. The European Grapevine Moth is a detrimental pest to grape growing regions, it was first detected in Napa County, California in the fall of 2009. Shortly thereafter, detections began in other counties. It was determined the pest was spreading quickly via fruit, rootstock, vineyard trash, and equipment movement. Infested counties are currently under quarantine to stop the spread of this invasive pest. Tehama County is monitoring our commercial vineyards; to date the European Grapevine Moth has not been found.



Mediterranean Fruit



Oriental Fruit Fly



Japanese Beetle

There were 34 registered organic growers in Tehama County in 2010, totaling 12,594 acres of registered organic land. These growers range from small gardens catering to local Certified Farmer's Markets to large-scale livestock, dairy, orchard and field crop producers.



Melon Fly



Glassy Winged Sharp Shooter

A Glimpse Into the Past

| Commodity | 1960 Totals (amount sold) | 2010 Totals (amount sold) | 1960 Value | 2010 Value |
|---|------------------------------|------------------------------|----------------|-----------------|
| Almonds | 740 tons (1,482 acres) | 8,105 tons (9,884 acres) | \$370,000 | \$24,760,800 |
| Olives | 7,007 tons (3,708 acres) | 34,133 tons (6,759 acres) | \$1,374,700 | \$24,439,200 |
| Prunes | 2,680 tons (2,201 acres) | 18,698 tons (8,310 acres) | \$1,072,400 | \$23,671,700 |
| Walnuts | 1,190 tons (2,325 acres) | 41,218 tons (18,821 acres) | \$630,700 | \$80,581,200 |
| Grapes | * | 1,073 tons (172 acres) | * | \$909,900 |
| Corn | 2,772 tons (1,260 acres) | 7,467 tons (1,324 acres) | \$138,600 | \$1,217,100 |
| Pistachio | * | 177 tons (181 acres) | * | \$702,000 |
| Watermelon | 1,080 tons (80 acres) | * | \$21,600 | * |
| Alfalfa | 39,000 tons (6,505 acres) | 17,335 tons (3,052 acres) | \$897,000 | \$1,941,500 |
| Truck Crops | 81 acres | 100 acres | \$40,500 | \$250,000 |
| Other Hay | 8,150 tons (4980 acres) | 23,270 tons (6140 acres) | \$184,100 | \$1,817,900 |
| Sugar Beets | 10,326 tons (461 acres) | * | \$107,400 | * |
| Grains | 26,845 tons (32,442 acres) | 6,096 tons (3163 acres) | \$1,148,200 | \$1,086,600 |
| Corn Silage | 960 tons (120 acres) | 20,559 tons (762 acres) | \$7,700 | \$542,800 |
| Ladino Clover (seed) | 603,470 lbs (2110 acres) | * | \$358,900 | * |
| Other Seed (Sudan, Peas, Alfalfa) | 658,000 lbs (480 acres) | * | \$37,500 | * |
| Nursery Stock (includes olives, deciduous fruit & nut, & strawberry plants) | | | \$601,920 | \$2,931,200 |
| Dairy Cattle | | | \$571,700 | \$3,106,300 |
| Beef Cattle | | | \$5,042,200 | \$13,839,700 |
| Dairy Products | | | \$1,783,000 | \$15,258,200 |
| Sheep & Lambs | | | \$1,210,800 | \$447,000 |
| Hogs | | | \$339,300 | \$96,300 |
| Chicken Eggs | | | \$317,600 | * |
| Turkeys | | | \$353,600 | * |
| Chicks | | | \$67,300 | * |
| Year Totals | | | **\$20,058,760 | **\$227,571,200 |

*No corresponding values between 1960 and 2010.

**Will not add up to above column.

\$207,512,440
Increase in 50 Years!

Tehama County Exports

In 2010 Tehama County Issued 2,196 USDA Phytosanitary Certificates

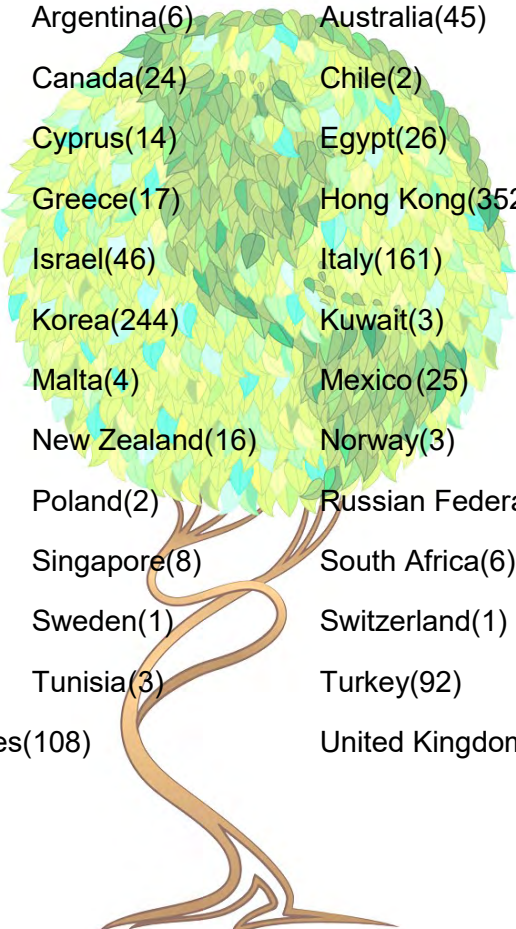
What is this? Phytosanitary is a word that means “of or relating to the health of plants”, so a Phytosanitary certificate is documentation stating said plant or plant product, is free from pests and diseases that are part of the import requirements imposed by countries. Import requirements are designed to protect the importing countries’ agricultural industry from insects and diseases which have the potential to arrive with the shipment, additionally ensuring a higher quality product when it reaches its destination.

