

# *Crop and Livestock Report*

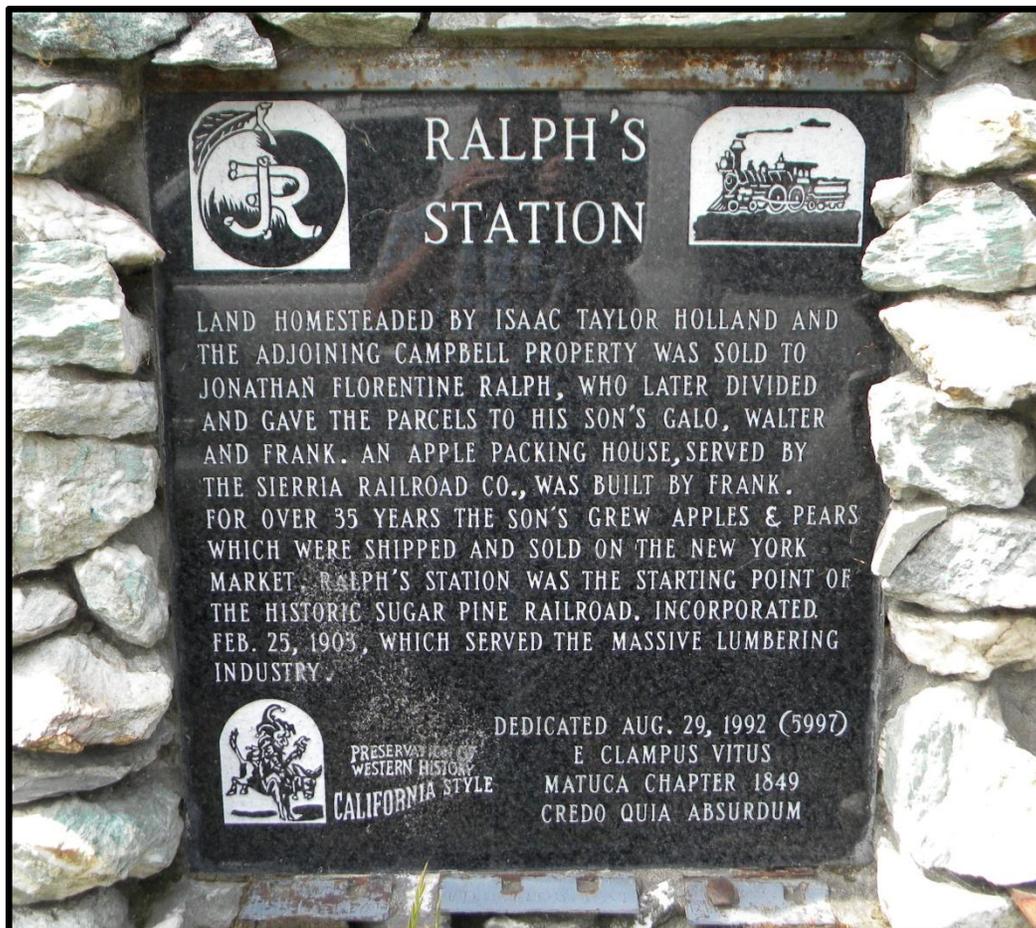


# *2015*

100 years ago Tuolumne County Apple growers enjoyed an excellent fresh fruit market for their apples. Tuolumne County apples were of a very high quality and earned multiple awards at the 1911 Watsonville Apple Annual. With the exceptional quality of the apples, came an exceptional price. According to a 1925 agricultural report: "In 1919 Mr. F.J. Ralph sold \$15,258 of apples from 20 acres of 14 year old orchard.". Adjusting for inflation, the 2016 value of Mr. Ralph's apples equals \$209,123.

