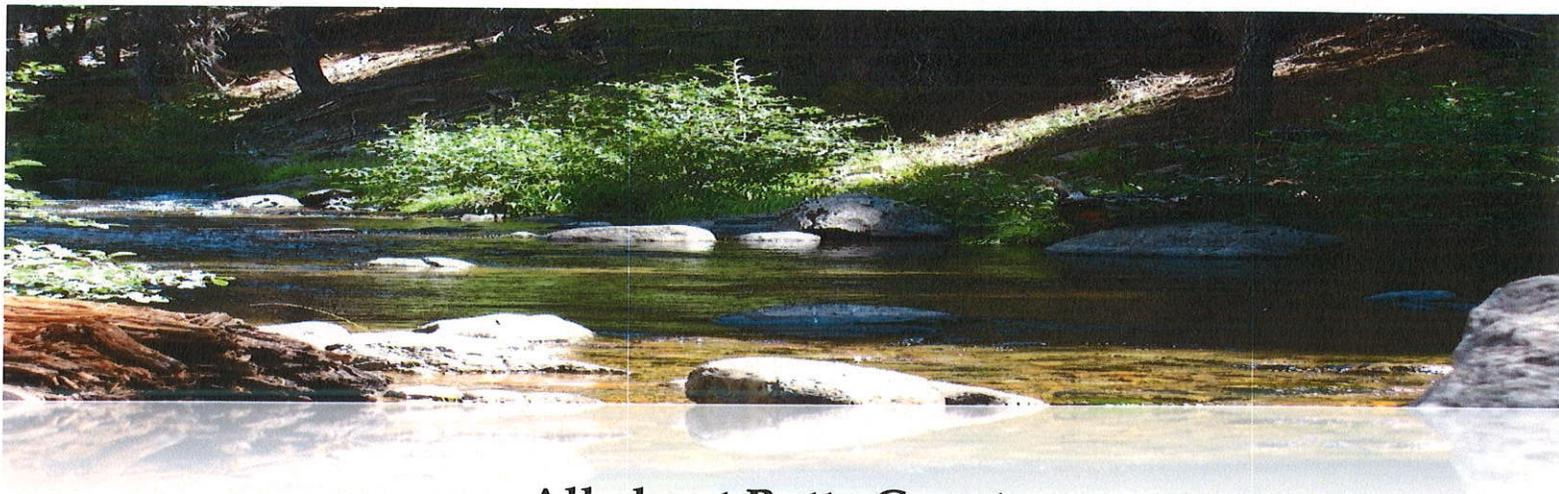


2011

Butte County Agricultural Crop Report





All about Butte County

"Land of Natural Wealth and Beauty"

The Butte County seat is Oroville, California

As of 2009, the population of Butte County was approximately 220,577

Butte County is approximately 1,677 square miles

1,639 square miles are land, 38 square miles are water

The highest point is Humboldt Peak at 7,870 feet

The lowest point is 90 feet above sea level

Butte County has rich valley soils, rolling hills, volcanic peaks and mesas

Butte County has 60,000 acres of parkland and wildlife preserves

Butte County is a vital wintering site for waterfowl that migrate through the Pacific Flyway; including geese, ducks and swans

Bidwell Park includes 3,600 acres of parkland

Feather Falls is the 6th largest waterfall in the U.S.

Average rainfall in Butte County is 26.04"

The 30-year average shows January's high temperature to be 54 degrees and the low temperature to be 36 degrees

The 30-year average shows June's high temperature to be 97 degrees and the low temperature to be 60 degrees



Agricultural and Weights & Measures Staff and Associates

Agricultural Commissioner/Director of Weights & Measures

Richard B. Price

Assistant Agricultural Commissioner/Weights & Measures

Mary E. Daniels

Deputy Director's of Agriculture/Weights & Measures

Navid A. Khan, Robert C. Hill, Tom Pisani

Supervising Agricultural Biologists

Mike Stewart, Helmut Bloo

Administrative Assistant, Senior

Charmaine Damron

Office Specialists

Friede Violante, Janice Wallick

Senior Agricultural Biologist/Weights & Measures Inspectors

Randy Hartman, Ron Hunt, Katharine Quist, Eric Pittman

Agricultural Biologist/Weights & Measures Inspectors

Anastacia Allen, Apolinar Barrales, Ramon Jauregui, Dan Shrout, Paul Weliver

Agricultural Technicians

Tyson Adler, Gary Imhoff, Evan Padgett, Molly Quisenberry, Julia Boyer, Craig Thompson, Kami Williams.

