

***BUTTE COUNTY
AGRICULTURAL
CROP REPORT
2013***

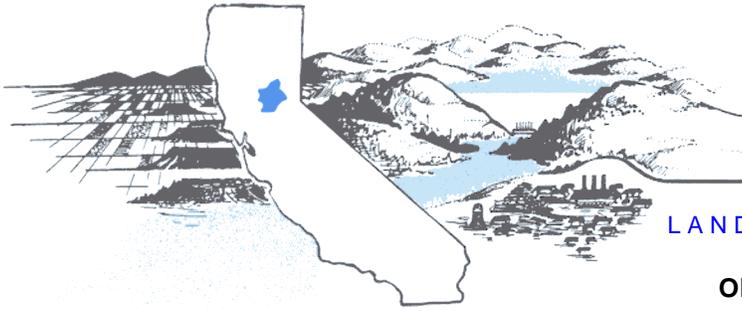


Mission Statement

- Protect and perpetuate Agriculture, the #1 industry in Butte County, by ensuring a safe and healthy agriculture product.
- Promote and provide confidence of buyers and sellers by ensuring fairness in local, national and international trade.
- Protect and promote the well being of all our customers and our community through the fair, equitable application of agricultural and weights and measures standards, emphasizing education and cooperation, including the use of technology to enhance customer service.

Richard Price

Agricultural Commissioner / Director of Weights & Measures



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

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RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measures

NAVID A. KHAN
Assistant Agricultural Commissioner
Weights and Measures

August 8, 2014

Karen Ross
Secretary of California Department of Food and Agriculture

The Honorable Butte County Board of Supervisors
Doug Teeter, Chair Larry Wahl
Maureen Kirk Bill Connelly
Steve Lambert

Paul Hahn
Chief Administrative Officer

Dear Sirs and Madams,

In accordance with provisions of the California Food and Agriculture Code section 2279, I am submitting the 74th annual crop report that shows the agricultural production and agricultural value in Butte County for the 2013 calendar year. Our department has been providing annual crop reports since 1939.

This report is a summary estimate of the acreage, production and gross value of Butte County agricultural products. The values presented in this report are gross values only, and do not reflect net farm income or costs of production and marketing.

The estimated gross value of agricultural production in Butte County for 2013 totaled **\$869,594,761**. This is a **\$148.16** million increase over the 2012 gross value total of \$721,434,000. The total increase in gross value of agriculture during 2013 is **51%** above our county 10-year average of **\$575,522,000**.

I wish to extend my appreciation to the many producers, processors and agencies, both private and governmental, who assist with this report by providing us with specific information pertaining to their business. I would also like to thank the staff of the Butte County Agriculture Department for compiling this report.

Respectfully submitted,

Richard B. Price

Richard B. Price, Agricultural Commissioner

Agricultural and Weights & Measures Staff and Associates

Agricultural Commissioner/Director of Weights & Measures

Richard B. Price

Assistant Agricultural Commissioner/Weights & Measures

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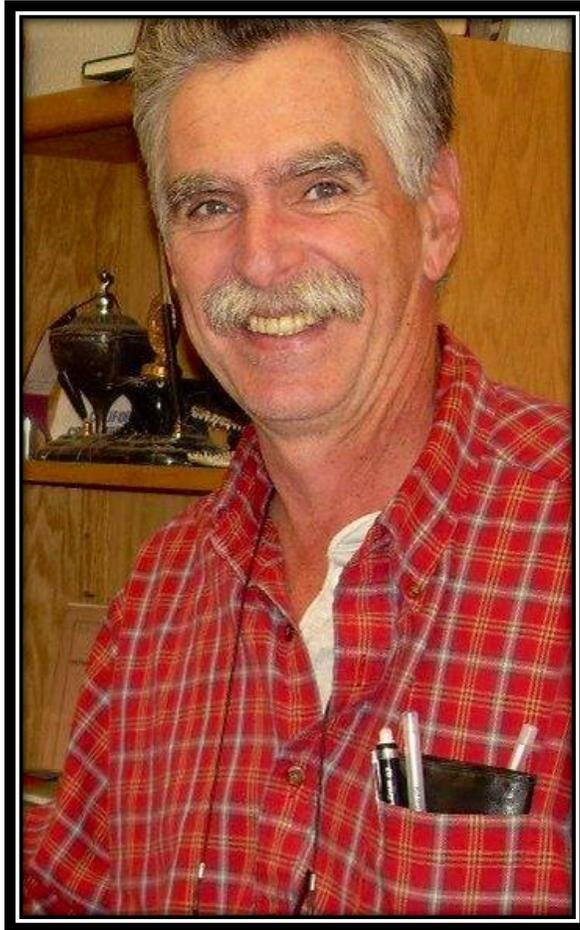
Tyson Adler, Hailey Daniels, Gary Imhoff,
James Mathys, Liz Mayhugh & Janessa Walters

