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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Mendocino County

2015-2017

Mendocino County 2015 Crop Report



The Coastal Redwood Forests

Unlike most other agricultural commodities, coast redwood is a uniquely California product. Extending from Curry County, Oregon to Monterey County, the redwood range is roughly 2 million acres. Though the age of the forest has been altered from pre-settlement times, the physical distribution of coast range has remained constant. The first lumberman started cutting redwoods in the 1840s. By the 1860s, “rivermen” began cutting the big trees along the streams and floating them to the ocean beaches downstream where the logs were milled and loaded onto schooners ship to San Francisco and ports as far away as New Zealand. Those “dog hole” coves along the Mendocino Coast got their names as they were considered too small for even a dog to fit. Nonetheless, schooner captains maneuvered their ships into place to unload supplies and then load timber for transportation. Coast redwood built San Francisco twice, once before, and once after, the 1906 earthquake. WWI saw a dramatic change in logging technology when surplus military equipment changed the industry from an animal and steam-based exercise to a diesel-based industry.

Following WWII, with the enactment of the GI Bill, California saw a tremendous building boom. By then the marine-based logging industry had transformed to an inland, over-land industry with small, family-owned mills spread throughout the county. Hundreds of mills were working throughout the redwood region transporting lumber via road and rail. During this time, forestry was focused primarily on extraction with little thought to reforestation or future production. In the early 1970s, with the enactment of the California Forest Practices Act, regulatory standards were put in place. Those standards and rules have evolved since that time, addressing replanting, stream protections, and fish and wildlife protections.

The other watershed event occurred in 1990, including the listing of the Northern Spotted Owl on the Federal Endangered Species list. The '90s were a time of great political upheaval with the listing of the owl, the Big Green and Forest Forever Initiatives, Redwood Summer and the Northwest Forest Plan under the Clinton Administration all demanding changes in forest practices. These changes ultimately led to mills dependent on US Forest Service timber being shut in Mendocino County (Potter Valley and Covelo). These political changes have resulted in timber volumes in Mendocino County decreasing from a high of 515 million board feet (mmbf) harvested in 1989 to roughly 120 mmbf being harvested today. This volume has remained relatively constant for the past decade. In Mendocino County mills are now limited to Ukiah and Willits, all other log processing mills have been shuttered. Today, the remaining redwood industry operates under voluntary third party sustainability programs addressing the economic, environmental and social aspects of sustainability in forest management. Redwood continues to be an important and recognizable component of what makes Mendocino unique.

Credits for above summary to Greg Giusti, UCCE/ANR Forests and Wildlands Ecology Advisor for Mendocino and Lake counties.

* Cover photo taken by Christy Bengston, is of Dave Bengston, former Mendocino County Agricultural Commissioner and Sealer of Weights and Measures, an avid birder and accomplished mycologist, hunting for wild mushrooms in the redwood forests of Mendocino county.

CHUCK MORSE
Agricultural Commissioner
Sealer of Weights & Measures

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KAREN ROSS, SECRETARY
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE **and**

August 1, 2016

THE HONORABLE BOARD OF SUPERVISORS OF MENDOCINO COUNTY

Dan Gjerde, 4th District, Chair, **John McCowen**, 2nd District, Vice chair, **Carre Brown**, 1st District,
Tom Woodhouse, 3rd District, **Dan Hamburg**, 5th District

In accordance with Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2015 annual crop report for Mendocino County. This report reflects the total **gross value** of agricultural commodities produced in the county and not the net returns for producers.

The total gross agricultural value for all commodities produced in 2015 was **\$221,840,400** which represents a 3% increase compared to the 2014 value of \$214,475,900. The leading agricultural commodity continues to be wine grapes, at **\$ 88,287,000**. Agricultural production, excluding timber, totaled **\$138,110,100**. Timber represents the second highest value commodity, with a gross "at mill" value of **\$83,730,300**. Mendocino County ranked 5th in the state in timber volumes and produced roughly 7.5% of the state's total timber harvest in 2015.

The small increase in the overall gross value for all commodities in 2015 resulted primarily from improved returns for timber, pears and pasture and range. A 32 % increase in pear tonnage, coupled with improved returns, resulted in a 50% increase in gross dollar value. For apples, decreased tonnage overall counteracted elevated price per ton returns, resulting in a value nearly equal to 2014.

Overall cattle returns were lower, even with favorable market prices most of the year. Prior years of herd size reductions and the need to maintain or start increasing herd size resulted in fewer overall animals going to auction. Increased production in milk could not off-set lower returns, resulting in a drop in overall valuation compared to 2014.

I wish to express my sincere appreciation to the many producers and agencies that furnish the necessary information that make this report possible. I would also like to thank the University of California Cooperative Extension and all the members of my staff, including Jennifer Krauss, Matt Daugherty, and Aaron Hult for their hard work, valuable input and assistance in producing this report.

Respectfully submitted,

Chuck Morse
Agricultural Commissioner/Sealer of Weights and Measures

**MENDOCINO COUNTY
DEPARTMENT OF AGRICULTURE**

ANNUAL CROP REPORT FOR 2015

MENDOCINO COUNTY BOARD OF SUPERVISORS

Dan Gjerde (Chair)	. . . District 4
Carre Brown.	. . .District 1
John McCowen	. . .District 2
Tom Woodhouse	. . District 3
Dan Hamburg	. . . .District 5

Department of Agriculture

CHUCK MORSE




Agricultural Commissioner / Sealer of Weights and Measures

DIANE CURRY	. . . . .	Assistant Agricultural Commissioner / Assistant Sealer of Weights & Measures
RAY HARRIE	. . . . .	Ag/Measurement Standards Specialist III
AARON HULT	. . . . .	Ag/Measurement Standards Specialist III
MATT DAUGHERTY	. . . . .	Ag/Measurement Standards Specialist I
ANDY WALKER	. . . . .	Ag/Measurement Standards Specialist I
JENNIFER KRAUSS	. . . . .	Office Manager
CARALYN GULSETH	. . . . .	Staff Assistant II

