

BUTTE COUNTY
AGRICULTURAL
CROP REPORT
2012



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"

The Butte County seat is Oroville, California

2012 population estimate of Butte County was approximately 221,539

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

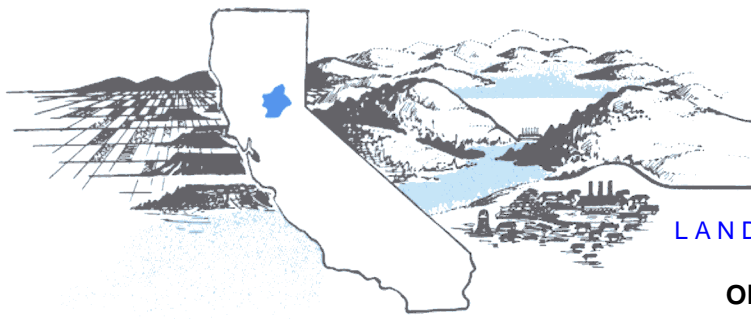
Bidwell Park includes 3,600 acres of parkland

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



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

MARY E. DANIELS
Assistant Agricultural Commissioner
Weights and Measures

July 15, 2013

Karen Ross
Secretary of California Department of Food and Agriculture

The Honorable Butte County Board of Supervisors
Bill Connelly, Chair Larry Wahl
Maureen Kirk Doug Teeter
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 seventy-third annual crop report that shows the agricultural production and agricultural value in Butte County for the 2012 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 2012 totaled \$721,434,000. This is a 77.3 million dollar increase over the 2011 gross value total of \$644,112,000. The total increase in gross value of agriculture during 2012 is 45.0 percent above our county 10-year average of \$497,000,000.

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

Agricultural and Weights & Measures Staff and Associates

Agricultural Commissioner/Director of Weights & Measures

Richard B. Price

Assistant Agricultural Commissioner/Weights & Measures

Mary E. Daniels

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Helmut Bloo, Mike Stewart

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Senior Agricultural Biologist/Weights & Measures Inspectors

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Dan Shrout, Paul Weliver

Agricultural Technicians

Tyson Adler, Hailey Daniels, Steve Graham, John Hutchings, Gary Imhoff,
James Mathys, Garrett Moss & Janessa Walters

GIS Technician

Sally Loker

USDA Wildlife Specialist

Matt Albertson



Helmut Bloo

Thank you for your years of service to the Agricultural Community. Your expertise and wisdom will be long remembered. Good luck and enjoy your retirement!

2012 MILLION DOLLAR CROPS

	<u>CROP</u>	<u>VALUE</u>
1	WALNUTS	\$234,540,000
2	ALMONDS	\$160,931,000
3	RICE	\$154,574,000
4	DRIED PLUMS	\$32,525,000
5	NURSERY STOCK	\$21,558,000
6	RICE SEED	\$11,192,000
7	CATTLE & CALVES	\$10,491,000
8	FRUIT & NUTS (Misc.)	\$10,321,000
9	PEACHES – CLINGSTONE	\$9,896,000
10	TIMBER	\$9,573,000
11	FIELD CROP misc.	\$6,560,000
12	APIARY/POLLINATION	\$6,528,000
13	KIWIS	\$5,548,000
14	WHEAT	\$5,469,000
15	SEED (Misc)	\$5,304,000
16	ALMOND HULLS	\$4,606,000
17	DRYLAND PASTURE & RANGE	\$4,555,000
18	OLIVE OIL	\$4,949,000
19	PISTACHIOS	\$3,274,000
20	OLIVES, TABLE	\$2,195,000
21	HAY, ALFALFA	\$1,430,000
22	PASTURE, IRRIGATED	\$1,404,000