GIS Technician

Sally Loker

USDA Wildlife Specialist

Matt Albertson



Butte County

LAND OF NATURAL WEALTH AND BEAUTY

OFFICES OF AGRICULTURAL COMMISSIONER WEIGHTS AND MEASURES

316 NELSON AVENUE OROVILLE, CALIFORNIA 95965-3318
AGRICULTURAL DEPT.: OFFICE: (530) 538-7381 FAX: (530) 538-7594

RICHARD B. PRICE
Agricultural Commissioner
Director of Weights and Measures

MARY E. DANIELS
Assistant Agricultural Commissioner
Weights and Measures

July 11, 2012

Karen Ross, Secretary of

California Department of Food and Agriculture

The Honorable Butte County Board of Supervisors

Steve Lambert, Chairperson

Bill Connelly

Larry Wahl

Maureen Kirk

Kim Yamaguchi

Paul Hahn, Chief Administrative Officer,

In accordance with provisions of section 2279 of the California Food and Agriculture Code, I am submitting the sixty-sixth annual crop report of agricultural production and agricultural value in Butte County for the 2011 calendar year.

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 2011 totaled \$644,112,000. This is a 12 million dollar increase over the 2010 gross value total of \$631,524,000. The total increase in gross value of agriculture during 2011 is 29.0 percent above our county 10-year average of \$443,046,000.

I wish to extend my appreciation to the many producers, processors and agencies, both private and governmental, and to all the staff for their efforts in the compilation of this report.

Respectfully submitted,

Richard B. Price

Richard B. Price, Agricultural Commissioner



2011 MILLION DOLLAR CROPS

	<u>CROP</u>	<u>VALUE</u>
1	WALNUTS	\$218,915,000
2	RICE	\$141,515,000
3	ALMONDS	\$129,080,000
4	DRIED PLUM	\$33,262,000
5	NURSERY STOCK	\$21,728,000
6	RICE SEED	\$15,340,000
7	FRUIT NUTS Misc.	\$11,169,000
8	CATTLE/CALVES	\$10,366,000
9	TIMBER	\$9,465,000
10	PEACHES-CLINGSTONE	\$7,836,000
11	FIELD CROPS Misc.	\$7,076,000
12	APIARY/POLLINATION	\$5,813,000
13	KIWIS	\$5,527,000
14	ALMOND HULLS	\$4,708,000
15	DRYLAND PASTURE & RANGE	\$4,655,000
16	SEED, Misc	\$3,308,000
17	OLIVES ALL	\$2,893,000
18	WHEAT	\$2,841,000
19	PISTACHIOS	\$2,358,000
20	PASTURE , Irrigated	\$1,930,000



FIVE YEAR SUMMARY OF CROP VALUES

	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
APIARY PRODUCTS	\$7,300,000	\$7,197,000	\$7,153,942	\$7,078,000	\$5,813,000
FIELD CROPS	\$144,741,000	\$266,206,000	\$201,062,334	\$198,690,000	\$160,306,000
FRUIT & NUT CROPS	\$298,284,000	\$232,981,000	\$280,076,771	\$371,097,000	\$416,935,000
LIVESTOCK, all	\$12,679,000	\$11,218,000	\$8,904,077	\$11,714,000	\$10,366,000
NURSERY STOCK	\$18,832,000	\$30,748,000	\$26,750,760	\$23,837,000	\$21,728,000
SEED CROPS	\$8,271,000	\$14,853,000	\$14,861,023	\$13,566,000	\$18,648,000
VEGETABLE CROPS	\$588,000	\$720,000	\$770,400	\$795,000	\$851,000
SUB TOTAL	\$490,695,000	\$563,923,000	\$539,579,307	\$626,777,000	\$635,647,000
TIMBER, all	\$16,558,000	\$16,005,000	\$4,433,950	\$4,747,000	\$9,465,000
GRAND TOTAL	\$507,253,000	\$579,928,000	\$544,013,257	\$631,524,000	\$644,112,000