SEASONAL INSPECTORS

John Attaway	Amanda Ekstrand
Kevin Gonsalves	Sheryl Greene
Ray Hall	Bill Kubran
Ernst Lehmann	Dennis Winchester

FRUIT AND NUT CROPS

COMMODITY	YEAR	BEARING ACREAGE	TONS PER ACRE	PRODUCTION IN TONS	\$ PER TON	VALUE
APPLES, TOTAL	2015	215	2.6	516	\$ 947 ⁽⁴⁾	\$ 531,300
	2014	215	3.4	738	\$ 751 ⁽⁴⁾	\$ 553,900
<i>Fresh</i>	2015			196	\$ 1,035	\$ 203,000
	2014			263	\$ 1,415	\$ 372,100
<i>Other</i>	2015			365	\$ 900	\$ 328,300
<i>(Dried, Juice, etc.)</i>	2014			475	\$ 383	\$ 181,800
WINE GRAPES, TOTAL	2015	16,862	3.4	57,292	\$ 1,514 ⁽⁴⁾	\$ 88,287,000
	2014	16,909	3.7	61,959	\$ 1,512 ⁽⁴⁾	\$ 93,691,300
<i>White</i>	2015	5,940	4	23,745		
<i>Varieties</i>	2014	6,058	4.5	27,199		
<i>Red</i>	2015	10,922	3.4	33,547		
<i>Varieties</i>	2014	10,851	3.2	34,760		
						
PEARS, TOTAL (1)	2015	1,316	20.9	27,528	\$ 629 ⁽⁴⁾	\$ 17,315,100
	2014	1,316	15.9	20,893	\$ 553 ⁽⁴⁾	\$ 11,553,800
<i>Bartlett (2)</i>	2015	1,164	24	24,726	\$ 558 ⁽⁴⁾	\$ 13,797,100
	2014	1,164	16.8	19,577	\$ 511 ⁽⁴⁾	\$ 10,003,800
<i>Canning</i>	2015			19,542	\$ 456	\$ 8,911,200
	2014			13,762	\$ 361	\$ 4,968,100
<i>Fresh (2)</i>	2015			4,263	\$ 1,107	\$ 4,719,100
	2014			4,738	\$ 1,020	\$ 4,832,800
<i>Other</i>	2015			921	\$ 238	\$ 219,200
<i>(Baby Food</i>	2014			1,077	\$ 217	\$ 233,700
<i>Dried, Paste)</i>						
<i>Bosc (2)</i>	2015	91	20.6	1,875	\$ 1,183	\$ 2,218,100
	2014	91	9.7	886	\$ 1,091	\$ 966,600
<i>Red (2)</i>	2015	61	15.2	927	\$ 1,481	\$ 1,372,900
	2014	61	7	430	\$ 1,456	\$ 626,100
MISC. TOTAL (3)	2015	257				\$ 800,000
	2014	274				\$ 900,000
TOTALS	2015	18,650				\$ 106,933,400
	2014	18,714				\$ 106,699,000

(1) Does not include misc./other pears. See (3)

(2) The fresh values listed for pears are FOB values. The actual average prices paid per ton to the growers (farm gate values) for 2015 were: Bartlett \$439, Bosc \$534, and Reds \$575.
for 2014 were: Bartlett \$386, Bosc \$683, and Reds \$573.

(3) Miscellaneous includes berries, cherries, chestnuts, olives, other pears, peaches, persimmons, pistachios and walnuts

(4) Weighted average

Some Values throughout this report may not compute exactly due to computational rounding.

FRUIT, NUT, AND GRAPEVINE ACREAGE

CROP	ACRES BEARING	ACRES NON-BEARING	TOTAL
APPLES	215	1	216
WINE GRAPES, TOTAL	16,862	541	17,403
Red	10,922	281	11,203
White	5,940	260	6,200
OLIVES	115	5	120
PEARS, TOTAL	1,334	5	1,339
Bartlett	1,163	2	1,165
Red	61	0	61
Bosc	91	3	94
Other	19	0	19
WALNUTS, ENGLISH	35	1	36
MISCELLANEOUS*	68	0	68
TOTALS	18,629	553	19,182

*Miscellaneous includes: Berries, cherries, chestnuts, guava, peaches, persimmons, pistachios, plums, and table grapes.



LIVESTOCK INVENTORIES

COMMODITY	2015	2014
All Cattle and Calves	17,000	16,800
Sheep and Lambs, all	10,200	10,000
Hogs and Pigs	950	1,120
Other Livestock*	4,685	4,705

*Other Livestock includes goats, bison, llama, poultry and rabbits

LIVESTOCK PRODUCTION

COMMODITY	YEAR	NO. OF HEAD	TOTAL CWT** LIVE WT.	\$ PER	\$ VALUES
CATTLE AND CALVES	2015	8,300	51,460	\$208	\$10,703,700
	2014	9,700	63,050	\$188	\$11,853,400
SHEEP AND LAMBS	2015	4,250	2,423	\$139	\$336,800
	2014	4,200	3,906	\$146	\$570,300
HOGS AND PIGS	2015	690	1,228	\$83	\$101,900
	2014	730	1,299	\$94	\$122,100
MISCELLANEOUS*	2015				\$650,000
	2014				\$700,000
TOTALS	2015				\$11,792,400
	2014				\$13,245,800

*Miscellaneous includes goats, pigeons, poultry, rabbits, turkeys, bison and aquaculture (fish farms).

**CWT= 100 lbs.



LIVESTOCK AND POULTRY PRODUCTS

COMMODITY	YEAR	PRODUCTION IN LBS.	PER UNIT	\$ VALUE
MILK	2015	218,662 CWT.	\$18.14	\$3,966,500
	2014	184,222 CWT.	\$25.17	\$4,636,900
WOOL	2015	34,200 LB.	\$1.55	\$53,000
	2014	33,700 LB.	\$2.01	\$67,700
MISCELLANEOUS*	2015			\$1,500,000
	2014			\$1,500,000
TOTALS	2015			\$5,519,500
	2014			\$6,204,600

*Miscellaneous includes apiary, eggs, emus, cheese, manure, and ostriches.