GIS Technician

Sally Loker

USDA Wildlife Specialist

Matt Albertsen



Mike Stewart

The 2013 Crop Report is dedicated to Mr. Mike Stewart. Mike worked in the Agricultural Commissioner system for 37+ years. Mike was one of the pioneers that successfully implemented laws and regulations with respect to pesticide use, pest exclusion, and federal phytosanitary issues in California. Mike's common sense approach to regulatory issues as well as day to day activities will not only be missed by our department, but also by the industry. On behalf of the Butte County Agricultural Commissioner's office we congratulate Mike on his well deserved retirement.

2013 MILLION DOLLAR CROPS

Rank	Crop	Value
1	WALNUTS	\$285,436,160
2	RICE	\$200,611,221
3	ALMONDS	\$196,059,320
4	PRUNES	\$36,272,902
5	NURSERY STOCK	\$29,458,000
6	RICE SEED	\$13,029,600
7	PEACHES – CLINGSTONE	\$12,081,300
8	CATTLE & CALVES	\$10,850,000
9	TIMBER	\$8,292,000
10	FRUIT & NUTS (Misc.)	\$7,095,673
11	APIARY/POLLINATION	\$7,092,000
12	FIELD CROP misc.	\$6,363,200
13	DRYLAND PASTURE & RANGE	\$6,037,500
14	SEED (Misc)	\$5,481,000
15	ALMOND HULLS	\$4,869,810
16	KIWIS	\$4,811,100
17	PISTACHIOS	\$4,501,875
18	OLIVE OIL	\$3,609,088
19	WHEAT	\$2,688,700
20	HAY, ALFALFA	\$1,802,250
21	VEGETABLE	\$1,785,000
22	PASTURE, IRRIGATED	\$1,764,000
23	CITRUS	\$1,277,000
24	OLIVES, TABLE	\$1,210,950
25	BEANS, DRY/ EDIBLE	\$1,180,200

