



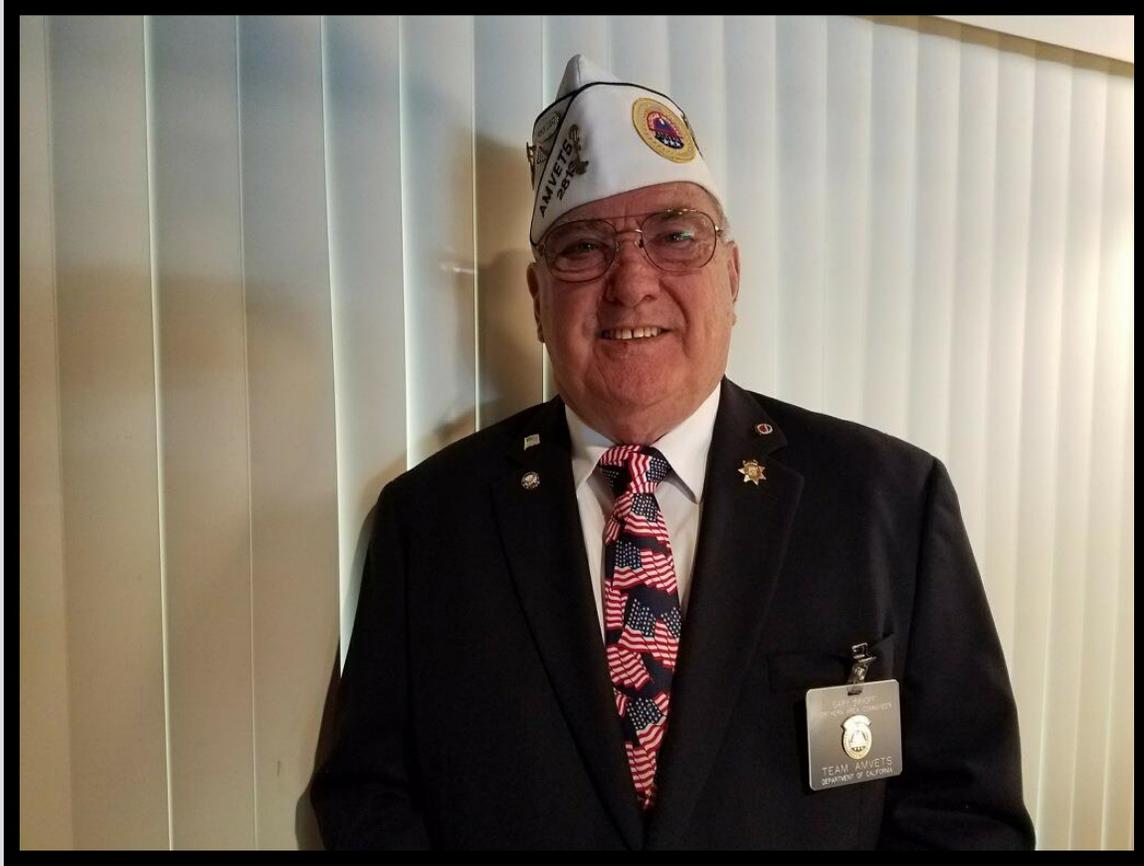
Butte County
2016 Crop Report



Butte County Agricultural Commissioner's 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 wellbeing 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.

*Louie B. Mendoza Jr.
Agricultural Commissioner / Director of Weights & Measures*



A Special Thanks!

The Butte County Agriculture/Weights & Measures Department would like to take this opportunity to acknowledge Gary Imhoff. Gary served the department for ten years as a Pest Detection Trapping Specialist and retired in 2016. Gary deployed, monitored and serviced thousands of insect traps in rural and urban areas throughout the county and performed the job with efficiency and reliability. The traps he placed were for the detection of exotic insect pests of economic importance to the State and County. Insect pests included Mediterranean, Oriental and Melon Fruit Flies, Gypsy Moth, Japanese Beetle, Asian Citrus Psyllid, Glassy-Winged Sharpshooter and the European Grapevine Moth. In 2013, he trapped two Gypsy Moths and assisted with the delimitation program, and fortunately, the initial two were the only two found.