NURSERY PRODUCTION

COMMODITY	YEAR	GREENHOUSE SQUARE FEET	FIELD ACRES	\$ VALUES
Nursery*	2015	100,600	28	\$1,560,000
	2014	115,200	32	\$1,361,800
Christmas Trees	2015	N/A	N/A	\$17,300
	2014	N/A	N/A	\$18,200
TOTALS	2015	100,600	28	\$1,577,300
	2014	115,200	32	\$1,380,000

*Includes turf and cut flowers



VEGETABLE CROPS

COMMODITY	YEAR	ACRES	\$ VALUES
Miscellaneous Vegetables*	2015	340	\$1,150,000
	2014	340	\$1,452,000

*Includes beans, sweet corn, garlic, herbs, melons, peas, potatoes, squash, tomatoes, etc.

FIELD CROPS

COMMODITY	YEAR	ACRES	YIELD/ ACRE	TOTAL YIELD	PER AUM	\$ VALUES
IRRIGATED PASTURE	2015	3,500	9.00 AUM*	31,500	\$26.00	\$819,000
	2014	4,000	9.00 AUM*	36,000	\$22.00	\$792,000
PASTURE, other (grassland, coast bench)	2015	363,000	1.01 AUM*	366,630	\$13.50	\$4,949,500
	2014	363,000	1.01 AUM*	366,630	\$12.00	\$4,399,600
RANGE	2015	355,000	.65 AUM*	230,750	\$12.00	\$2,769,000
	2014	355,000	.65 AUM*	230,750	\$10.50	\$2,422,900
MISCELLANEOUS**	2015					\$2,600,000
	2014					\$2,900,000
TOTALS	2015					\$11,137,500
	2014					\$10,514,500

*AUM means Animal Unit Month (food required to feed a 1,000 pound steer for one month).

**Miscellaneous includes alfalfa, barley, beans, corn, hay and oats.

FOREST PRODUCTS

TIMBER	2015	2014
Log Production (board feet)	121,701,000	115,197,000
Total Stumpage Value, net	\$41,151,000	\$34,661,018
Total Value at Mill, gross	\$83,730,300	\$74,980,000

- 1) Calendar year 2015 showed a slight increase (Approx. 5%) in timber harvest volume when compared to 2014.
- 2) The average price for stumpage based on the information provided by the Board of Equalization is approximately \$338/mbf for reported timber harvested in Mendocino County.
- 3) Stumpage values were slightly higher - \$338/mbf for 2015 compared to \$300/mbf for 2014.
- 4) The combined value of delivered value at the mill includes both stumpage (\$338/mbf) and logging and hauling costs (approx. \$350/mbf) for a total value of \$688/mbf = \$83,730,300.
- 5) Mendocino County produced approximately 7.5% of the total timber produced in the state in 2015.
- 6) The State's reported total timber harvest volume for 2015 - 1,590,743 mbf. Compared to 2014 (1,465,691 mbf) represents roughly an 8% increase in total state harvest volume.
- 7) Mendocino County ranked 5th in the state in timber volumes for 2015. The top ranking counties in 2015 were Siskiyou, Humboldt, Shasta, El Dorado, and Mendocino.

Data based on information from Gregory A. Giusti, U.C. Cooperative Extension.

10 YEAR COMPARISON (LOG PRODUCTION)

YEAR	Log Production (Board Feet)	Value at Mill (Gross)
2015	121,701,000	\$83,730,300
2014	115,197,000	\$74,980,000
2013	111,574,000	\$66,051,800
2012	121,850,000	\$71,587,951
2011	89,795,000	\$59,085,110
2010	94,724,000	\$57,673,418
2009	43,801,000	\$25,448,400
2008	92,652,000	\$67,004,000
2007	103,031,000	\$74,594,400
2006	110,168,000	\$86,481,900



SUSTAINABLE AGRICULTURE

ORGANIC ACRES

CROPS	ACRES
Wine grapes	3,898
Fruits & Nuts	294
Vegetables	35
Herbs	14
Pasture/Forage/Grain	11,596
Nursery & Cut Flowers	19
TOTAL	15,856



PEST EXCLUSION

Parcel Post & Truck Shipment Inspections

SHIPMENTS INSPECTED	EXOTIC PESTS INTERCEPTED	SHIPMENTS REJECTED
1,786	0	3

BIOLOGICAL CONTROL

BIO-CONTROL AGENT	SCOPE OF PROGRAM
Bull Thistle Gall Fly.....	3 Sites
Gorse Weevil.....	Generally Distributed
Gorse Spider Mite.....	Generally Distributed
Italian Thistle Seed Head Weevil.....	Widely Distributed
Klamath Weed Beetles.....	Widely Distributed
Klamath Weed Root Borers.....	Widely Distributed
Puncture Vine Seed Weevil.....	Generally Distributed
Puncture Vine Stem Weevil.....	Generally Distributed
Tansy Ragwort Cinnabar Moth.....	Established
Tansy Ragwort Flea Beetle.....	Established
Yellow Starthistle Seed Head Weevil.....	Widely Distributed
Yellow Starthistle Gall Forming Fly.....	Widely Distributed
Yellow Starthistle Hairy Weevil.....	Generally Distributed
Yellow Starthistle Peacock Fly.....	Widely Distributed