FIVE YEAR SUMMARY OF PLANT CROP ACRES

	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
FIELD CROPS	368,396	375,030	371,082	367,419	370,401
FRUIT & NUT CROPS	88,373	86,672	90,842	97,709	93,083
SEED CROPS	5,671	5,702	5,482	5,785	6,949
VEGETABLE CROPS	685	690	740	755	792
GRAND TOTAL	463,125	468,094	468,146	466,989	471,225

2011 FIELD CROP ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>				<u>VALUE</u>	
		<u>HARVESTED</u> <u>ACREAGE</u>	<u>PER</u> <u>ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>CROP</u>	<u>TOTAL</u> <u>VALUE</u>
Beans, Dry Edible	2011	619	1.24	768	Ton	\$969	\$744,000
	2010	950	1.44	1,368	Ton	\$1,440	\$1,970,000
Hay, Alfalfa	2011	987	6.20	6,119	Ton	\$229	\$1,401,000
	2010	1080	6.35	6,858	Ton	\$118	\$809,000
Pasture, Irrigated	2011	16,500			Acre	\$117	\$1,930,000
	2010	16,500			Acre	\$123	\$2,030,000
Pasture, Other	2011	245,000			Acre	\$19.30	\$4,655,000
	2010	245,000			Acre	\$14.50	\$3,553,000
Rice*	2011	95,043	4.23	402,032	Ton	\$352	\$141,515,000
	2010	93,800	4.65	436,000	Ton	\$418	\$182,248,000
Safflower	2011	348	.86	299	Ton	\$481	\$144,000
	2010	375	1.18	443	Ton	\$315	\$134,000
Wheat	2011	5,751	2.41	13,860	Ton	\$205	\$2,841,000
	2010	3964	2.23	8,834	Ton	\$180	\$1,591,000
Misc**	2011	6,153					\$7,076,000
	2010	5,750					\$6,634,000
Total	2011	370,401					\$160,306,000
	2010	367,419					\$198,690,000

*Includes government payments.

**Alfalfa silage, barley, bean (other), corn, corn silage, lavender, oats, pumpkin, sorghum, wild rice, sweet rice, organic field crops, crop byproducts, etc.



2011 SEED ACREAGE, PRODUCTION & VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>				<u>VALUE</u>	
		<u>HARVESTED</u> <u>ACREAGE</u>	<u>PER</u> <u>ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>CROP</u>	<u>TOTAL</u> <u>VALUE</u>
Rice	2011	5,560	8,900	49,484,000	Lbs.	\$0.31	\$15,340,000
	2010	4,327	9,300	40,241,100	Lbs.	\$0.27	\$10,865,000
Misc.	2011	1,389					\$3,308,000
	2010	1,458					\$2,701,000
Total	2011	6,949					\$18,648,000
	2010	5,785					\$13,566,000

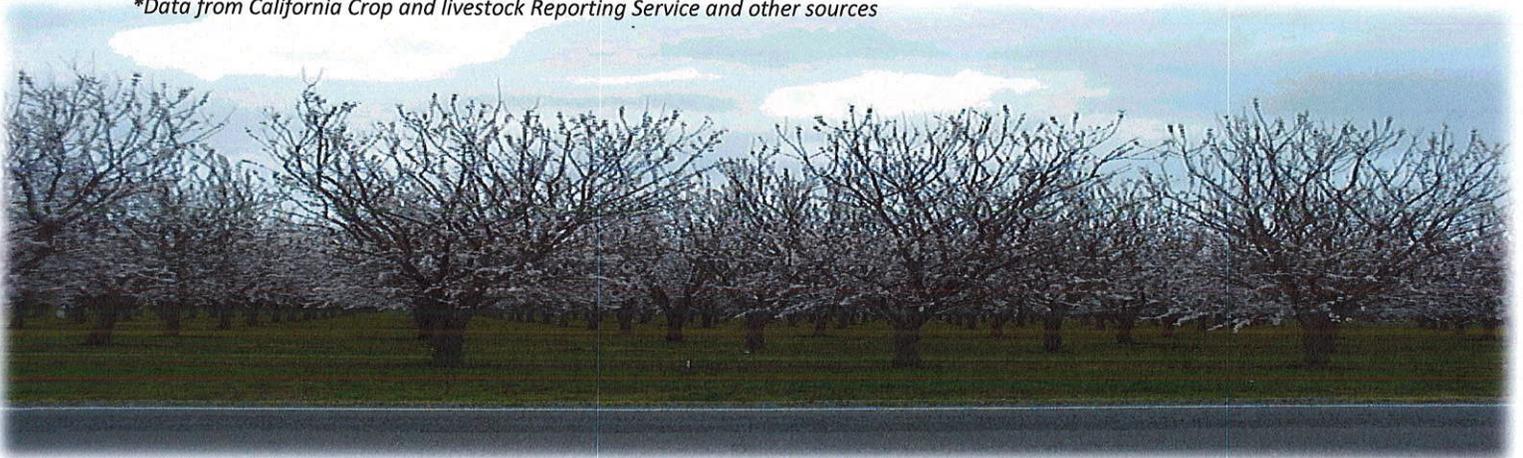
**Beans (other), cucurbits, melons, pumpkins, squash, sunflower, wild rice, organic field crops, crop byproducts, etc.*