FIVE YEAR SUMMARY OF CROP VALUES

	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
APIARY PRODUCTS	\$7,197,000	\$7,153,942	\$7,078,000	\$5,813,000	\$7,340,000
FIELD CROPS	\$266,206,000	\$201,062,334	\$198,690,000	\$160,306,000	\$175,063,000
FRUIT & NUT CROPS	\$232,981,000	\$280,076,771	\$371,097,000	\$416,935,000	\$469,591,000
LIVESTOCK	\$11,218,000	\$8,904,077	\$11,714,000	\$10,366,000	\$11,421,000
NURSERY STOCK	\$30,748,000	\$26,750,760	\$23,837,000	\$21,728,000	\$21,558,000
SEED CROPS	\$14,853,000	\$14,861,023	\$13,566,000	\$18,648,000	\$16,496,000
VEGETABLE CROPS	\$720,000	\$770,400	\$795,000	\$851,000	\$872,000
ORGANIC CROPS					\$9,515,000
SUB TOTAL	\$563,923,000	\$539,579,307	\$626,777,000	\$635,647,000	\$702,341,000
TIMBER	\$16,005,000	\$4,433,950	\$4,747,000	\$9,465,000	\$9,578,000
GRAND TOTAL	\$579,928,000	\$544,013,257	\$631,524,000	\$644,112,000	\$721,434,000

FIVE YEAR SUMMARY OF PLANT CROP ACRES

	<u>2008</u>	<u>2009</u>	<u>2012</u>	<u>2011</u>	<u>2012</u>
FIELD CROPS	375,030	371,082	367,419	370,401	373,484
FRUIT & NUT CROPS	86,672	90,842	97,709	93,083	95,043
SEED CROPS	5,702	5,482	5,785	6,949	6,468
VEGETABLE CROPS	690	740	755	792	789
GRAND TOTAL	468,094	468,146	466,989	471,225	475,784



2012 FRUIT & NUT CROPS ACREAGE STATISTICS

Orchard Crops	Bearing Acreage*	Non-Bearing Acreage*	Acreage*
ALMONDS	39,756	2,409	42,165
APPLES	58	0	58
APRICOTS	34	3	37
AVOCADOS	3	0	3
CHERRIES	376	9	385
CHESTNUTS	22	5	27
GRAPES	245	19	264
KIWIS	676	0	676
MANDARINS	61	26	87
NECTARINES	10	0	10
OLIVES (OIL)	2,055	200	2,255
OLIVE (TABLE)	690	0	690
ORANGES	114	0	114
PEACHES, CLINGSTONE	2,091	58	2,149
PEACHES, FREESTONE	57	0	57
PEARS	9	0	9
PECANS	246	123	369
PERSIMMONS	89	0	89
PISTACHIOS	487	210	697
PLUMS	154	10	164
DRIED PLUMS	9,820	510	10,330
WALNUTS, ENGLISH	37,970	5,128	43,078
WALNUTS, BLACK	30	0	30
Total	95,053	8,710	103,743

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



2012 FRUIT & NUT CROPS ACREAGE, PRODUCTION AND VALUE

CROP	YEAR	PRODUCTION	VALUE	TOTAL	UNIT	CROP	TOTAL VALUE
		HARVESTED	PER				
		ACREAGE	ACRE				
ALMONDS	2012	39,756	.88	34,985	Ton	\$4,600	\$160,931,000
	2011	38,051	0.90	34,200	Ton	\$3,740	\$129,080,000
HULLS	2012	--	--	44,718	Ton	\$103	\$4,606,000
	2011	--	--	42,800	Ton	\$110	\$4,708,000
CITRUS	2012	175	4.85	848	Ton	\$950	\$806,000
	2011	117	4.70	550	Ton	\$950	\$522,000
KIWIS	2012	676	8.29	5,604	Ton	\$990	\$5,548,000
	2011	676	8.36	5,600	Ton	\$980	\$5,488,000
OLIVES (Oil)	2012	2,055	4.3	8,837	Ton	\$560	\$4,949,000
	2011	2,055	2.2	4,500	Ton	\$550	\$2,475,000
OLIVES (Table)	2012	690	3.26	2,249	Ton	\$976	\$2,195,000
	2011	690	.55	380	Ton	\$1,010	\$384,000
PEACHES	2012	2,091	15.62	32,661	Ton	\$303	\$9,896,000
	2011	2,161	14.80	31,900	Ton	\$250	\$7,975,000
PISTACHIOS	2012	487	1.55	755	Ton	\$4,336	\$3,274,000
	2011	487	1.1	530	Ton	\$4,400	\$2,332,000
PLUMS (Dried)	2012	9,820	2.43	23,863	Ton	\$1,363	\$32,525,000
	2011	9,790	2.48	24,300	Ton	\$1,370	\$33,291,000
WALNUTS	2012	37,970	2.13	80,876	Ton	\$2,900	\$234,540,000
	2011	37,770	2.07	78,100	Ton	\$2,800	\$218,680,000
**MISC.	2012	1,323	--	--	Ton	--	\$10,321,000
	2011	1,409	--	--	Ton	--	\$11,169,000
TOTAL	2012	95,043	--	--	Ton	--	\$469,591,000
	2011	93,206	--	--	Ton	--	\$416,104,000