Before coming to work for Butte County, Gary served in the United States Army from 1960 to 1963 and was stationed in Orleans, France. He also worked for Colgate-Palmolive Company for 27 years in military sales. Gary is currently a member of American Veterans, Color and Honor Guard, Butte County Sheriff's Mounted Posse and the Butte Rose Society. He participates in Memorial and Veterans Day functions and is active in the Elks Lodge in Chico. In his spare time he enjoys working in his rose garden and helping other rose enthusiasts with theirs.

We wish you the very best, and enjoy your retirement, Gary!

Agricultural and Weights & Measures Staff and Associates

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Louie B. Mendoza Jr.
Agricultural Commissioner / Sealer

Tom Pisani
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September 12, 2017

Karen Ross
Secretary of the 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 77th annual crop report that shows the agricultural production and agricultural value in Butte County for the 2016 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 2016 totaled **\$705,211,786**. This is a \$67,428,098 decrease over the 2015 gross value total of \$772,639,884. The total increase in gross value of agriculture during 2016 is 4% above our county 10-year average of \$680,461,549.

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,

Louie B. Mendoza Jr.

Louie B. Mendoza Jr.
Agricultural Commissioner
Director of Weights & Measures

MILLION DOLLAR CROPS

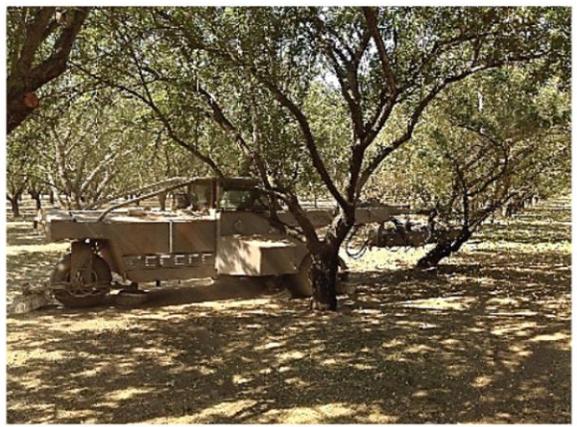
1	Walnuts	\$234,635,700
2	Almonds	\$187,902,400
3	Rice	\$122,845,800
4	Prunes	\$31,001,978
5	Cattle & Calves	\$13,462,848
6	Rice (Seed)	\$12,481,461
7	Nursery Stock	\$11,664,000
8	Peaches	\$9,846,875
9	Harvested Timber	\$8,518,497
10	Apiary (Pollination)	\$8,188,410
11	Fruit & Nut (Misc.)	\$5,418,360
12	Field Crop (Misc.)	\$5,294,400
13	Kiwifruit	\$3,826,785
14	Almond (Hulls)	\$3,600,000
15	Olive (Oil)	\$3,151,264
16	Pistachios	\$2,926,890
17	Seed Misc.	\$2,196,373
18	Pasture, Irrigated	\$2,101,950
19	Pasture, Dry	\$2,000,000
20	Beans, Dry/Edible	\$1,734,268
21	Vegetables	\$1,524,973
22	Alfalfa	\$1,458,913
23	Citrus	\$1,448,450
24	Olive (Table)	\$1,412,384

FIVE YEAR SUMMARY OF CROP VALUES

CROP	2012	2013	2014	2015	2016
APIARY PRODUCTS	\$7,340,000	\$7,977,000	\$10,865,340	\$10,586,121	\$9,106,410
FIELD CROPS	\$175,063,000	\$220,799,346	\$168,290,698	\$151,013,590	\$136,303,891
FRUIT & NUT CROPS	\$469,591,000	\$557,225,178	\$556,649,028	\$532,53,396	\$485,171,086
LIVESTOCK	\$11,421,000	\$12,099,000	\$12,520,000	\$12,781,800	\$14,478,648
NURSERY STOCK	\$21,558,000	\$29,458,000	\$17,819,000	\$14,111,000	\$11,664,000
SEED CROPS	\$16,496,000	\$18,510,000	\$18,683,294	\$14,091,107	\$14,677,834
VEGETABLE CROPS	\$872,000	\$1,785,000	\$1,503,000	\$1,743,626	\$1,524,973
ORGANIC CROPS	\$9,515,000	\$13,448,637	\$15,935,500	\$21,930,572	\$23,759,940
CROP TOTALS	\$711,856,000	\$861,302,161	\$802,265,860	\$758,911,212	\$696,686,782
TIMBER	\$9,578,000	\$8,292,000	\$8,639,538	\$13,728,672	\$8,525,004
GRAND TOTAL	\$721,434,000	\$869,594,161	\$810,905,398	\$772,639,884	\$705,211,786