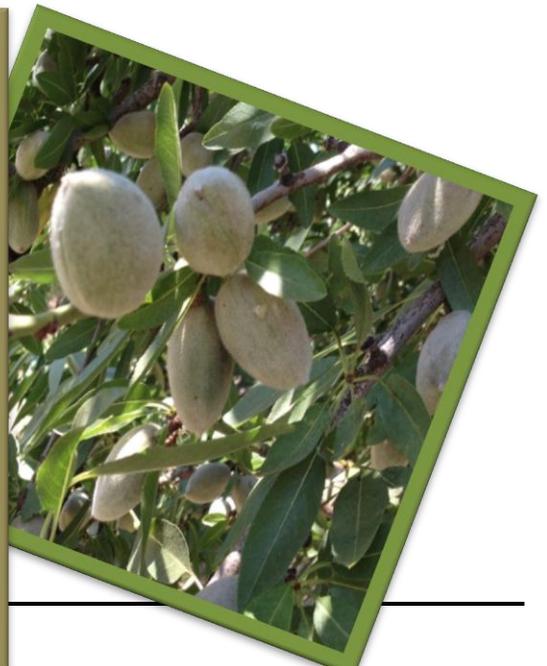


FIVE YEAR SUMMARY OF CROP VALUES

	2009	2010	2011	2012	2013
APIARY PRODUCTS	\$ 7,153,942	\$ 7,078,000	\$ 5,813,000	\$ 7,340,000	\$ 7,977,000
FIELD CROPS	\$ 201,062,334	\$ 198,690,000	\$ 160,306,000	\$ 175,063,000	\$ 220,799,346
FRUIT & NUT CROPS	\$ 280,076,771	\$ 371,097,000	\$ 416,935,000	\$ 469,591,000	\$ 557,225,178
LIVESTOCK	\$ 8,904,077	\$ 11,714,000	\$ 10,366,000	\$ 11,421,000	\$ 12,099,000
NURSERY STOCK	\$ 26,750,760	\$ 23,837,000	\$ 21,728,000	\$ 21,558,000	\$ 29,458,000
SEED CROPS	\$ 14,861,023	\$ 13,566,000	\$ 18,648,000	\$ 16,496,000	\$ 18,510,600
VEGETABLE CROPS	\$ 770,400	\$ 795,000	\$ 851,000	\$ 872,000	\$ 1,785,000
ORGANIC CROPS				\$ 9,515,000	\$ 13,448,637
CROP TOTALS	\$ 539,579,307.00	\$ 626,777,000	\$ 634,647,000	\$ 711,856,000	\$ 861,302,761
TIMBER	\$ 4,433,950.00	\$ 4,747,000	\$ 9,465,000	\$ 9,578,000	\$ 8,292,000
GRAND TOTAL	\$ 544,013,257.00	\$ 631,524,000	\$ 644,112,000	\$ 721,434,000	\$ 869,594,761

FIVE YEAR SUMMARY OF PLANT CROP ACRES

	2009	2010	2011	2012	2013
FIELD CROPS	371,082	367,419	370,401	373,484	367,783
FRUIT & NUT CROPS	90,842	97,709	93,083	95,043	96,928
SEED CROPS	5,482	5,785	6,949	6,468	6,923
VEGETABLE CROPS	740	755	792	789	844
GRAND TOTAL	468,146	471,668	471,225	475,784	472,478



2013 FRUIT & NUT CROPS ACREAGE STATISTICS

ORCHARD CROPS	BEARING ACREAGE	NON-BEARING ACREAGE	TOTAL ACREAGE
ALMONDS	37,512	909	38,421
APPLES	65	--	65
APRICOTS	34	--	34
AVOCADOS	1	--	1
CHERRIES	391	--	391
CHESTNUTS	42.3	4.7	47
GRAPES (All)	159	18	177
KIWIS	610.9	4.1	615
MANDARINS	91	--	91
NECTARINES	8	--	8
OLIVES (Oil)	1,855	200	2,055
OLIVES (Table)	690	--	690
ORANGES	81	--	81
PEACHES, CLINGSTONE	2,036	4	2,040
PEACHES, FREESTONE	56	--	56
PEARS	13	--	13
PECANS	361	--	361
PERSIMMONS	96	--	96
PISTACHIOS	673	--	673
PLUMS	6	--	6
PRUNES	8,815	513	9,328
WALNUTS, ENGLISH	43,389	3,000	46,389
WALNUTS, BLACK	30	--	30
TOTAL	97015.2	4652.8	101668