*** 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.*

2012 FIELD CROP ACREAGE, PRODUCTION AND VALUE

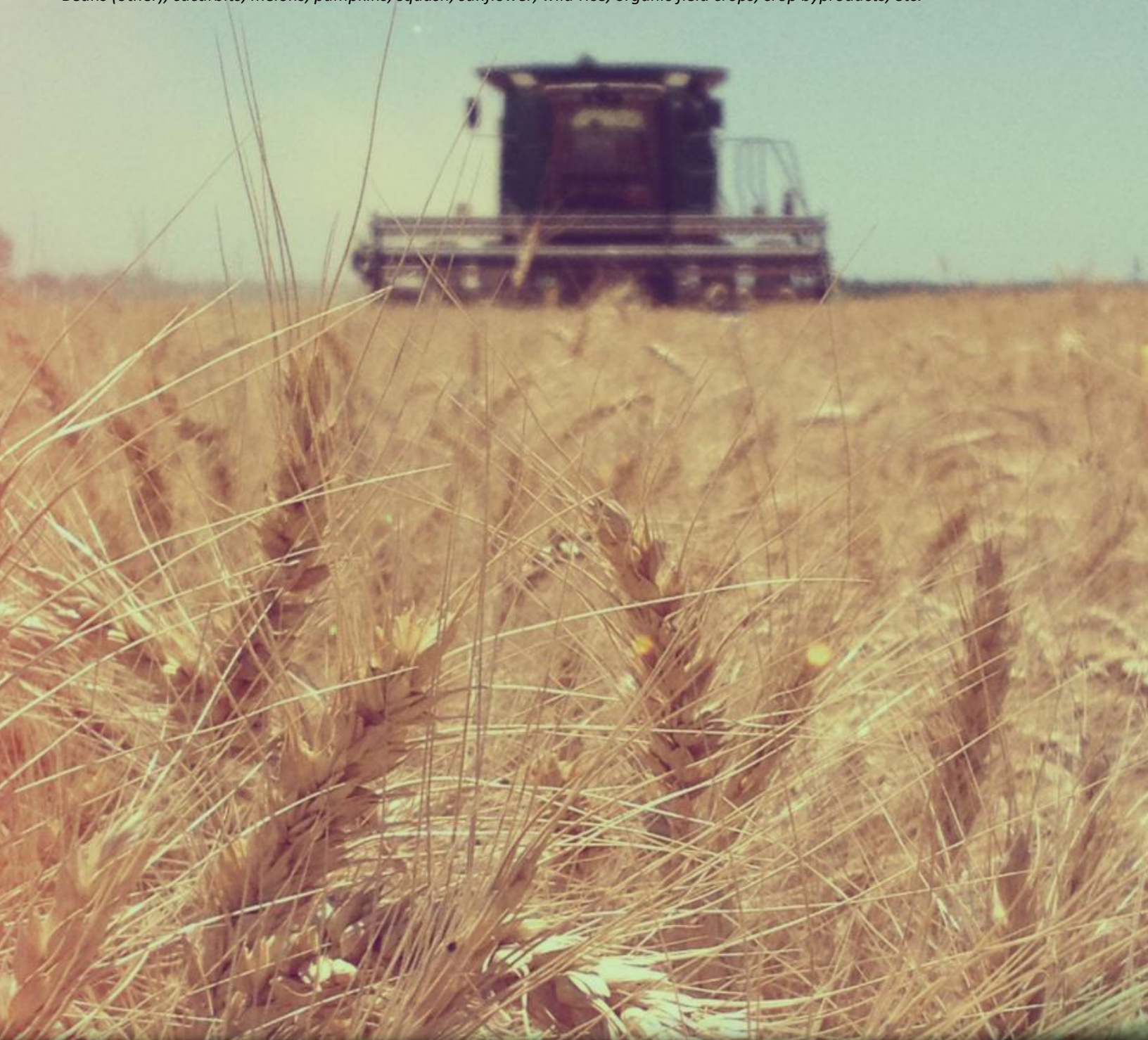
<u>CROP</u>	<u>YEAR</u>	<u>PRODUCTION HARVESTED ACREAGE</u>	<u>PER ACRE</u>	<u>TOTAL</u>	<u>UNIT</u>	<u>CROP</u>	<u>TOTAL VALUE</u>
BEANS, DRY EDIBLE	2012	794	.98	778	Ton	\$958	\$918,000
	2011	619	1.24	768	Ton	\$969	\$744,000
HAY, ALFALFA	2012	1080	6.16	6652	Ton	\$215	\$1,430,000
	2011	987	6.20	6,119	Ton	\$229	\$1,401,000
PASTURE, IRRIGATED	2012	17,000	--	--	Acre	\$120	\$1,404,000
	2011	16,500	--	--	Acre	\$117	\$1,930,000
PASTURE, OTHER	2012	245,000	--	--	Acre	\$19.00	\$4,555,000
	2011	245,000	--	--	Acre	\$19.30	\$4,655,000
RICE*	2012	94,451	4.36	412,198	Ton	\$375	\$154,574,000
	2011	95,043	4.23	402,032	Ton	\$352	\$141,515,000
SAFFLOWER	2012	288	.89	256	Ton	\$495	\$126,000
	2011	348	.86	299	Ton	\$481	\$144,000
WHEAT	2012	8,973	2.65	23,778	Ton	\$230	\$5,469,000
	2011	5,751	2.41	13,860	Ton	\$205	\$2,841,000
MISC**	2012	5,902	--	--	--	--	\$6,560,000
	2011	6,153	--	--	--	--	\$7,076,000
TOTAL	2012	373,484					\$175,063,000
	2011	370,401					\$160,306,000