2011 FRUIT & NUT CROPS ACREAGE STATISTICS

<u>Orchard Crops</u>	<u>Bearing Acreage*</u>	<u>Non-Bearing Acreage*</u>	<u>Total Acreage*</u>
Almonds	38,051	2,256	40,307
Apples	68	0	68
Apricots	31	9	40
Avocados	3	0	3
Cherries	327	51	385
Chestnuts	38	0	38
Grapes (all)	245	10	255
Kiwis	676	0	676
Mandarins	61	3	64
Nectarines	10	0	10
Olives (Oil)	2,055	200	2,541
Olive (Table)	690	0	690
Oranges	114	0	114
Peaches, Clingstone	2,091	48	2,139
Peaches, Freestone	70	0	70
Pears (all)	9	0	9
Pecans	246	123	369
Persimmons	89	0	89
Pistachios	487	180	667
Plums	151	14	165
Dried Plums	9,790	548	10,161
Walnuts, English	37,770	4,486	42,256
Walnuts, Black	30	0	30
Total	93,083	7,928	101,146

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



2011 FRUIT & NUT CROPS ACREAGE, PRODUCTION AND VALUE

<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION</u>				<u>VALUE</u>	
		<u>HARVESTED</u> <u>ACREAGE</u>	<u>PER</u> <u>ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>CROP</u>	<u>TOTAL VALUE</u>
ALMONDS	2011	38,051	0.90	34,200	Ton	\$3,740	\$129,080,000
	2010	39,262	0.84	32,980	Ton	\$2,450	\$113,781,000
HULLS	2011	38		42,800	Ton	\$110	\$4,708,000
	2010			39,576	Ton	\$86	\$3,404,000
CITRUS	2011	117	4.70	550	Ton	\$950	\$522,000
	2010	94	4.58	430	Ton	\$1130	\$486,000
KIWIS	2011	676	8.36	5,600	Ton	\$980	\$5,488,000
	2010	710	7.48	5,310	Ton	\$1540	\$8,177,000
OLIVES (oil)	2011	2055	2.2	4,500	Ton	\$550	\$2,475,000
	2010	2055	4.3	8,836	Ton	\$555	\$4,904,000
OLIVES (Table)	2011	690	.55	380	Ton	\$1,010	\$384,000
	2010	868	3.45	2,994	Ton	\$790	\$2,366,000
PEACHES	2011	2,161	14.80	31,900	Ton	\$250	\$7,975,000
	2010	2,288	15.4	35,235	Ton	\$275	\$9,690,000
PISTACHIOS	2011	487	1.1	530	Ton	\$4,400	\$2,332,000
	2010	487	.98	477	Ton	\$3,966	1,892,000
PLUMS (Dried)	2011	9,790	2.48	24,300	Ton	\$1,370	\$33,291,000
	2010	10,790	.98	31,291	Ton	\$1,360	\$42,556,000
WALNUTS	2011	37,770	2.07	78,100	Ton	\$2,800	\$218,680,000
	2010	33,330	2.67	88,465	Ton	\$1,980	\$173,392,000
**MISC.	2011	1,409			Ton		\$11,169,000
	2010	1,317			Ton		\$10,440,000
TOTAL	2011	93,206			Ton		\$416,104,000
	2010	91,171			Ton		\$371,097,000

*** Apples, apricots, avocados, blueberries, misc. berries, black walnuts, cherries, chestnuts, grapes, mandarins, peaches, (Freestone), crop by-products, pears, pecans, persimmons, plums, fresh prunes, organic tree crops, etc.
Acres may vary from state report. Figures are based on harvested acres only.*





2011 APIARY PRODUCTS, PRODUCTION & VALUE

<u>CROP</u>	Year	<u>Production</u>		<u>Value</u>	
		Total	Unit	Per Unit	Total
Pollination*	2011	42,120	Colony	\$138.00	\$5,813,000
	2010	43,915	Colony	\$145.00	\$6,368,000
Other Apiary Products**	2011				\$770,000
	2010				\$710,000
TOTAL	2011				\$6,583,000
	2010				\$7,078,000

*Pollination includes all required to pollinate crops grown in Butte County.