FIVE YEAR SUMMARY OF PLANT CROP ACRES

CROP	2012	2013	2014	2015	2016
FIELD CROPS	373,484	367,783	337,989	311,061	321,932
FRUIT & NUT CROPS	95,043	96,928	97,237	101,486	101,446
SEED CROPS	6,468	6,923	6,590	6,647	6,176
VEGETABLE CROPS	789	844	708	817	674
GRAND TOTAL	475,784	472,478	442,524	420,011	430,228



2016 FRUIT & NUT CROPS ACREAGE STATISTICS

ORCHARD CROPS	BEARING	NON-BEARING	TOTAL
ALMONDS	38,775	1,372	40,147
APPLES	47	0	47
APRICOTS	29	0	29
AVOCADOS	3	0	3
CHERRIES	250	0	250
CHESTNUTS	46	0	46
GRAPES (Table & Raisin)	10	0	10
GRAPES (Wine)	162	1	163
KIWIFRUIT	693	0	693
MANDARINS	99	0	99
NECTARINES	5	0	5
OLIVES (Oil)	1,499	0	1,499
OLIVES (Table)	505	0	505
ORANGES	123	0	123
PEACHES, CLINGSTONE	1,384	0	1,384
PEACHES, FREESTONE	40	0	40
PEARS	11	0	11
PECANS	326	0	326
PERSIMMONS	52	12	64
PISTACHIOS	765	0	765
PLUMS	108	0	108
PRUNES	6,571	148	6,719
WALNUTS, ENGLISH	49,293	4,460	53,753
WALNUTS, BLACK	27	1	28
TOTAL	100,817	5,994	106,817



2016 FRUIT & NUT CROPS ACREAGE, PRODUCTION AND VALUE

Crop	Year	Bearing (ac)	Yield (tons)	Yield (tons) / Bearing (ac)	Value (\$) / 1 (ton)	Total (\$)
ALMONDS	2016	39,475	33,554	0.85	\$5,600	\$187,902,400
	2015	39,626	33,682	0.85	\$6,000	\$202,092,000
HULLS	2016	--	40,000	--	\$90	\$3,600,000
	2015	--	40,000	--	\$120	\$4,800,000
CITRUS	2016	223	491	2.20	\$2,950	\$1,448,450
	2015	223	647	2.90	\$2,096	\$1,356,112
KIWIFRUIT	2016	693	5,933	8.50	\$645	\$3,826,785
	2015	698	6,282	9.00	\$725	\$4,554,450
OLIVES (OIL)	2016	1,499	5,396	3.60	\$584	\$3,151,264
	2015	1,917	8,345	4.35	\$697	\$5,816,465
OLIVES (TABLE)	2016	505	1,616	3.20	\$874	\$1,412,384
	2015	690	2,691	3.90	\$998	\$2,685,618
PEACHES	2016	1,384	17,125	15.50	\$575	\$9,846,875
	2015	1,549	26,333	17.00	\$566	\$14,904,478
PISTACHIOS	2016	765	765	0.90	\$3,826	\$2,926,890
	2015	765	765	1.00	\$5,777	\$4,419,405
PRUNES	2016	6,571	13,142	1.20	\$2,359	\$31,001,978
	2015	6,807	19,740	2.90	\$2,188	\$43,191,120
WALNUTS	2016	49,293	138,021	2.60	\$1,700	\$234,635,700
	2015	48,180	120,450	2.50	\$2,000	\$240,900,000
MISC. *	2016	1,038	--	--	--	\$5,418,360
	2015	1,030	--	--	--	\$7,933,748
TOTAL	2016	101,446	--	--	--	\$485,171,086
	2015	101,486	--	--	--	\$532,433,396