2012 SEED ACREAGE, PRODUCTION & VALUE

CROP	YEAR	PRODUCTION	VALUE	TOTAL	UNIT	CROP	TOTAL
		HARVESTED	PER				VALUE
		ACREAGE	ACRE				
RICE	2012	4,241	9,100	38,593,000	Lbs.	\$0.29	\$11,192,000
	2011	5,560	8,900	49,484,000	Lbs.	\$0.31	\$15,340,000
MISC.	2012	2,227			Ton		\$5,304,000
	2011	1,389					\$3,308,000
TOTAL	2012	6,468			Ton		\$16,496,000
	2011	6,949					\$18,648,000

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

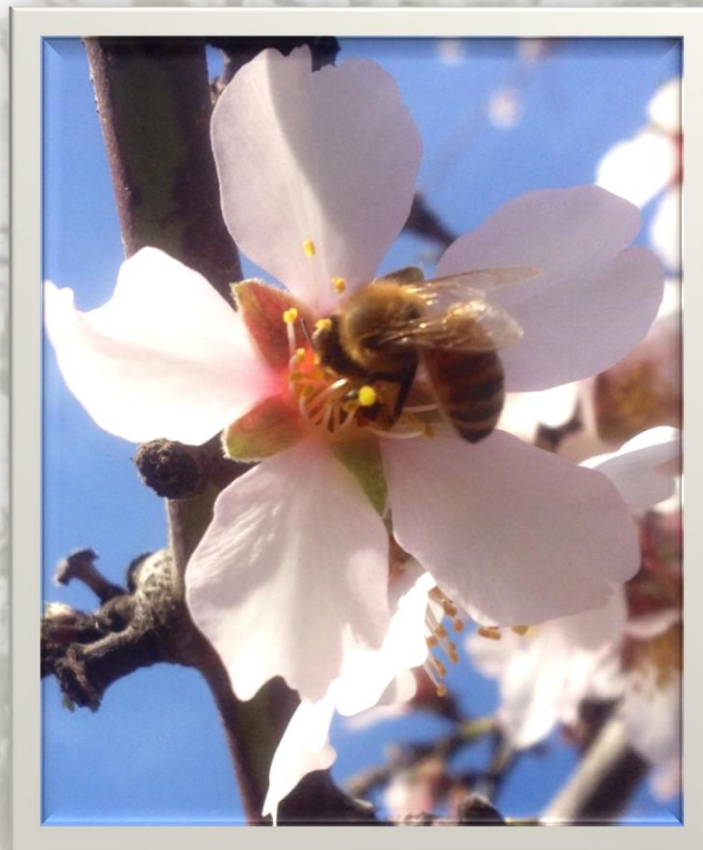


2012 APIARY PRODUCTS, PRODUCTION & VALUE

CROP	YEAR	PRODUCTION		VALUE	
		TOTAL	UNIT	PER UNIT	TOTAL
POLLINATION*	2012	45,650	Colony	\$143.00	\$6,528,000
	2011	42,120	Colony	\$138.00	\$5,813,000
OTHER APIARY PRODUCTS**	2012	--	--	--	\$812,000
	2011	--	--	--	\$770,000
TOTAL	2012				\$7,340,000
	2011				\$6,583,000