The climate and environmental conditions that fostered excellent apple orchards back then still exist in Tuolumne County's mountain apple belt. Presently apples are still grown around 3000 foot elevation, have plenty of winter chill hours, and are irrigated with snow melt from ditches and flumes. Some of the original trees that produced 100 years ago exist and bear fruit today. The county grows many older varieties such as Spitzenburg, Winesap, and Arkansas Black as well as new varieties like Honeycrisp.

Fast forward 100 years and the largest change for apples in Tuolumne County have been in the market place. Today's apple orchards take advantage of value added products (such as hard apple cider), Agritourism, and farmers' markets. So, 100 years later Apples continue to thrive in Tuolumne County, and are expected to do so for the next 100 years.





## County of Tuolumne

*Gary W Stockel*

**Agricultural Commissioner • Weights & Measures  
Animal Control • Air Pollution Control  
2 South Green Street, Sonora, CA 95370  
Phone: 209-533-5691 Fax: 209-533-5520**

*Agricultural Commissioner  
Director of Weights & Measures  
Director of Animal Control  
Air Pollution Control Officer*

To: Karen Ross, Secretary  
California Department of Food and Agriculture

The Honorable Board of Supervisors, County of Tuolumne

Karl Rodefer, Chairperson, Fifth District  
Sherri Brennan, First District  
Randy Hanvelt, Second District  
Evan Royce, Third District  
John L. Gray, Fourth District

Craig L. Pedro, County Administrative Officer

I am pleased to submit, in accordance with Section 2279 of the California Food and Agriculture Code, Tuolumne County's Annual Crop and Livestock Report for 2015. This report provides a statistical description of Tuolumne County's agricultural production. The figures contained in this report represent gross values of agricultural commodities and do not reflect production costs or net returns to growers.

The 2015 value of agricultural commodities produced in Tuolumne County is estimated at \$37,339,000. This is a 15.2% decrease from last year's production value of \$44,053,056. Similar to last year, wildland fires played a major role in Tuolumne County production values. Local timber production significantly decreased 36.6 % due to an increase in fire salvage timber harvested in neighboring counties (primarily the Butte Fire) and being milled locally. Excluding Timber Harvested, agricultural production only decreased 4.3% from 2014 values.

Overall, Field Crops decreased 12.4%. 2015's average rainfall definitely improved rangeland forage production but a drop in price resulted in a 12.6% decrease in Rangeland value. Lower yields resulted in a 19.2% decrease in Hay value. Miscellaneous Fruit and Vegetables decreased 10.6% due to continued drought impacts. These sizable decreases are offset by a minor overall 3.2% decrease in the County's leading production category Livestock and Poultry.

I wish to express my appreciation to the agricultural producers, organizations, and public agencies that have cooperated in providing data for this report. I would also like to express sincere thanks to my staff, especially Drew Raymond who compiled the report.

Respectfully submitted,

Gary W Stockel  
Agricultural Commissioner

# TUOLUMNE COUNTY DEPARTMENT OF AGRICULTURE

## 2015 ANNUAL CROP REPORT

### TUOLUMNE COUNTY BOARD OF SUPERVISORS

KARL RODEFER; CHAIRPERSON	FIFTH DISTRICT
SHERRI BRENNAN	FIRST DISTRICT
RANDY HANVELT	SECOND DISTRICT
EVAN ROYCE	THIRD DISTRICT
JOHN L. GRAY	FOURTH DISTRICT

### COUNTY ADMINISTRATIVE OFFICER

CRAIG PEDRO

### AGRICULTURAL STAFF

GARY W. STOCKEL	AGRICULTURAL COMMISSIONER
GRETA SHUTLER	DEPUTY AGRICULTURAL COMMISSIONER
PAUL V. RAINEY	SENIOR AGRICULTURAL BIOLOGIST
DREW RAYMOND	SENIOR AGRICULTURAL BIOLOGIST
ROBERTA SHIELDS	ADMINISTRATIVE TECHNICIAN
RON ANDERSON	USDA WILDLIFE SERVICES SPECIALIST