2016 FIELD CROP ACREAGE, PRODUCTION AND VALUE

Crop	Year	Bearing (ac)	Yield (tons)	Yield (tons) / Bearing (ac)	Value (\$) / 1 (ton)	Total
BEANS, DRY EDIBLE	2016	849	1,658	0.86	\$1,046	\$1,734,268
	2015	1,235	1,482	1.20	\$1,270	\$1,882,140
ALFALFA	2016	1,349	10,649	7.90	\$137	\$1,458,913
	2015	1,597	9,103	5.70	\$182	\$1,656,746
PASTURE, IRRIGATED	2016	14,013	--	--	\$150	\$2,101,950
	2015	14,013	--	--	\$150	\$2,101,950
PASTURE, OTHER	2016	200,000	--	--	\$10	\$2,000,000
	2015	200,000	--	--	\$10	\$2,000,000
RICE	2016	95,045	446,712	4.70	\$275	\$122,845,800
	2015	87,700	409,121	4.67	\$339	\$138,692,019
SAFFLOWER	2016	219	399	1.83	\$440	\$175,560
	2015	337	404	1.20	\$505	\$204,020
WHEAT	2016	3,839	4,950	1.30	\$140	\$693,000
	2015	1,360	2,584	1.90	\$191	\$493,544
MISC. *	2016	6,618	--	--	--	\$5,294,400
	2015	4,819	--	--	--	\$3,983,171
TOTAL	2016	321,932	--	--	--	\$136,303,891
	2015	311,061	--	--	--	\$151,013,590

2016 APIARY PRODUCTS, PRODUCTION & VALUE

	YEAR	PRODUCTION (COLONIES)	VALUE PER COLONY	TOTAL
POLLINATION	2016	46,388	\$176.52	\$8,188,410
	2015	57,332	\$168.92	\$9,684,521
OTHER APIARY PRODUCTS	2016	--	--	\$918,000
	2015	--	--	\$901,600
TOTAL	2016			\$9,106,410
	2015			\$10,586,121



2016 Registered Organic Statistics

12,158 Acres • 86 Producers • 8 Handlers • 1 Processor • 1 Retailer

\$23,759,940 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.

2016 VEGETABLE VALUE

2016 Total Value - \$1,524,973

2015 Total Value - \$1,743,626

**Vegetable Values reflect Certified Producer commodities such as asparagus, broccoli, corn, cucumbers, melons, onions, squash, tomatoes, strawberries, etc.*

2016 NURSERY ACREAGE & VALUE

2016 Total Acres - 137 ---\$11,664,000

2015 Total Acres - 137 --- \$14,111,000

**Nursery data 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.*

2016 HARVEST TIMBER PRODUCTION & VALUE

	YEAR	PRODUCTION (BFT)	VALUE
HARVESTED TIMBER	2016	43,811,000	\$8,518,497
	2015	60,559,000	\$13,717,316
OTHER TIMBER PRODUCTS	2016	--	\$6,507
	2015	--	\$11,356
TOTAL	2016	--	\$8,525,004
	2015	--	\$13,728,672