**Data from California Crop and Livestock Reporting Service and other sources*



2013 FRUIT & NUT CROPS ACREAGE, PRODUCTION AND VALUE

Crop	Year	Production Harvested Acreage	Value (Per Acre)	Total	Unit	Crop	Total Value (\$)
ALMONDS	2013	37,512	0.93	34,886	Ton	5,620	196,059,320
	2012	39,756	0.88	34,985	Ton	4,600	160,931,000
HULLS	2013	--	--	44,271	Ton	110	4,869,810
	2012	--	--	44,718	Ton	103	4,606,000
CITRUS	2013	172	5.4	928	Ton	1,375	1,277,000
	2012	175	4.85	848	Ton	950	806,000
KIWIS	2013	611	7.5	4,582	Ton	1,050	4,811,100
	2012	676	8.29	5,604	Ton	990	5,548,000
OLIVES (OIL)	2013	1,855	3.2	5,936	Ton	608	3,609,088
	2012	2,055	4.3	8,837	Ton	560	4,949,000
OLIVES (TABLE)	2013	690	1.8	1,242	Ton	975	1,210,950
	2012	690	3.26	2,249	Ton	976	2,195,000
PEACHES	2013	2,092	16.5	34,518	Ton	350	12,081,300
	2012	2,091	15.62	32,661	Ton	303	9,896,000
PISTACHIOS	2013	673	1.3	875	Ton	5,145	4,501,875
	2012	487	1.55	755	Ton	4,336	3,274,000
PRUNES	2013	8,815	2.5	22,037	Ton	1,646	36,272,902
	2012	9,820	2.43	23,863	Ton	1,363	32,525,000
WALNUTS	2013	43,419	1.9	82,496	Ton	3,460	285,436,160
	2012	37,970	2.13	80,876	Ton	2,900	234,540,000
MISC. **	2013	1,089	--	--	Ton	--	7,095,673
	2012	1,323	--	--	Ton	--	10,321,000
TOTAL		96,928	--	--	Ton	--	\$557,225,178

** Apples, blueberries, cherries, grapes (all), pears, pecans, persimmons, fruit trees
Acres may vary from state report. Figures are based on harvested acres only.



2013 FIELD CROP ACREAGE, PRODUCTION AND VALUE

CROP	YEAR	ACREAGE	VALUE (PER ACRE)	TOTAL	CROP	TOTAL
BEANS, DRY EDIBLE	2013	937	0.9	843	\$1,400	\$1,180,200
	2012	794	0.98	778	\$958	\$918,000
ALFALFA	2013	1,335	6	8,010	\$225	\$1,802,250
	2012	1,080	6.16	6,652	\$215	\$1,430,000
PASTURE, IRRIGATED	2013	14,700	--	--	\$120	\$1,764,000
	2012	17,000	--	--	\$120	\$2,040,000
PASTURE, OTHER	2013	241,500	--	--	\$25	\$6,037,500
	2012	245,000	--	--	\$19	\$4,655,000
RICE	2013	98,445	4.6	452,847	\$443	\$200,611,221
	2012	94,451	4.36	412,198	\$375	\$154,574,000
SAFFLOWER	2013	447	1.5	671	\$525	\$352,275
	2012	288	0.89	256	\$495	\$126,720
WHEAT	2013	4,871	2.4	11,690	\$230	\$2,688,700
	2012	8,973	2.65	23,778	\$230	\$5,469,000
MISC. **	2013	5,548	--	--	--	\$6,363,200
	2012	5,902	--	--	--	\$6,560,000
TOTAL	2013	367,783	--	--	--	\$220,799,346





2013 SEED ACREAGE, PRODUCTION & VALUE

CROP	YEAR	ACREAGE	VALUE (PER ACRE)	TOTAL	CROP	TOTAL
RICE	2013	4,880	8,900	43,432,000	\$0.30	\$13,029,600
	2012	4,241	9,100	38,593,000	\$0.29	\$11,192,000
MISC.	2013	2,043	--	--	--	\$5,481,000
	2012	2,227	--	--	--	\$5,304,000
TOTAL		6,923	--	--	--	\$18,510,600

2013 APIARY PRODUCTS, PRODUCTION & VALUE

CROP	YEAR	PRODUCTION	VALUE PER COLONY	TOTAL
POLLINATION	2013	53,789	\$143	\$7,092,000
	2012	45,650	\$143	\$6,528,000
OTHER APIARY PRODUCTS	2013	--	--	\$885,000
	2012	--	--	\$812,000
TOTAL		53,789	\$143.00	\$7,977,000



2013 ORGANIC CROP STATISTICS



Registered Organic Producers*

77 Farms

15,269 Acres

\$13,448,637 Total Value



**Includes alfalfa, almonds, apples, berries, cherries, cut flowers, grapes, herbs, kiwi fruit, livestock, dairy, mandarins, nursery stock, olives, peaches, persimmons, prunes, rice, safflower, tomatoes, vegetables, vetch, walnuts and wild rice.*