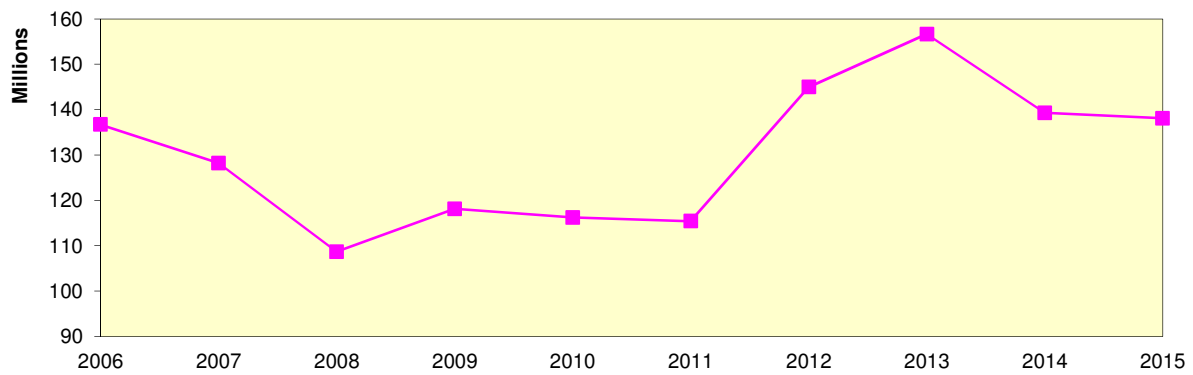


Gorse Seed Weevil
Image by George Markin, USDA
Forest Service, Bugwood.org



False Peacock Fly
Image by Mark Schwarzlander,
University of Idaho, Bugwood.org

VALUE OF MENDOCINO COUNTY AGRICULTURE (EXCLUDING TIMBER)
2006- 2015



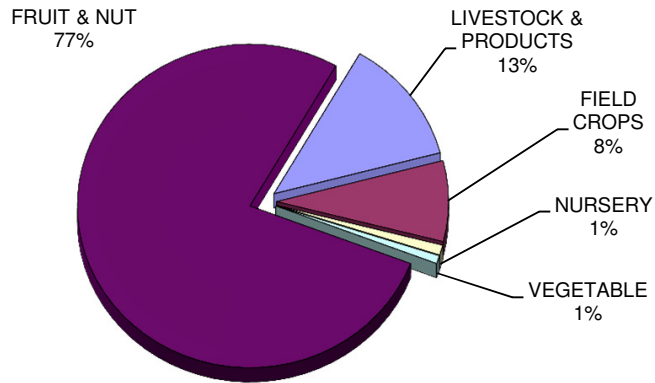
MILLION DOLLAR CROPS

WINE GRAPES	\$	88,287,000
TIMBER	\$	83,730,300
BARTLETT PEARS	\$	13,797,100
CATTLE & CALVES	\$	10,703,700
PASTURE	\$	4,949,500
MILK	\$	3,966,500
NURSERY	\$	1,577,300



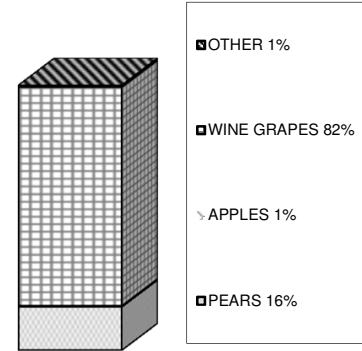
SHARES OF AGRICULTURAL VALUE

ALL AGRICULTURE (EXCLUDING TIMBER)



TOTAL \$ 138,110,100

FRUIT & NUT CROPS



TOTAL \$106,933,400



SUMMARY OF PRODUCTION

COMMODITY	2015	2014
FRUITS AND NUTS	\$ 106,933,400	\$ 106,699,000
LIVESTOCK PRODUCTION	\$ 11,792,400	\$ 13,245,800
LIVESTOCK AND POULTRY PRODUCTS	\$ 5,519,500	\$ 6,204,600
NURSERY PRODUCTION	\$ 1,577,300	\$ 1,380,000
VEGETABLE CROPS	\$ 1,150,000	\$ 1,452,000
FIELD CROPS	\$ 11,137,500	\$ 10,514,500
FOREST PRODUCTS	\$ 83,730,300	\$ 74,980,000
TOTALS	\$ 221,840,400	\$ 214,475,900

SUPPLEMENT TO CROP REPORT: COMMERCIAL FISH CATCH

COMMODITY	TOTAL LBS	TOTAL VALUE
SALMON, CHINOOK	624,048	\$ 4,180,555
SABLEFISH	1,052,193	\$ 2,008,079
CRAB, DUNGENESS	402,786	\$ 1,599,118
SEA URCHIN, RED	1,272,085	\$ 988,115
SOLE, PETRALE	448,876	\$ 620,006
SOLE, DOVER	1,148,304	\$ 511,798
THORNYHEAD, LONGSPINE	498,724	\$ 199,571
ROCKFISH, CHILIPEPPER	263,274	\$ 176,012
THORNYHEAD, SHORTSPINE	157,015	\$ 173,878
LINGCOD	77,002	\$ 118,751
MICELLANEOUS	681,734	\$ 598,413
TOTALS	6,626,041	\$ 11,174,296



COMMERCIAL FISH CATCH TEN YEAR VALUE COMPARISON

YEAR	POUNDS	VALUE
2015	6,626,041	\$ 11,174,296
2014	8,857,427	\$ 14,356,515
2013	10,278,045	\$ 17,280,900
2012	8,884,029	\$ 15,680,257
2011	8,187,209	\$ 12,438,515
2010	7,784,183	\$ 7,691,243
2009	8,172,353	\$ 7,434,164
2008	7,203,296	\$ 7,112,954
2007	5,931,839	\$ 7,038,220
2006	5,468,557	\$ 5,763,048

Source - State of California Department of Fish and Game
All figures are rounded - figures are preliminary

UKIAH 100 YEAR RAINFALL DATA (FROM UKIAH FIRE DEPARTMENT RECORDS)