**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.*

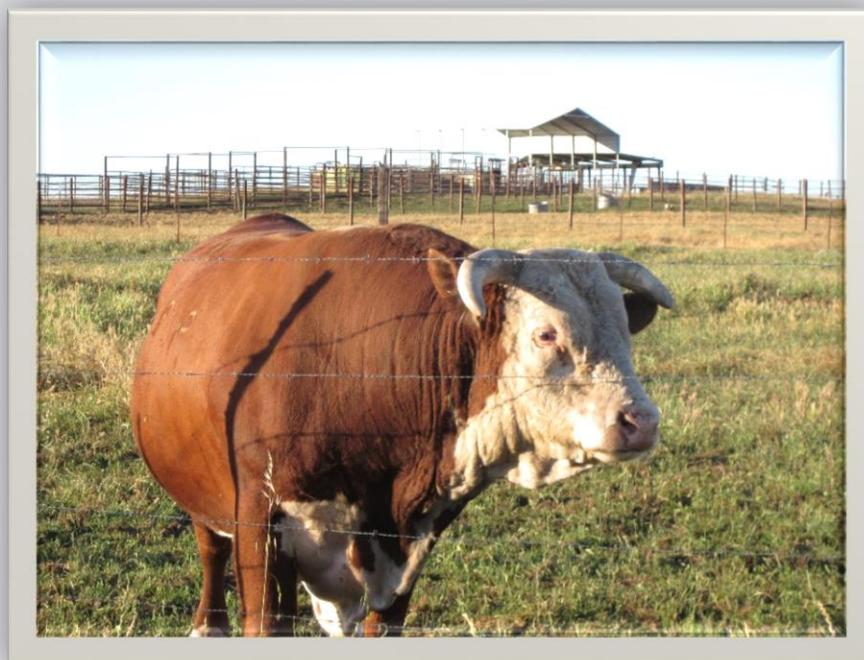


2016 LIVESTOCK & POULTRY

	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT (CWT)	VALUE/CWT	TOTAL
CATTLE & CALVES	2016	12,600	63,504	\$212.00	\$13,462,848
	2015	12,500	63,000	\$185.00	\$11,655,000
SHEEP	2016	1,800	2,400	\$142.00	\$340,800
	2015	1,800	2,400	\$157.00	\$376,800
MISC.	2016	--	--	--	\$675,000
	2015	--	--	--	\$750,000
TOTAL	2016	--	--	--	\$14,478,648
	2015	--	--	--	\$12,781,800

2016 LIVESTOCK PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	\$ PER UNIT	TOTAL
MILK, MARKET	2016	42,988	Cwt	\$16.65	\$715,750
	2015	52,636	Cwt	\$16.83	\$885,864
MILK, MANUFACTURING	2016	--	Cwt	--	\$9,500
	2015	--	Cwt	--	\$11,700
TOTAL	2016	--	Cwt	--	\$725,250
	2015	--	Cwt	--	\$897,564