2013 VEGETABLE VALUE

Certified Producers*

\$872,000 - 2012 Total Value

\$1,785,000 - 2013 Total Value

**Includes asparagus, broccoli, corn, cucumbers, melons, onions, oriental vegetables, pumpkins, squash, tomatoes, etc...*

2013 NURSERY ACREAGE & VALUE

238 - 2012 Total Acres

286 - 2013 Total Acres

\$21,558,000 - 2012 Total Value

\$29,458,000 - 2013 Total Value

**Includes broad leaved evergreens, coniferous evergreens, deciduous fruit, nut and shade trees, shrubs, kiwi vines, herbaceous perennials, indoor decorative plants, bulbs, rhizomes, bedding plants, and specimen trees.*



2013 LIVESTOCK & POULTRY

ITEM	YEAR	NO. OF HEAD	TOTAL LIVE WT.	\$ PER HEAD	TOTAL
CATTLE & CALVES	2013	15,500	77,500	\$140.00	\$10,850,000
	2012	15,400	77,000	\$124.00	\$9,548,000
SHEEP	2013	2,000	3,000	\$165.00	\$495,000
	2012	1,800	2,700	\$100.00	\$270,000
MISC.	2013	--	--	--	\$754,000
	2012	--	--	--	\$673,000
TOTAL		--	--	--	\$12,099,000



2013 LIVESTOCK PRODUCTS

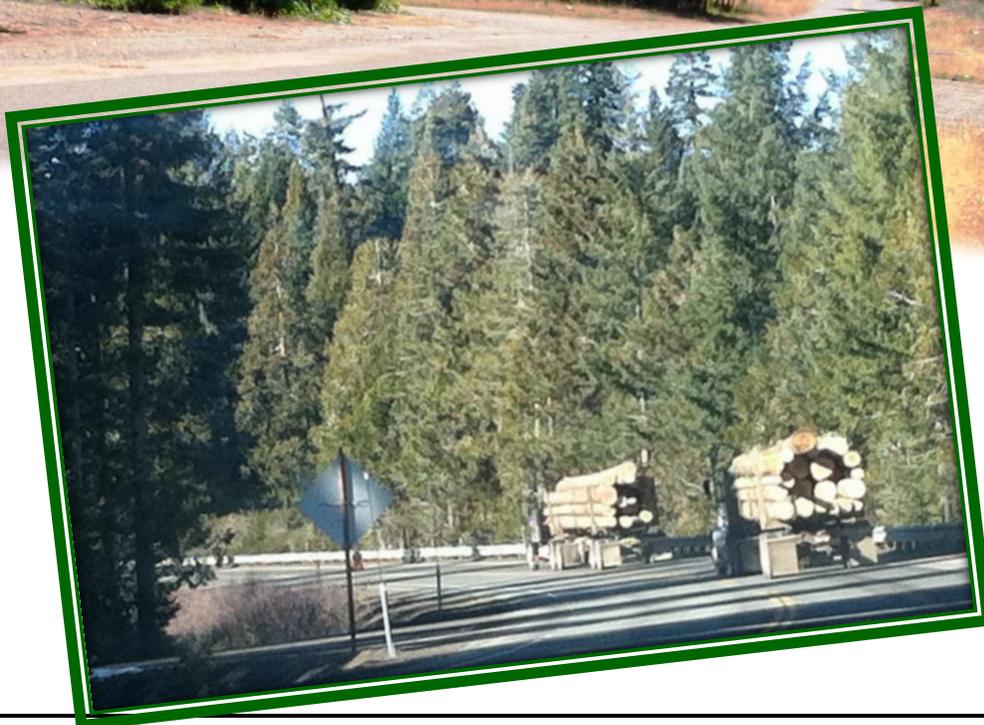
ITEM	YEAR	PRODUCTION	UNIT	\$ PER UNIT	TOTAL
MILK, MARKET	2013	46,053	Cwt	\$19.46	\$896,000
	2012	50,598	Cwt	\$17.00	\$872,000
MILK, MANUFACTURING	2013	796	Cwt	\$18.84	\$15,000
	2012	3,172	Cwt	\$18.00	\$58,000
TOTAL		46,849	Cwt	--	\$911,000