<u>SEASON</u>	<u>TOTAL</u>	<u>SEASON</u>	<u>TOTAL</u>	<u>SEASON</u>	<u>TOTAL</u>
1914-15	49.28	1954-55	25.63	1994-95	58.88
1915-16	34.80	1955-56	51.09	1995-96	44.10
1916-17	30.23	1956-57	32.36	1996-97	39.07
1917-18	23.43	1957-58	58.87	1997-98	63.95
1918-19	37.23	1958-59	26.42	1998-99	34.77
1919-20	19.05	1959-60	32.60	1999-00	33.81
1920-21	47.94	1960-61	34.89	2000-01	26.68
1921-22	28.74	1961-62	31.46	2001-02	31.74
1922-23	30.35	1962-63	44.45	2002-03	49.70
1923-24	16.19	1963-64	24.96	2003-04	38.99
1924-25	47.44	1964-65	50.84	2004-05	41.46
1925-26	26.33	1965-66	35.46	2005-06	60.39
1926-27	47.32	1966-67	43.16	2006-07	26.15
1927-28	34.94	1967-68	32.95	2007-08	31.64
1928-29	24.44	1968-69	51.28	2008-09	22.68
1929-30	31.08	1969-70	48.71	2009-10	40.51
1930-31	20.06	1970-71	38.31	2010-11	42.78
1931-32	27.67	1971-72	25.61	2011-12	23.50
1932-33	24.71	1972-73	42.09	2012-13	24.05
1933-34	25.21	1973-74	57.09	* 2013-14	28.86
1934-35	33.05	1974-75	38.60	2014-15	26.75
1935-36	37.83	1975-76	18.75		
1936-37	29.24	1976-77	14.20		
1937-38	55.13	1977-78	53.66		
1938-39	22.86	1978-79	30.23		
1939-40	41.01	1979-80	44.79		
1940-41	56.92	1980-81	26.82		
1941-42	48.21	1981-82	55.82		
1942-43	40.41	1982-83	70.19		
1943-44	26.19	1983-84	43.76		
1944-45	31.74	1984-85	27.40		
1945-46	36.11	1985-86	48.68		
1946-47	25.90	1986-87	25.25		
1947-48	32.93	1987-88	30.22		
1948-49	27.53	1988-89	31.48		
1949-50	29.75	1989-90	26.91		
1950-51	42.28	1990-91	26.00		
1951-52	47.74	1991-92	31.38		
1952-53	45.06	1992-93	50.49		
1953-54	35.74	1993-94	23.73		



FISCAL YEAR DATA

*Starting water year 2013-2014 (October 1 - September 30), data source changed from Ukiah Fire Department records to Ukiah Municipal Airport readings.

FIVE YEAR VALUE COMPARISON

ALL COMMODITIES

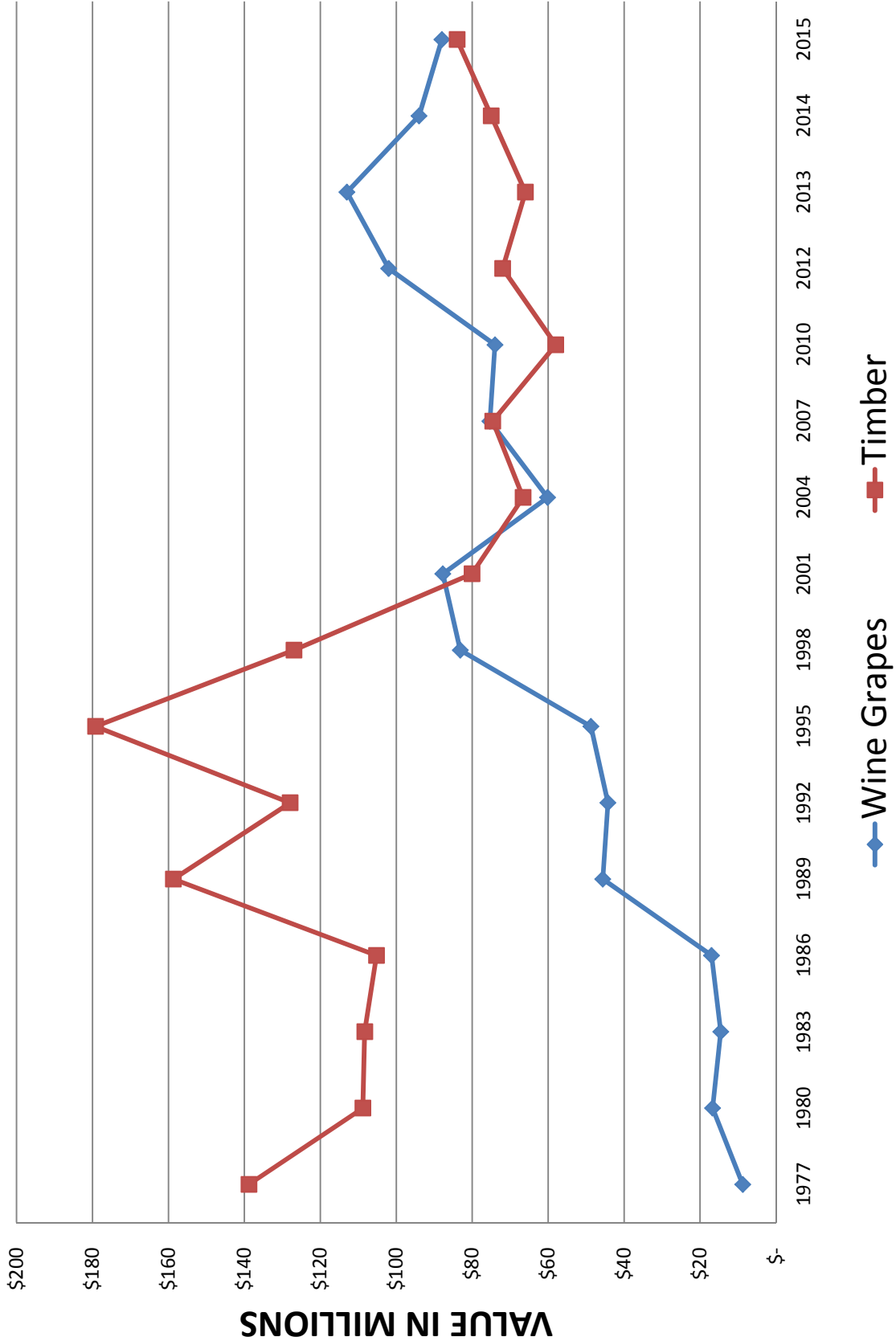
YEAR	FRUIT/ NUTS	LIVESTOCK PRODUCTION	LIVESTOCK AND POULTRY PRODUCTS	NURSERY PROD.	VEG PROD.	FIELD CROPS	TOTAL
2015	\$ 106,933,400	\$ 11,792,400	\$ 5,519,500	\$ 1,577,300	\$ 1,150,000	\$ 11,137,500	\$ 138,110,100
2014	\$ 106,699,000	\$ 13,245,800	\$ 6,204,600	\$ 1,380,000	\$ 1,252,000	\$ 10,514,500	\$ 139,295,900
2013	\$ 127,883,400	\$ 9,962,700	\$ 5,299,400	\$ 1,457,600	\$ 1,200,000	\$ 10,828,300	\$ 156,631,400
2012	\$ 116,328,000	\$ 9,750,700	\$ 5,523,700	\$ 1,626,900	\$ 900,000	\$ 10,833,400	\$ 144,962,700
2011	\$ 85,339,400	\$ 8,859,100	\$ 6,953,200	\$ 2,105,000	\$ 900,000	\$ 11,250,600	\$ 115,407,300