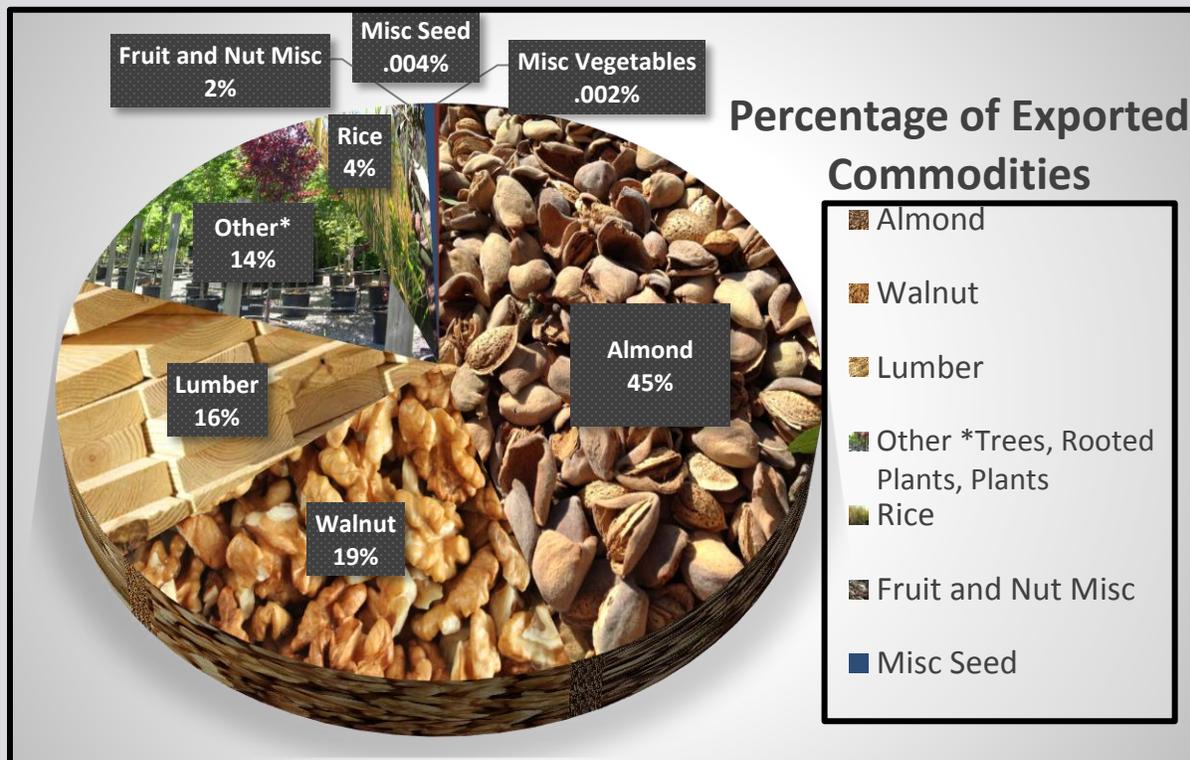
2016 SEED ACREAGE, PRODUCTION & VALUE

CROP	YEAR	ACREAGE	YIELD / ACRE	TOTAL	UNIT	VALUE	TOTAL
RICE	2016	4,639	9,965	46,227,635	lbs.	\$0.27	\$12,481,461
	2015	4,639	8,044	37,316,116	lbs.	\$0.31	\$11,567,996
MISC.	2016	1,537	--	--	--	--	\$2,196,373
	2015	2,008	--	--	--	--	\$2,538,037
TOTAL	2016	6,176	--	--	--	--	\$14,677,834
	2015	6,647	--	--	--	--	\$14,106,033

*Miscellaneous includes onion, carrot, sunflower, pumpkin, watermelon, squash, cucumber, bean, alfalfa and melon seed.

2016 PHYTOSANITARY EXPORTS

In 2016, a total of 2,859 phytosanitary certificates were issued and exported to 73 countries and 8 states within the United States. Shipments included a variety of fruits, vegetables, grains, beans, lumber and plants. In addition, approximately 804 seed field acres were inspected and certified during the 2016 season.



2016 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 Exclusion, Detection, Management, and Eradication programs serve to protect the County from an 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

A total of 991 traps were placed throughout the County to detect the presence of pests. The trap total included 300 Mediterranean, Oriental and Melon Fruit Fly traps, 77 Japanese Beetles traps, 214 traps for the Gypsy Moth, 243 Glassy-winged Sharpshooter traps, and 157 Asian Citrus Psyllid traps.

PEST EXCLUSION

Approximately 4,383 shipments were inspected for live exotic pests including the Glassy-winged Sharpshooter and Sudden Oak Death resulting in the issuance of 37 Notice of Rejections.

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	Paradise 1 site in Thermalito 1 site Chico
Sesbania	<i>Sebania punicea</i>	Herbicide	Triclopyr	Multiple locations in Oroville
Broom, species – In 2016 a total of 92 linear miles were treated with herbicide in Butte County				
Spanish	<i>Spartium junceum</i>	Herbicide	Triclopyr	Multiple County Locations
French	<i>Genista monspessulana</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 elaeagnifolium</i>	Herbicide	Triclopyr	1 site South Gridley Hwy 99
Winged Water Primrose	<i>Ludwigia decurrens</i>	Herbicide	Glyphosate	Limited locations in Richvale

Insect Control Projects

		Control Activity	Chemical	Distribution
Glassy-winged Sharpshooter	<i>Homalodisca vitripennis</i>	Insecticide	Imidacloprid	Chico, Eradicated

Butte County Weights and Measures and its Significance

Agriculture, commerce, manufacturing and trade, play an important role in Butte County. Business transactions between buyers and sellers are what fuels our economic engine. These transactions must be equitable in order for both parties to share approval and the source of fair and honest trade comes from the use of accurate weights and measures. Since 1915 weights and measures has played an important part in the economic vitality of the County by the diligent efforts of our hard working officials who examine the means and process by which monetary transactions occur to ensure equity in the marketplace. So, the next time you're at the grocery store purchasing bread, butter and milk you can rest assured you're receiving the quantity you paid for because of the efforts of Weights and Measures Officials.