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

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



2012 ORGANIC CROP STATISTICS



Registered Organic Producers*

91 Farms

18,882 Acres

\$9,515,000 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.*

2012 VEGETABLE VALUE

Certified Producers*

\$851,000 - 2011 Total Value

\$872,000 - 2012 Total Value

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

2012 NURSERY ACREAGE & VALUE

224 - 2011 Total Acres

238 - 2012 Total Acres

\$21,728,000 - 2011 Total Value

\$21,558,000 - 2012 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.*



2012 LIVESTOCK & POULTRY

ITEM	YEAR	NO. OF HEAD	TOTAL LIVE WT.	UNIT	VALUE PER UNIT	TOTAL VALUE
CATTLE & CALVES	2012	15,400	77,000	Cwt.	\$124.00	\$9,548,000
	2011	15,500	77,500	Cwt.	\$115.00	\$8,913,000
SHEEP	2012	1,800	2,700	Cwt.	\$100.00	\$270,000
	2011	1,700	2,550	Cwt.	\$72.00	\$184,000
MISC.	2012	--	--	Cwt.	--	\$673,000
	2011	--	--	Cwt.	--	\$485,000
TOTAL	2012	--	--	Cwt.	--	\$10,491,000
	2011	--	--	Cwt.	--	\$10,366,000

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



2012 LIVESTOCK PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	VALUE PER	
				UNIT	TOTAL
MILK, MARKET*	2012	50,598	Cwt.	\$17.00	\$872,000
	2011	52,894	Cwt.	\$20.12	\$1,064,000
MILK MANUFACTURING*	2012	3,172	Cwt.	\$18.00	\$58,000
	2011	2,682	Cwt.	\$19.02	\$51,000
TOTAL	2012		Cwt.		\$930,000
	2011		Cwt.		\$1,115,000

*California Agricultural Statistics Service

2012 HARVEST TIMBER PRODUCTION & VALUE

ITEM	YEAR	PRODUCTION BOARD FEET*	VALUE
HARVESTED TIMBER**	2012	45,198,000	\$9,573,000
	2011	42,617,000	\$9,459,000
OTHER TIMBER PRODUCTS	2012		\$5,000
	2011		\$6,000
TOTAL	2012		\$9,578,000
	2011		\$9,465,000

*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.



2012 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 6,770 shipments were inspected for live exotic pests including the Glassy-winged Sharpshooter and Sudden Oak Death resulting in 22 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
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
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 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 Statement

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 that 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 2012 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 2012, the opposite occurred and we received almost twice as many requests from businesses asking for inspection services.

Weights & Measures Inspections Performed in 2012

SCALES	METERS	QUANTITIY CONTROL
224 - Point of Sale	1,889 – Gas Pumps	2,500 – Package Audits
209 - Computing Scales	138 – Electric Utility Sub meters	200 – Price Verifications
102 – Truck Scales	115 – Gas Utility Submeters	25 – Packages Off Saled
58 – Dormant Platform Scales	180 – Water Utility Submeters	10 – Package Insp. Reports
50 – Farmer’s Market Scales	21- Stationary Propane Meters	8 – Bulk Commodity Insp.
47 – Recycling Platform	20 – Wholesale Gas & Diesel	7 – Labeling Inspections
35 – Counter Scales	4 – Water Vending Machines	<u>PETROLEUM</u>
29 – Shipping Scales	23 – Carpet, Fabric, Rope, Wire	78 – Initial Inspections
7 – Landscape	14 – Petroleum Trucks	13 – Gas & Diesel Samples
12 - Animal/Livestock Scales	16 – Liquid Propane Trucks	<u>WEIGHMASTER</u>
15 – Gold Jewelry & Pharmacy	0 – Compressed Natural Gas	26 – Truck Tares
1 – Batch Hopper	2 – Ice Vending Machines	20 – Certificate Audits
2 – Monorail	0 – Timing Devices, Car Wash	7 – Follow-ups