TOP TEN GRAPE VARIETY VALUES

VARIETY	Acres Bearing	Acres Total	TONS	VALUE PER TON	TOTAL VALUE
Chardonnay	4,597	4,851	18,355	\$1,266.89	\$23,253,377
Pinot Noir	2,661	2,722	6,367	\$2,997.15	\$19,082,854
Cabernet Sauvignon	2,665	2,888	8,560	\$1,923.71	\$16,466,957
Zinfandel	1,912	1,921	5,562	\$1,525.40	\$8,484,275
Merlot	1,426	1,426	6,401	\$1,192.42	\$7,632,680
Sauvignon Blanc	680	681	3,070	\$1,270.91	\$3,901,694
Petite Sirah	570	577	1,989	\$1,677.29	\$3,336,130
Syrah	671	671	1,910	\$1,348.68	\$2,575,979
Carignane	355	355	938	\$1,170.08	\$1,097,535
Gewurtzraminer	167	170	358	\$1,528.40	\$547,167

MENDOCINO COUNTY
WINE GRAPE VALUE VS TIMBER VALUE



Mendocino County



2016 Crop Report

Harinder Grewal
Agricultural Commissioner
Sealer of Weights and Measures



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COUNTY OF MENDOCINO
DEPARTMENT OF AGRICULTURE
890 N Bush St.
Ukiah CA 95482

July 10, 2018

KAREN ROSS, SECRETARY
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE **and**

THE HONORABLE BOARD OF SUPERVISORS OF MENDOCINO COUNTY

Dan Hamburg, 5th District, Chair, **Georgianne Croskey**, 3rd District, Vice chair, **Carre Brown**, 1st District,
John McCowen, 2nd District, **Dan Gjerde**, 4th District

In accordance with Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2016 annual crop report for Mendocino County. This report reflects the total **gross value** of agricultural commodities produced in the county and not the net returns for producers.

The total gross agricultural value for all commodities produced in 2016 was **\$242,533,700**, which represents a 10% increase compared to the 2015 value of **\$221,840,400**. The leading agricultural commodity continues to be wine grapes, at **\$120,251,300**. Agricultural production, excluding timber, totaled **\$165,837,100**. Timber represents the second highest value commodity, with a gross "at mill" value of **\$76,696,600**. Mendocino County ranked 4th in the state in timber volumes and produced roughly 11% of the state's total timber harvest in 2016.

The statewide decrease in timber production, down 12%, correlates with the decreased production of timber in Mendocino County. Higher timber prices were not enough to offset lower production, leading to an 8% decrease in gross value. Pear production tons were down and prices remaining relatively stagnant led to a 14% decrease in overall value. Tonnage was also down for apples, but significantly higher prices led to an 11% increase in tonnage price over 2015. The increasing popularity of hard cider production was the largest contributing factor in the increase of price per ton for apples.

Cattle inventories were down slightly, as uncertainty about the ongoing drought continued to loom. Lower market prices, and fewer animals going to auction lead to a significant reduction in production value, down 17% when compared to 2015. Increased production in milk could not offset lower returns, resulting in a drop in overall valuation compared to 2015.

I wish to express my sincere appreciation to the many producers and agencies that furnish the necessary information that makes this report possible. I would also like to thank the University of California Cooperative Extension and all the members of my staff, including Caralyn Gulseth and Aaron Hult for their hard work, valuable input and assistance in producing this report.

Respectfully submitted,

Harinder Grewal
Agricultural Commissioner/Sealer of Weights and Measures



This 2016 Crop Report is dedicated to Chuck Morse, who retired as the Mendocino County Agricultural Commissioner/Sealer of Weights and Measures in January 2017. Chuck spent over 30 years protecting the environment while also promoting agriculture as a business. After receiving a Bachelor of Sciences Degree in Environmental Biology, with a Minor in Chemistry from the California State University of Northridge, Chuck got his foot in the door with the Lake County Department of Agriculture in 1985. Like many other state and county agricultural inspectors before and after, Chuck was hired as an extra help insect trapper for a specialty program, specifically a Gypsy Moth Detection program in Lake County. Chuck's strong work ethic and the detection of Grape Phylloxera in Lake County led to him being hired full time in the Fall of that year. He quickly moved up the ranks, eventually obtaining all the inspector and deputy licenses to become the Deputy Agricultural Commissioner/Sealer of Weights and Measures, a position he held in Lake county for six years. After retiring from Lake County in 2008, Chuck was quickly called out of retirement in late Summer of that year to help out part time with the Mendocino County Ag Department. Part time led to full time, and after Chuck had served as the Assistant Agricultural Commissioner for 1.5 years and acquired the additional requisite licenses, he was appointed Agricultural Commissioner and Sealer of Weights and Measures for Mendocino County in 2012. Chuck worked tirelessly through some tumultuous years while with the Ag Department before finally retiring in January of 2017. Chuck joins his wife in retirement and he plans on spending a bit more time on his farm in Lake County, on which he has been raising hay for the better part of three decades. Chuck is well-respected in the Ag world, and in the broader community in general, and we wish him well in all his future endeavors.