## FRUIT AND VEGETABLES

	YEAR	ACRES	TOTAL
TREE AND VINE CROPS	2015	258	\$179,000
	2014	256	\$195,000
VEGETABLE CROPS	2015	15	\$238,000
	2014	15	\$271,000
TOTAL	2015	273	\$417,000
	2014	271	\$466,000



## APIARY AND NURSERY

ITEM	YEAR		TOTAL
APIARY PRODUCTS	2015	Includes honey, pollen, bees wax, and pollination fees	\$117,000
	2014		\$75,000
NURSERY PRODUCTS	2015	Includes Christmas trees	\$276,000
	2014		\$214,000
TOTAL APIARY AND NURSERY PRODUCTS	2015		\$393,000
	2014		\$289,000

Numbers May Not Compute Exactly Due To Rounding.

## LIVESTOCK AND POULTRY PRODUCTS



ITEM	YEAR	TOTAL
MISCELLANEOUS PRODUCTS <sup>1</sup>	2015	\$157,000
	2014	\$160,000

## FIELD CROPS

CROP	YEAR	ACREAGE	PER ACRE	TOTAL	UNIT	\$/UNIT	TOTAL
HAY <sup>2</sup>	2015	360	2.1	756	TON	\$185.00	\$140,000
	2014	360	2.6	936	TON	\$185.00	\$173,000
IRRIGATED PASTURE	2015	1,121			ACRE	\$130.00	\$146,000
	2014	1,121			ACRE	\$130.00	\$146,000
RANGELAND	2015	200,000			ACRE	\$ 18.10	\$3,620,000
	2014	200,000			ACRE	\$ 20.70	\$4,140,000
TOTAL	2015						\$3,906,000
	2014						\$4,459,000



<sup>1</sup>wool, eggs, hides, manure

<sup>2</sup>Most of the hay is used on the farms where it is produced.  
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## LIVESTOCK