** Includes beeswax, honey, nuclei, packaged bees and queens.

2011 ORGANIC CROP STATISTICS

Registered Organic Producers*

84 Farms

19,386 Acres

\$8,472,000 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.*



2011 VEGETABLE VALUE

Certified Producers*

\$851,000 2011 Total Value

\$795,000 2010 Total Value

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

2011 NURSERY ACREAGE & VALUE

224 - 2011 Total Acres

238 - 2010 Total Acres

\$21,728,000 2011 Total Value

\$23,837,000 2010 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.*



2011 LIVESTOCK & POULTRY

ITEM	YEAR	PRODUCTION			VALUE	
		NO. OF HEAD	TOTAL LIVE WT.	UNIT	VALUE PER UNIT	TOTAL VALUE
Cattle & Calves	2011	15,500	77,500	Cwt.	\$115.00	\$8,913,000
	2010	19,500	97,900	Cwt.	\$110.00	\$10,770,000
Sheep, All	2011	1,700	2,550	Cwt.	\$72.00	\$184,000
	2010	1,400	1,925	Cwt.	\$65.00	\$125,100
Hogs, All	2011	2,090	6,270	Cwt.	\$125.00	\$784,000
	2010	590	1,530	Cwt.	\$120.00	\$183,600
	2011					\$485,000
	2010					\$510,000
TOTAL	2011					\$10,366,000
	2010					\$11,714,000

*Fish, Poultry, Pheasant, Quail, Rabbits, Worms, Organic, etc.

2011 LIVESTOCK PRODUCTS



ITEM	YEAR	PRODUCTION	UNIT	VALUE PER	
				UNIT	TOTAL
Milk, Market*	2011	52,894	Cwt.	\$20.12	\$1,064,000
	2010	52,284	Cwt.	\$16.10	\$842,000
Milk, Manufacturing*	2011	2,682	Cwt.	\$19.02	\$51,000
	2010	3,324	Cwt.	\$14.84	\$48,000
TOTAL	2011		Cwt.		\$1,115,000
	2010	55,608	Cwt.		\$890,000

*California Agricultural Statistics Service

2011 HARVEST TIMBER PRODUCTION & VALUE

ITEM	YEAR	PRODUCTION BOARD FEET*	VALUE
Harvested Timber**	2011	42,617,000	\$9,459,000
	2010	31,739,000	\$4,741,000
Other Timber Products	2011		\$6,000
	2010		\$5,400
TOTAL	2011		\$9,465,000
	2010		\$4,747,000

*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.





2011 Butte County International Trading Partners

Butte County experienced a steady growth in Agricultural Exports in 2011. The agricultural export business continues to be a bright spot for Butte County's economy.

Commodities Exported

Almonds	Figs	Rice, all	Timber
Almond Shells	Kiwi	Seeds, other	Tomatoes
Air Plants	Plums, all	Sunflower Seeds	Walnuts

Destination Countries

Afghanistan	Greece	Mongolia	Singapore
Algeria	Guatemala	Morocco	South Africa
Austria	Hong Kong	Nepal	Spain
Belgium	Hungary	Netherlands	Sri Lanka
Brazil	India	New Zealand	Sweden
Cambodia	Indonesia		
Chile	Israel	Oman	Switzerland
China	Italy	Pakistan	Taiwan
Czech Republic	Japan	Philippines	Ukraine
	Kenya	Peoples Republic of China	United Arab Emirates
Denmark	Kyrgyzstan	Poland	United Kingdom
Ecuador	Latvia	Republic of Korea	Uzbekistan
France	Malaysia	Russian Federation	Vietnam
Germany	Mexico	Saudi Republic	



SHIPPER'S ORIGINAL

2011 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 1,115 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 10,546 shipments were inspected for live exotic pests including the Glassy-winged Sharpshooter and Sudden Oak Death resulting in 7 Notice of Rejections issued.