Products Exported from Tehama County:

**Almonds, Walnuts, Walnut Shells, Walnut Logs, Olives,
Strawberry Plants, Prunes, & Figs**

Tehama County shipped products to the below countries, number represents amount written to each.

| | | | |
|---------------------------|-----------------|-----------------------|--------------|
| Algeria(9) | Argentina(6) | Australia(45) | Austria(16) |
| Brazil(11) | Canada(24) | Chile(2) | China(160) |
| Colombia(8) | Cyprus(14) | Egypt(26) | France(21) |
| Germany(145) | Greece(17) | Hong Kong(352) | India(17) |
| Indonesia(3) | Israel(46) | Italy(161) | Japan(146) |
| Jordan(3) | Korea(244) | Kuwait(3) | Lebanan(4) |
| Lithuania(5) | Malta(4) | Mexico(25) | Morocco(5) |
| Netherlands(71) | New Zealand(16) | Norway(3) | Pakistan(9) |
| Philippines(1) | Poland(2) | Russian Federation(3) | |
| Saudi Arabia(2) | Singapore(8) | South Africa(6) | Spain(287) |
| Sri Lanka(4) | Sweden(1) | Switzerland(1) | Taiwan(22) |
| Thailand(1) | Tunisia(3) | Turkey(92) | Ukraine(2) |
| United Arab Emirates(108) | | United Kingdom(15) | Venezuela(7) |
| Vietnam(10) | | | |



Agriculture Views in Tehama County

By: Marcie Skelton

"I don't know what is going on there." "I think they are putting in a Super Wal-Mart." "I heard a Costco is going in there." This is the conversation that I over heard last spring while watching my children's soccer practice. A group of women were sitting near by, speculating what they thought was the purpose of all the dust on the east end of Antelope Boulevard was all about. I couldn't help hear them and decided that I would stop the rumors and tell them what was really going on. "It's going to be a walnut orchard", I told them. At first they didn't quite know how I could be so sure, but once I explained where I worked, they understood, but were a bit disappointed that their local shopping options were not going to be expanded.

Over the last year, the citizens of Red Bluff have been witness to the huge undertaking that is required to establish a new orchard. With walnut orchards lasting up to 40 years, many of us have never witnessed the pre-planting process take place. For weeks we watched the dust fly as the ground was ripped open by powerful equipment, loosening years of compaction to allow the young roots to establish themselves sturdily into the soil. Following the ripping, the soil was smoothed over by a disk, making way for the leveling equipment. The tractors used in today's farming rely on GPS satellite transmissions that guide the leveling equipment to make fine tune adjustments to slope the land to the precise angle to give the trees adequate drainage that is needed for the trees to prosper and increase their longevity.

Following the leveling of the land, the land was worked one last time, with this round of work, implements created soil beds where the trees would be planted. Giving the trees the needed elevated boost to maintain proper aeration and drainage, saving many from varying forms of rot, where water may puddle at the base of the trunk and the start of the soil. Winter took hold and the working of the land took a back seat, while irrigation wells were dug and further plans were made by the farmer. The dryer weather of late January allowed for crews to install irrigation pipes. The most efficient way to water orchard trees is through a micro sprinkler water application. Water is a vital component to successful agricultural production, this scarce and costly resource must be applied in an extremely effective manner.

The final stage of the orchard was underway in early February—the trees went in! The trees were merely sticks that don't seem to hold much potential, but they will slowly emerge from their dormant slumber and grow over the years into a mighty walnut tree. These young trees are two years old and were started from Paradox walnut seed, at one year, the tree had an English Walnut variety graft placed on its root stock. Paradox walnut trees are vigorous growers and disease resistant, but the English varieties of walnuts offer a more desirable eating nut as well as an increased ease of cracking the shell. These transplanted trees were dug up (harvested), their roots trimmed and trunks sized for uniformity and have been in cold storage waiting to be planted this spring. Furthermore, on average, an acre of walnut trees will produce two tons of nuts each year! Fairly impressive when you think all they look like are sticks with nothing to offer.

Watching this land transform from alfalfa production to walnut production has required many hard working hands, their efforts should solidify the use of the land for agriculture for at least 40 years to come — rewarding all of us in the conservation of agricultural land. Since this land is so close to the city limits, this walnut orchard makes a bold statement about our county's legacy of agriculture continuing for generations to come.



The background of the entire page is white with numerous stars of varying sizes. Some stars are simple outlines, while others are filled with a light gray color. At the bottom of the page, there is a decorative horizontal band. The left side of this band features a stylized American flag with blue, white, and red stripes and yellow stars. The right side of the band is a solid dark red color.

Available online at:

www.co.tehama.ca.us