Weights & Measures Inspections Performed in 2016

Scales

367	Computing
88	Counter
96	Dormant & Platform
2	Forklift
6	Hopper & Tank
75	Hanging
11	Livestock & Animal
1	Monorail & Meat
11	Prescription & Jeweler
92	Vehicle Truck

Weighmaster

7	Scrap Metal Businesses
---	---------------------------

Meters

18	Carpet/Fabric/Rope/Wire
2	Compressed Natural Gas
301	Electrical Utility
215	Gas Utility
16	Petroleum Trucks
2	Retail Meters
1,959	Retail Motor Fuel
12	Stationary Propane
55	Taxi
14	Truck Propane
208	Water Utility
12	Water Vending
43	Wholesale Gas

Quantity Control

4	Bulk Commodity
5	Labeling
10	Overcharges
1,680	Package Audits
33	Packages put Off Sale
350	Packages Scanned

Petroleum

10	Antifreeze/Diesel
78	Initial Inspections

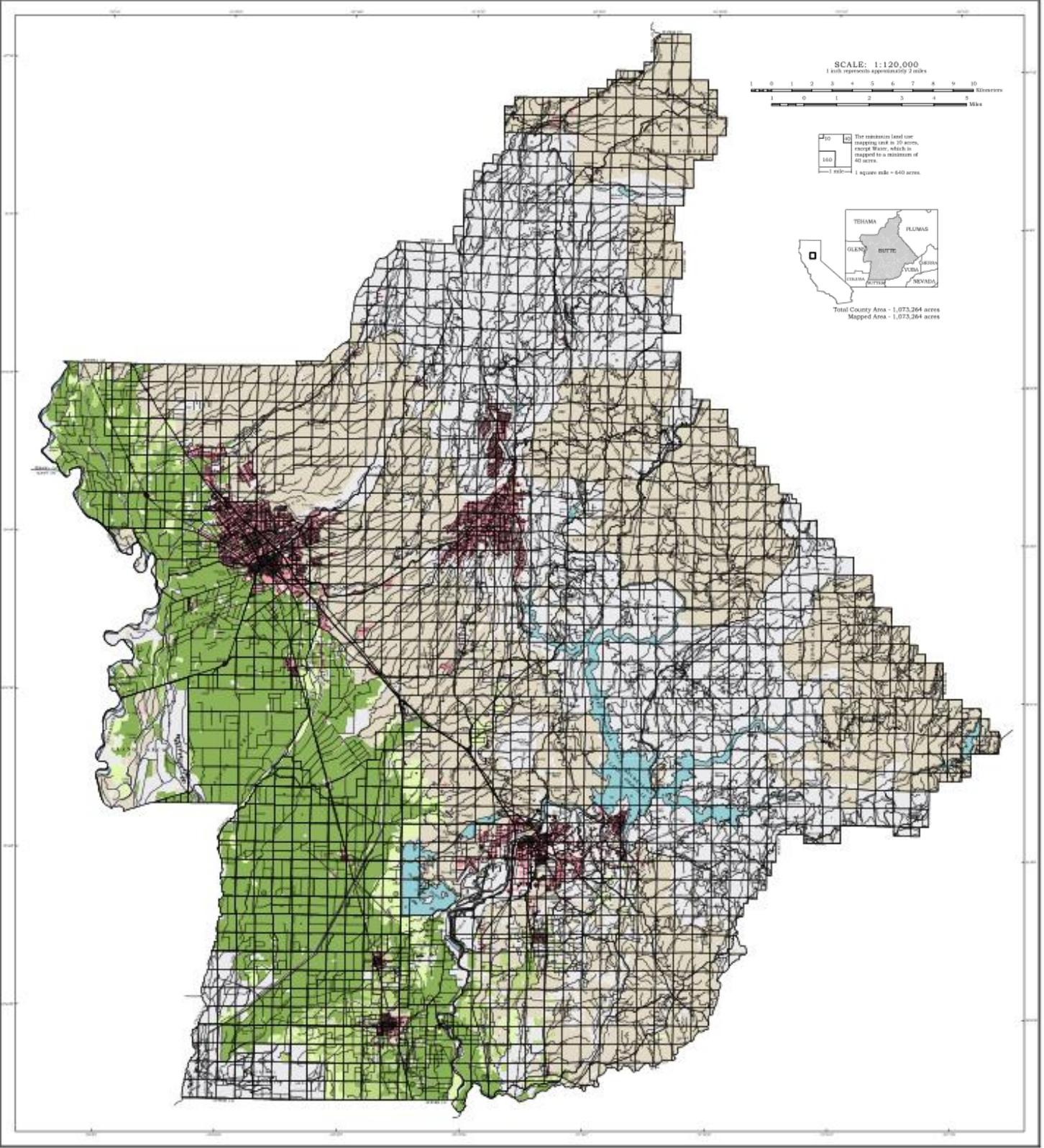


Left Photo:
Dan Shrout testing
gas utility submeters
using a five cubic
foot American
Standard Bell Prover.

Right Photo:
Uriah Johnson
testing an animal
scale for the
Butte County Fair.



BUTTE COUNTY IMPORTANT FARMLAND 2016



Legend

 Prime Farmland has the best combination of physical and chemical features able to sustain long-term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.

 Farmland of Statewide Importance is similar to prime farmland but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.

 Unique Farmland consists of lesser quality soils used for the production of the state's leading agricultural crops. This land is usually irrigated, but may include nonirrigated orchards or vineyards as found in some climatic zones in California. Land must have been cropped at some time during the four years prior to the mapping date.

 Grazing land is land on which the existing vegetation is suited to the grazing of livestock.

 Urban and Built-Up Land is occupied by structures with a building density of at least 1 unit to 1.5 acres or approximately 6 structures to a 10 acre parcel. Common examples include residential, industrial, commercial, institutional facilities, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, and water control structures.