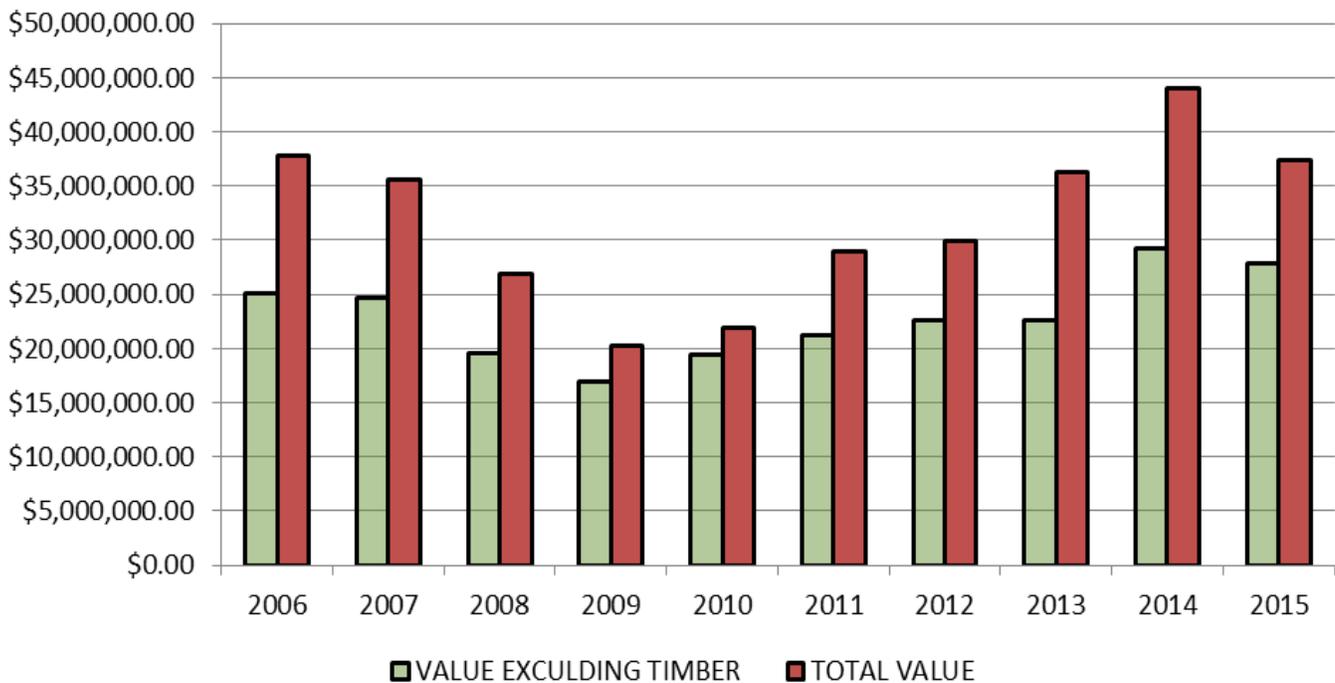
ITEM		NUMBER OF HEAD	TOTAL WEIGHT	UNIT	\$/UNIT	TOTAL
<b>CATTLE AND CALVES</b>						
CALVES	2015	7,210	48,523	CWT	\$188.50	\$ 9,147,000
	2014	7,970	51,407	CWT	\$213.70	\$10,986,000
SLAUGHTER CATTLE	2015	179	2,352	CWT	\$109.20	\$ 257,000
	2014	239	2,813	CWT	\$ 92.10	\$ 259,000
TOTAL CATTLE	2015					\$ 9,403,000
	2014					\$11,245,000
SHEEP AND LAMBS	2015	1,000	1,242	CWT	\$ 146.00	\$ 181,000
	2014	1,000	1,238	CWT	\$ 135.00	\$ 167,000
OTHER LIVESTOCK AND POULTRY	2015					\$13,451,000
	2014					\$12,379,000
TOTAL	2015					\$23,035,000
	2014					\$23,791,000



# TIMBER

	YEAR	BOARD FEET	UNIT <sup>3</sup>	\$/UNIT	TOTAL
PUBLIC AND PRIVATE FOREST <sup>4</sup>	2015	84,415	KBF	\$ 85.49	\$ 7,216,000
	2014	130,323	KBF	\$100.99	\$13,161,000
FUEL WOOD <sup>5</sup>	2015				\$ 1,350,000
	2014				\$ 1,470,000
OTHER	2015	(chips, poles, cabin logs, co-gen plant			\$ 865,000
	2014	fuel, etc)			\$ 257,000
TOTAL	2015				\$ 9,432,000
	2014				\$14,888,000