2013 HARVEST TIMBER PRODUCTION & VALUE

ITEM	YEAR	PRODUCTION (BFT)	VALUE
HARVESTED TIMER	2013	38,101,000	\$8,283,000
	2012	45,198,000	\$9,573,000
OTHER TIMBER PRODUCTS	2013	--	\$9,000.00
	2012	--	\$5,000
TOTAL		--	\$8,292,000

**Board feet is the quantity of timber cut and scaled.*

***Timber production and value data are provided by State Board of Equalization, Timber Tax Division.*



2013 Butte County International Trading Partners

Butte County experienced a steady growth in Agricultural Exports in 2013. The agricultural export business continues to be a bright spot for Butte County's economy.

Commodities Exported

Almonds	Figs	Seeds: Other	Tomatoes
Almond Hulls	Kiwi	Stone Fruit: Other	Vine Seeds
Air Plants	Plums: All	Sunflower Seeds	Walnuts
Cole Crops	Rice: All	Timber	

Destination Countries

Argentina	Czech Republic	Jordan	Russian Federation
Australia	Denmark	Latvia	Republic of Korea
Austria	Egypt	Lebanon	Samoa
Bahrain	El Salvador	Libya	Saudi Arabia
Belarus	Estonia	Lithuania	Serbia
Belgium	France	Malaysia	Singapore
Bolivia	French Polynesia	Mexico	South Africa
Bosnia/ Herzegovina	Germany	Mongolia	Spain
Botswana	Ghana	Morocco	Sweden
Brazil	Greece	Netherlands	Switzerland
British Virgin Islands	Guatemala	New Caledonia	Taiwan
Cambodia	Hong Kong	New Zealand	Thailand
Canada	India	Nicaragua	Trinidad & Tobago
Chile	Indonesia	Norway	Turkey
Colombia	Israel	Pakistan	Ukraine
Costa Rica	Italy	Panama	United Arab Emirates
Croatia	Japan	People's Republic of China	United Kingdom
Cyprus		Poland	Uruguay
			Vietnam



2013 Sustainable Agricultural Report

This report summarizes the varied activities and the methods used to prevent and control the spread of exotic pests in Butte County.

The pest detection, pest exclusion, and pest eradication programs serve to protect the county from infestation of introduced pests. Through monitoring and quick response to small infestations, damaging pest populations can be controlled before they require a large-scale response.

Biological Control provides a method of sustainable pest control with a minimum impact to the environment.

PEST DETECTION

Approximately 1,117 traps were placed throughout the County to detect the presence of these pests: Mediterranean, Oriental and Melon Fruit Flies; Japanese and Khapra Beetles; European Grapevine and Gypsy Moth; Glassy-winged Sharpshooter and Asian Citrus Psyllid.

PEST EXCLUSION

Approximately 6,597 shipments were inspected for live exotic pests including the Glassy-winged Sharpshooter and Sudden Oak Death resulting in 21 Notice of Rejections issued.

PEST MANAGEMENT

Weed Control Projects

		Control Activity	Chemical	Distribution
Skeleton Weed	<i>Chondrilla juncea</i>	Herbicide	Aminnopyralid	5 sites ~ 15 acres
Knap Weed, species	<i>Centaurea species</i>	Herbicide	Aminnopyralid	3 sites ~ 35 acres
Oblong Spurge	<i>Euphorbia oblongata</i>	Herbicide	Triclopyr	3 sites in Paradise 1 site in Thermalito 1 site Chico
Sesbania	<i>Susbania punicea</i>	Herbicide	Triclopyr	Multiple locations in Oroville
Broom, species – In 2012 a total of 36 linear miles were treated with herbicide in Butte County				
Spanish	<i>Spartium junceum</i>	Herbicide	Triclopyr	Multiple County Locations
French	<i>Cytisus monspesslarus</i>	Herbicide	Triclopyr	Multiple County Locations
Scotch	<i>Cytisus scoparius</i>	Herbicide	Triclopyr	Multiple County Locations
Purple Loosestrife	<i>Lythrum salicaria</i>	Bio-control	Various Agents	>500 acres in Oroville
White Horsenettle	<i>Solanum marginatum</i>	Herbicide	Triclopyr	1 site South Gridley Hwy 99
Wingleaf Primrose	<i>Ludwigia decurrans</i>	Herbicide	Glyphosate	Limited locations in Richvale