*Front cover photo credits go to Cassie Taaning and Aaron Hult

**MENDOCINO COUNTY
DEPARTMENT OF AGRICULTURE
ANNUAL CROP REPORT FOR 2016**

MENDOCINO COUNTY BOARD OF SUPERVISORS

	Dan Gjerde (Chair)	. . . District 4	
Carre Brown.	. . .District 1		Tom Woodhouse . . District 3
John McCowen	. . .District 2		Dan HamburgDistrict 5

Department of Agriculture

CHUCK MORSE




Agricultural Commissioner / Sealer of Weights and Measures

DIANE CURRY	. . . . .	Assistant Agricultural Commissioner / Assistant Sealer of Weights & Measures
RAY HARRIE	. . . . .	Ag/Measurement Standards Specialist III
AARON HULT	. . . . .	Ag/Measurement Standards Specialist III
MATT DAUGHERTY	. . . . .	Ag/Measurement Standards Specialist II
ANDY WALKER	. . . . .	Ag/Measurement Standards Specialist II
JENNIFER KRAUSS	. . . . .	Office Manager
CARALYN GULSETH	. . . . .	Staff Assistant II

SEASONAL INSPECTORS

John Attaway	Amanda Ekstrand
Kevin Gonsalves	Sheryl Greene
Ray Hall	Bill Kubran
Dennis Winchester	

FRUIT AND NUT CROPS

COMMODITY	YEAR	BEARING ACREAGE	TONS PER ACRE	PRODUCTION IN TONS	\$ PER TON	VALUE
APPLES, TOTAL	2016	216	2.2	479	\$ 1,076	\$ 515,400
	2015	215	2.6	561	\$ 822 ⁽⁴⁾	\$ 461,100
<i>Fresh</i>	2016			189	\$ 2,060	\$ 389,900
	2015			196	\$ 1,631	\$ 320,000
<i>Other</i>	2016			290	\$ 434	\$ 125,900
<i>(Dried, Juice, etc.)</i>	2015			365	\$ 388	\$ 141,600
WINE GRAPES, TOTAL	2016	16,375	4.8	77,984	\$ 1,542	\$ 120,251,300
	2015	16,862	3.4	57,488	\$ 1,520	\$ 88,287,000
<i>White</i>	2016	5,667	6.6	37,172		
<i>Varieties</i>	2015	5,940	4	23,745		
<i>Red</i>	2016	10,708	3.8	40,812		
<i>Varieties</i>	2015	10,922	3.1	33,764		
						
PEARS, TOTAL (1)	2016	1,305	17.7	23,128	\$ 644	\$ 14,894,400
	2015	1,316	20.9	27,528	\$ 629 ⁽⁴⁾	\$ 17,315,100
Bartlett (2)	2016	1,153	19.1	20,649	\$ 564	\$ 11,666,700
	2015	1,164	24	24,726	\$ 558 ⁽⁴⁾	\$ 13,797,100
<i>Canning</i>	2016			15,311	\$ 463	\$ 7,088,900
	2015			19,542	\$ 456	\$ 8,911,200
<i>Fresh (2)</i>	2016			4,067	\$ 1,145	\$ 4,656,700
	2015			4,263	\$ 1,107	\$ 4,719,100
<i>Other</i>	2016			1,271	\$ 260	\$ 213,200
<i>(Baby Food</i>	2015			921	\$ 238	\$ 219,200
<i>Dried, Paste)</i>						
Bosc (2)	2016	91	19.6	1,784	\$ 1,200	\$ 2,140,800
	2015	91	20.6	1,875	\$ 1,183	\$ 2,218,100
Red (2)	2016	61	11.4	695	\$ 1,490	\$ 1,036,146
	2015	61	15.2	927	\$ 1,481	\$ 1,372,900
MISC. TOTAL (3)	2016	249				\$ 900,000
	2015	257				\$ 800,000
TOTALS	2016	18,145				\$ 136,561,100
	2015	18,650				\$ 106,933,400

(1) Does not include misc./other pears. See (3)

(2) The fresh values listed for pears are FOB values. The actual average prices paid per ton to the growers (farm gate values) for 2016 were: Bartlett \$443, Bosc \$525, and Reds \$500. for 2015 were: Bartlett \$439, Bosc \$534, and Reds \$575.

(3) Miscellaneous includes berries, cherries, chestnuts, olives, other pears, guava, peaches, persimmons, table grapes pistachios and walnuts

(4) Weighted average

Some Values throughout this report may not compute exactly due to computational rounding.

FRUIT, NUT, AND GRAPEVINE ACREAGE

CROP	ACRES BEARING	ACRES NON-BEARING	TOTAL
APPLES	216	0	216
WINE GRAPES, TOTAL	16,375	875	17,250
Red	10,708	456	11,164
White	5,667	419	6,086
OLIVES	115	5	120
PEARS, TOTAL	1,324	0	1,324
Bartlett	1,153	0	1,153
Red	61	0	61
Bosc	91	0	91
Other	19	0	19
WALNUTS, ENGLISH	30	1	31
MISCELLANEOUS*	85	0	85
TOTALS	18,145	881	19,026

*Miscellaneous includes berries, cherries, chestnuts, guava, peaches, persimmons, pistachios, plums, and table grapes.



LIVESTOCK INVENTORIES

COMMODITY	2016	2015
All Cattle and Calves	16,800	17,000
Sheep and Lambs, all	10,000	10,200
Hogs and Pigs	850	950
Other Livestock*	4,400	4,685

*Other Livestock includes goats, bison, llama, poultry and rabbits

LIVESTOCK PRODUCTION

COMMODITY	YEAR	NO. OF HEAD	TOTAL CWT** LIVE WT.	\$ PER	\$ VALUES
CATTLE AND CALVES	2016	8,100	48,600	\$182	\$8,845,200
	2015	8,300	51,460	\$208	\$10,703,700
SHEEP AND LAMBS	2016	4,100	3,570	\$148	\$528,360
	2015	4,250	3,860	\$139	\$536,540
HOGS AND PIGS	2016	600	1,320	\$79	\$104,300
	2015	690	1,228	\$83	\$101,900
MISCELLANEOUS*	2016				\$600,000
	2015				\$650,000
TOTALS	2016				\$10,077,860
	2015				\$11,992,140

*Miscellaneous includes goats, pigeons, poultry, rabbits, turkeys, bison and aquaculture (fish farms).