## COMPARISON OF AGRICULTURAL VALUES



<sup>3</sup>KBF=Thousand Board Feet

<sup>4</sup>preliminary—as reported by the state Board of Equalization

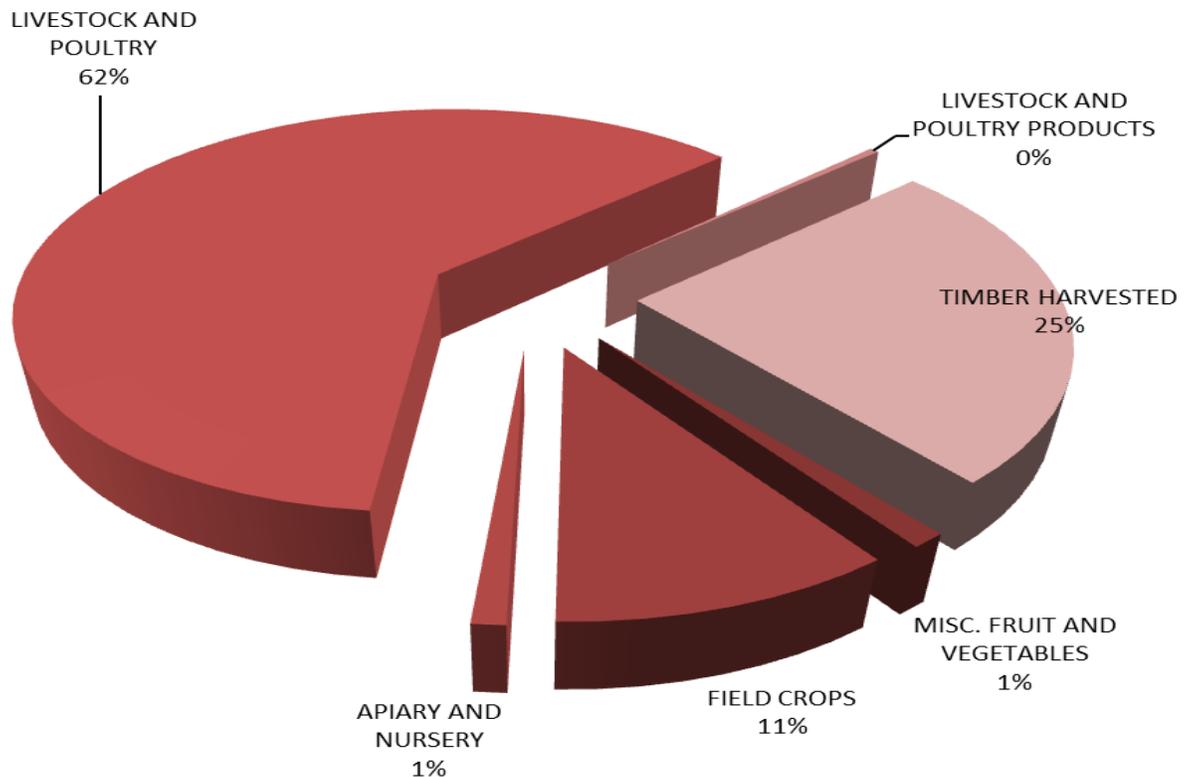
<sup>5</sup>market value

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## SUMMARY

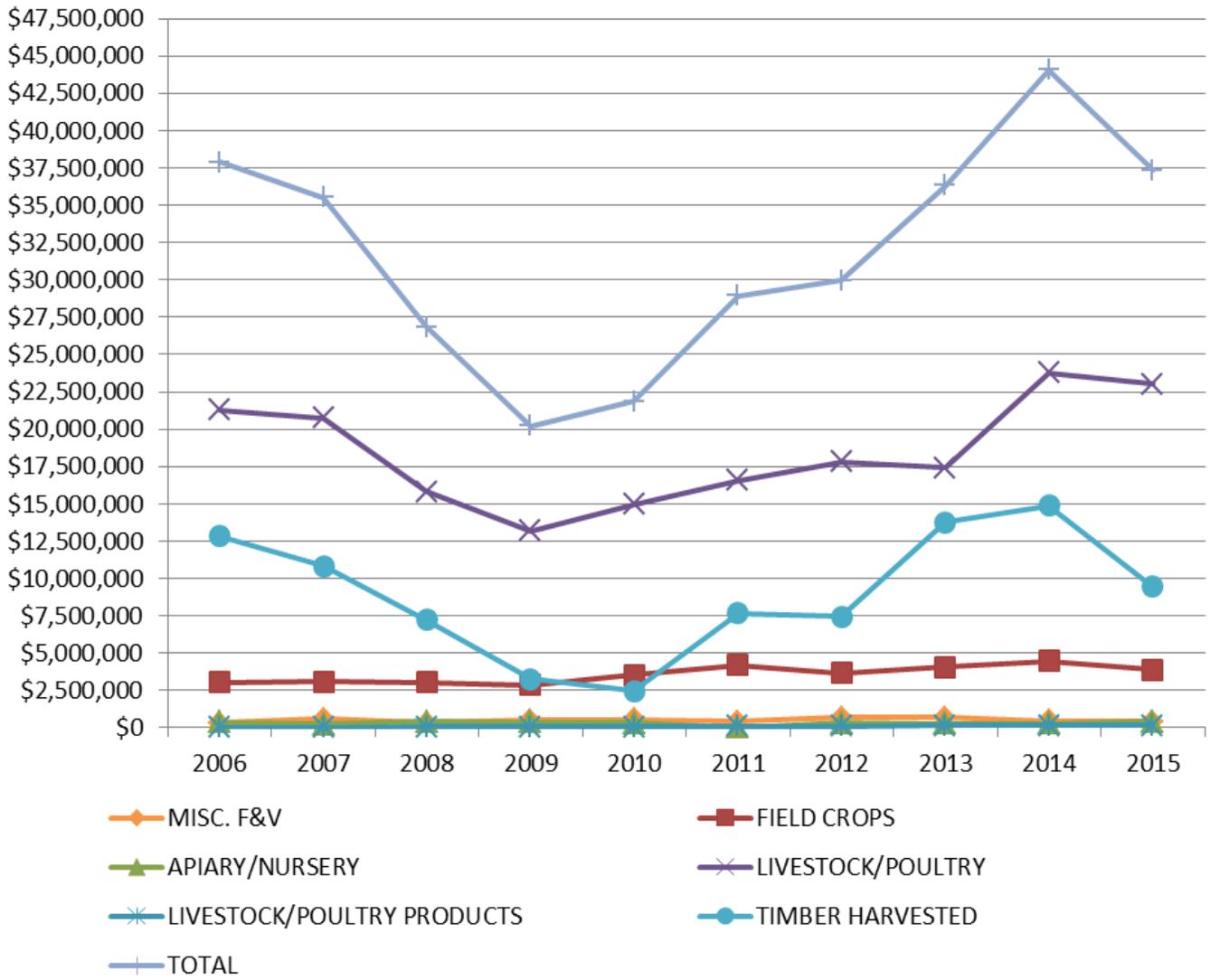
	2015	2014
MISCELLANEOUS FRUIT AND VEGETABLES	\$ 417,000	\$ 466,000
FIELD CROPS	\$ 3,906,000	\$ 4,459,000
APIARY AND NURSERY PRODUCTS	\$ 393,000	\$ 289,000
LIVESTOCK AND POULTRY	\$ 23,035,000	\$ 23,791,000
LIVESTOCK AND POULTRY PRODUCTS	\$ 157,000	\$ 160,000
SUBTOTAL	\$ 27,907,000	\$ 29,165,000
TIMBER HARVESTED	\$ 9,432,000	\$ 14,888,000
<b>TOTAL</b>	<b>\$ 37,339,000</b>	<b>\$ 44,053,000</b>

### PERCENTAGE OF TOTAL AGRICULTURAL PRODUCTION



Numbers May Not Compute Exactly Due To Rounding.

# AGRICULTURAL TRENDS BY CATEGORY



# ANNUAL SUSTAINABLE AGRICULTURE REPORT

## PEST EXCLUSION

<u>PEST</u>	<u>PATHWAY</u>	<u>SHIPMENTS</u>	
		<u>INSPECTED</u>	<u>REJECTED</u>
Exotic Pests*	Incoming Plant Material, Household Goods via Truck	34	0
Glassy-Winged Sharpshooter	Incoming Plant Material via Truck	72	0

\*Includes GypsyMoth, Sudden Oak Death, European Pine Shoot Moth, and Western Cherry Fruit Fly

## PEST DETECTION: Tuolumne County maintains the following Pest Detection Traps

Glassy Winged Sharpshooter	112	Japanese Beetle	24
Gypsy Moth	192	Light Brown Apple Moth	104
Mediterranean Fruit Fly (Champ Traps)	10	European Grapevine Moth	2