 Other Land is land not included in any other mapping category. Common examples include low density rural developments, brush, timber, wetland, and riparian areas not suitable for livestock grazing, confined livestock, poultry, or aquaculture facilities, strip mines, borrow pits, and water bodies smaller than 40 acres. Vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as other land.

 Perennial Water Bodies with an extent of at least 40 acres.

BUTTE COUNTY
2004-2016 Land Use Summary
 Farmland Mapping and Monitoring Program
 CALIFORNIA DEPARTMENT OF CONSERVATION

LAND USE CATEGORY	ACREAGE BY CATEGORY							2004-2016 NET ACREAGE CHANGED	ANNUAL AVERAGE CHANGE
	2004*	2006**	2008	2010	2012	2014	2016***		
Prime Farmland	197,557	196,217	194,689	193,289	192,643	192,293	192,561	-4,996	-416
Farmland of Statewide Importance	22,323	21,602	22,794	21,872	21,699	21,575	21,598	-725	-60
Unique Farmland	24,957	24,236	23,078	22,189	22,044	22,430	23,279	-1,678	-140
Farmland of Local Importance	0	0	0	0	0	0	0	0	0
Important Farmland Subtotal	244,837	242,055	240,561	237,350	236,386	236,298	237,438	-7,399	-617
Grazing Land	406,401	407,680	401,859	402,999	403,741	401,751	400,165	-6,236	-520
Agricultural Land Subtotal	651,238	649,735	642,420	640,349	640,127	638,049	637,603	-13,635	-1,136
Urban and Built-Up Land	43,820	44,804	45,350	45,913	46,030	46,329	46,647	2,827	236
Other Land	355,572	355,895	362,624	364,131	364,219	366,013	365,964	10,392	866
Water Area	22,624	22,818	22,858	22,859	22,876	22,873	23,050	426	36
Total Area Inventoried	1,073,254	1,073,252	1,073,252	1,073,252	1,073,252	1,073,264	1,073,264	10	1

(1) Prior to the availability of digital soil data (SSURGO) in 2004, the county was mapped using Interim Farmland categories. See other worksheet.

(2) Water acreage changed in 2006 due to improved delineation along the Sacramento River and addition of Philbrook Reservoir.

(3) Water acreage changed in 2016 due to improved delineation along the Sacramento River.

PERCENTAGE OF COUNTY INVENTORIED: 100%

National Forest areas were added when soil survey data became available.