Insect Control Projects

		Control Activity	Chemical	Distribution
Glassy-winged Sharpshooter	<i>Homalodisca coagulata</i>	Insecticide	Imidacloprid	4 sq. miles in Chico, Eradicated

Butte County Weights and Measures

The Butte County Agricultural Commissioner/Director of Weights & Measures plays a vital role in the economic activity of the county. The program serves the community by safeguarding weighing and measuring accuracy and assuring confidence and integrity of purchased items. The benefit our office provides ensures fair competition for industry and accurate value comparison for consumers.

As a neutral third party between buyers and sellers we:

- Test weighing and measuring devices for correctness
- Examine and evaluate the work of service repairman
- Verify the quantity of bulk and packaged commodities
- Check consumer packages for proper labeling
- Inspect price scanner systems for accuracy
- Review weighmaster certificates, licensing requirements, proper bin and truck tares
- Regulate the advertising, labeling and quality standards for petroleum products

Weights & Measures Inspections Performed in 2013

SCALES	METERS	QUANTITY CONTROL
367 - Computing	2,039 - Gas Pumps	1,680 – Package Audits
110 - Truck	201 – Electric Utility	450 – Packages Scanned
86 – Dormant/ Platform	150 – Gas Utility	10 – Overcharges
53 – Counter	111 – Taxi	5 – Packages Off Sale
50 – Farmer’s Market Scales	107- Water Utility	3 – Bulk Commodity
49 – Recycling	38 – Wholesale Gas & Diesel	1 – Labeling
29 – Shipping	36 – Water Vending Machines	<u>PETROLEUM</u>
18 – Animal/ Livestock	22 - Petroleum Trucks	78 – Initial Inspections
15 - Gold/ Jewelry/ Rx	6 – Carpet/ Fabric/ Rope/ Wire	15 – Antifreeze/ Diesel/ Gas Samples
7 - Landscape	6 - Stationary Propane	<u>WEIGHMASTER</u>
6 – Batch Hopper	2 - Compressed Natural Gas	28 – Audits
1 – Monorail		24 – Truck Tares
		8 – Follow Ups

Ensuring Accurate Propane Deliveries

Propane gas in Butte County is big business. We have six propane gas companies operating in our county using over twenty-five propane trucks to provide service to thousands of residences in unincorporated areas. These customers depend on propane gas to heat their homes and water heaters and to run appliances. To deliver and sell their product, gas companies use trucks with meters mounted on them. The propane is stored under pressure to keep it in liquid form making it practical to transport and measure. To ensure accurate deliveries to consumers, the County Agricultural Commissioner/Sealer of Weights & Measures tests these meters annually.

A specialized piece of equipment called a propane prover is used to test the meters. Prior to 2013, we did not own a prover; we shared a 100 gallon prover with five neighboring counties. In order to use the prover, a \$300.00 annual fee was charged and the money deposited into a maintenance and replacement fund. The challenge with sharing the prover was that we only had access to it for three months during the busiest time of the year for propane sales. This made it difficult to test all the truck meters that needed testing, especially those that failed and had to be recalibrated and retested. We needed access to a 100 gallon propane prover all year. However, with the purchase price of approximately \$20,000 new and \$10,000 used, the likelihood of obtaining a prover seemed remote.

During a Deputy Sealers meeting Kern County Weights & Measures announced that their Board of Supervisors approved the funds for the purchase of a new 100 gallon propane prover and that their old one was going to be auctioned off. We approached Kern County and told them we were interested in purchasing the prover. They decided to donate it to us at no cost. After \$3,000 in repairs and upgrades it will go to the State of California Division of Measurement Standards Metrology Lab for certification. Having access to a 100 gallon propane prover year round will help us keep up with inspection demands and ensure that propane gas deliveries are accurate and correct.





Department of Agriculture
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