## PEST ERADICATION

<u>PEST</u>	<u>MECHANISM</u>	<u>SCOPE OF PROGRAM</u>
Oblong Spurge	Chemical control	1 sites
Skeletonweed	Monitor	5 sites
Canada Thistle	Chemical control	2 sites
Perennial Pepperweed	Monitor	6 sites
Scotch and Spanish Broom	Chemical and Mechanical control	Hwy 120 corridor
Scotch Thistle	Chemical Control	1 site
Spotted Knapweed	Monitor	8 sites
Dyer's Woad	Monitor	1 site



Dyer's Woad



Gypsy Moth Trap Inspection

## BIOLOGICAL CONTROL PROGRAMS

<u>PEST</u>	<u>AGENT</u>	<u>SCOPE OF PROGRAM</u>
Yellow Starthistle	Seed Head Weevil, <i>Bangasternus orientalis</i>	countywide
	Seed Head Gall Fly, <i>Urophora sirunasev</i>	countywide
	Hairy Weevil, <i>Eustenopus villosus</i>	countywide
	Peacock Fly, <i>Chaetorellia australis</i>	countywide
Grapeleaf Skeletonizer	Parasitic Wasp, <i>Apanteles harrisinae</i>	Tuolumne City
	Parasitic Wasp, <i>Ametadoria missella</i>	Tuolumne City
Klamath Weed	Klamath Weed Beetle, <i>Chrysolina gemellata</i>	countywide
Italian Thistle	Seed Head Weevil, <i>Rhinocyllus conicus</i>	countywide
Ash Whitefly	Parasitic Wasp, <i>Encarsia partenopea</i>	countywide
Puncture Vine	Stem Weevil, <i>Microlainus lypriformis</i>	countywide
	Seed Head Weevil, <i>Microlainus larenyii</i>	countywide
Red Gum Lerp Psyllid	Parasitic Wasp, <i>Psyllaephagus bliteus</i>	Don Pedro

## CERTIFIED FARMERS' MARKETS

### SONORA'S CERTIFIED FARMERS' MARKET:

Saturday, 7:30am-11:30am,  
Theall and Stewart Streets, Sonora

### COLUMBIA STATE HISTORIC PARK FARMERS' MARKET

Thursday, 5:00pm-8:00pm  
Main St Columbia State Historic Park, Columbia

### TUOLUMNE VILLAGE MARKET:

Wednesday, 4:00pm-8:00pm,  
Tuolumne Veterans Memorial Park, Tuolumne



NUMBER OF CERTIFIED PRODUCERS                      19

## ORGANIC PROGRAM

REGISTERED ORGANIC PRODUCERS\*                      6                      TOTAL ACREAGE                      957

\*Includes turkeys, apples, eggs, mixed vegetables, and nursery products

# TUOLUMNE COUNTY GENERAL INFORMATION

COUNTY SEAT SONORA

POPULATION (2010 U.S. Census) 55,365

LAND AREA (ACRES) 1,415,781

Federally owned U.S. Forest Service 605,803

Yosemite National Park 435,847

Bureau of Land Management 47,352

New Melones Reservoir 9,906

Total 1,098,908

State and Local Government 2,866

Other Government (Water Use) 12,511

Restricted use private lands

Timber Preserve Zone 83,978

Land Conservation Agreement (Williamson Act) 110,857

Total 194,835

Private land subject to development 106,661

RAILROADS SIERRA RAILROAD

MAJOR ROADS STATE HIGHWAY 49, STATE HIGHWAY 108, STATE HIGHWAY 120

MAJOR PASSES SONORA PASS (9,628 FEET), TIOGA PASS (9,941 FEET)

HIGHEST POINT MOUNT LYELL (13,114 FEET)

MAJOR RIVERS TUOLUMNE RIVER, STANISLAUS RIVER