PEST MANAGMENT

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
Japanese Dodder	<i>Cuscuta japonica</i>	Manual/Herbicide	Glyphosate	3 Oroville locations, Eradicated
Oblong Spurge	<i>Euphorbia Oblongata</i>	Herbicide	Triclopyr	3 sites in Paradise
Sesbania	<i>Susbania punicea</i>	Herbicide	Triclopyr	Multiple locations in Oroville
Broom, species - In 2011 a total of 36 linear miles were treated with herbicide in Butte County				
Scotch	<i>Cytisus scoparius</i>	Herbicide	Triclopyr	Multiple County locations
Spanish	<i>Spartium junceum</i>	Herbicide	Triclopyr	Multiple County locations
French	<i>Cytisus monspesslarus</i>	Herbicide	Triclopyr	Multiple County locations
Purple Loosestrife	<i>Lythrum salicaria</i>	Bio-control	Various Agents	>500 acres in Oroville

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 Agriculture Department, Division of Weights and 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

Mission

Our mission is to work with consumers and industry to insure that product transactions are fair, equitable and honest. As a regulatory agency established to uphold state weights and measures laws and regulations, our approach is to develop a positive working relationship with those we regulate and serve. This means achieving compliance in the most time efficient and cost effective means possible for all stakeholders. Understanding the important role business and industry play in Butte County, our desire is to foster an atmosphere that keeps them competitive and profitable, while simultaneously, making sure they comply with state mandated weights and measures statutes. This practice requires a more "customer oriented" attitude, but it's the key to achieving equity in the marketplace in Butte County.

Providing a Service to Consumers and Industry

In 2010 we received and responded to over forty-five consumer weights and measures related complaints. In previous years, we would get more responses from consumers wanting to file complaints than we did from businesses requesting testing services. However, in 2010, the opposite occurred and we received almost twice as many requests from businesses asking for inspection services.

Weights & Measures Inspections Performed in 2011

SCALES

230 - Point of Sale
 218 - Computing
 101 - Truck
 52 - Ag. Platform
 50 - Farmer's Market
 47 - Recycling Platform
 33 - Counter
 31 - Shipping
 19- Building/Landscape/Medical
 16 - Jewelry & Prescription
 9 - Animal/Livestock
 4 - Dormant & Monorail
 3 - Hopper

METERS

1,969 - Gas Pumps
 159 - Gas Utility Submeters
 77 - Electric Utility Submeters
 62 - Water Utility Submeters
 53 - Taxi
 29- Stationary Propane
 28 - Petroleum Trucks
 24 - Wholesale Gas & Diesel
 24 - Water Vending Machines
 23 - Carpet, Fabric, Rope, Wire
 19- Liquid Propane Trucks
 2- Compressed Natural Gas

QUANTITY CONTROL

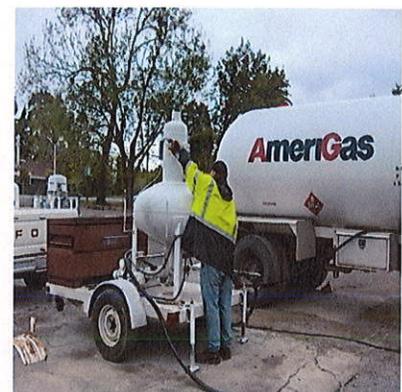
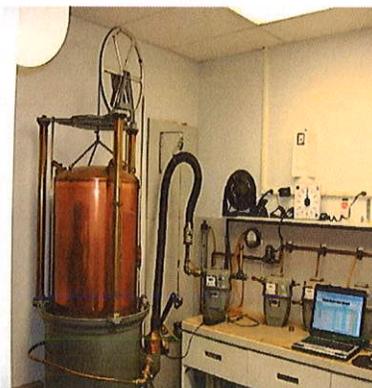
2,000 - Package Audits
 160 - Price Verifications
 57 - Packages Off Sale
 35 - Bulk Commodity Insp.
 12 - Package Insp. Reports
 11 - Labeling Inspections

PETROLEUM

78 - Inspections
 12 - Gas & Diesel Samples

WEIGHMASTER

40- Truck Tares
 20 - Certificate Audits





Department of Agriculture
316 Nelson Avenue
Oroville, California 95965