**CWT= 100 lbs.



LIVESTOCK AND POULTRY PRODUCTS

COMMODITY	YEAR	PRODUCTION IN LBS.	PER UNIT	\$ VALUE
MILK	2016	253,593 CWT.	\$15.98	\$3,732,816
	2015	218,662 CWT.	\$18.14	\$3,966,500
WOOL	2016	35,000 LB.	\$1.50	\$52,500
	2015	34,200 LB.	\$1.55	\$53,000
MISCELLANEOUS*	2016			\$1,350,000
	2015			\$1,500,000
TOTALS	2016			\$5,135,316
	2015			\$5,519,500

*Miscellaneous includes apiary, eggs, emus, cheese, manure, and ostriches.

NURSERY PRODUCTION

COMMODITY	YEAR	GREENHOUSE SQUARE FEET	FIELD ACRES	\$ VALUES
Nursery*	2016	62,000	23	\$1,208,175
	2015	100,600	28	\$1,560,000
Christmas Trees	2016	N/A	N/A	\$17,400
	2015	N/A	N/A	\$17,300
TOTALS	2016	62,000	23	\$1,225,575
	2015	100,600	28	\$1,577,300

*Includes turf and cut flowers



VEGETABLE CROPS

	YEAR	ACRES	\$ VALUES
Miscellaneous Vegetables*	2016	340	\$1,115,000
	2015	340	\$1,150,000

*Includes beans, sweet corn, garlic, herbs, melons, peas, potatoes, squash, tomatoes, etc.

FIELD CROPS

COMMODITY	YEAR	ACRES	YIELD/ ACRE	TOTAL YIELD	PER AUM	\$ VALUES
IRRIGATED PASTURE	2016	3,500	9.00 AUM*	31,500	\$27.00	\$850,500
	2015	3,500	9.00 AUM*	31,500	\$26.00	\$819,000
PASTURE, other (grassland, coast bench)	2016	363,000	1.03 AUM*	373,890	\$14.00	\$5,234,500
	2015	363,000	1.01 AUM*	366,630	\$13.50	\$4,949,500
RANGE	2016	355,000	.67 AUM*	237,850	\$12.50	\$2,937,200
	2015	355,000	.65 AUM*	230,750	\$12.00	\$2,769,000
MISCELLANEOUS**	2016					\$2,700,000
	2015					\$2,600,000
TOTALS	2016					\$11,722,200
	2015					\$11,137,500

*AUM means Animal Unit Month (food required to feed a 1,000 pound steer for one month).

**Miscellaneous includes alfalfa, barley, beans, corn, hay and oats.

FOREST PRODUCTS

TIMBER	2016	2015
Log Production (board feet)	106,727,000	121,701,000
Total Stumpage Value, net	\$39,342,167	\$41,151,000
Total Value at Mill, gross	\$76,696,600	\$83,730,300

- 1) Calendar year 2016 showed a decrease (Approx. 12%) in timber harvest volume when compared to 2015.
- 2) The average price for stumpage based on the information provided by the Board of Equalization is approximately \$368/mbf for reported timber harvested in Mendocino County.
- 3) Stumpage values were slightly higher - **\$368/mbf** for 2016 compared to \$338/mbf for 2015.
- 4) The combined value of delivered value at the mill includes both stumpage (\$368/mbf) and logging and hauling costs (approx. \$350/mbf) for a total value of \$718/mbf = **\$76,696,617**.
- 5) Mendocino County produced approximately 11% of the total timber produced in the state in 2016.
- 6) The State's reported total timber harvest volume for 2016 = 1,502,874 mbf. Compared to 2015 (1,590,743 mbf) represents roughly a .5% decrease in total state harvest volume.
- 7) Mendocino County ranked 4th in the state in timber volumes for 2016. The top ranking counties in 2016

Data based on information from Gregory A. Giusti, U.C. Cooperative Extension.

10 YEAR COMPARISON (LOG PRODUCTION)

YEAR	Log Production (Board Feet)	Value at Mill (Gross)
2016	106,727,000	\$76,696,600
2015	121,701,000	\$83,730,300
2014	115,197,000	\$74,980,000
2013	111,574,000	\$66,051,800
2012	121,850,000	\$71,587,951
2011	89,795,000	\$59,085,110
2010	94,724,000	\$57,673,418
2009	43,801,000	\$25,448,400
2008	92,652,000	\$67,004,000
2007	103,031,000	\$74,594,400



SUSTAINABLE AGRICULTURE ORGANIC ACRES

CROPS	ACRES
Wine grapes	3,786
Fruits & Nuts	305
Vegetables	35
Herbs	14
Pasture/Forage/Grain	10,475
Nursery & Cut Flowers	19
TOTAL	14,634



PEST EXCLUSION

Parcel Post & Truck Shipment Inspections

SHIPMENTS INSPECTED	EXOTIC PESTS INTERCEPTED	SHIPMENTS REJECTED
1,459	3	6

BIOLOGICAL CONTROL

BIO-CONTROL AGENT	SCOPE OF PROGRAM
Bull Thistle Gall Fly.....	3 Sites
Gorse Weevil.....	Generally Distributed
Gorse Spider Mite.....	Generally Distributed
	Widely Distributed
*Misc Klamath Weed Beetles.....	Widely Distributed
Klamath Weed Root Borers.....	Widely Distributed
Puncture Vine Seed Weevil.....	Generally Distributed
Puncture Vine Stem Weevil.....	Generally Distributed
Tansy Ragwort Cinnabar Moth.....	Established
Tansy Ragwort Flea Beetle.....	Established
Yellow Starthistle Seed Head Weevil.....	Widely Distributed
Yellow Starthistle Gall Forming Fly.....	Widely Distributed
Yellow Starthistle Hairy Weevil.....	Generally Distributed
Yellow Starthistle Peacock Fly.....	Widely Distributed

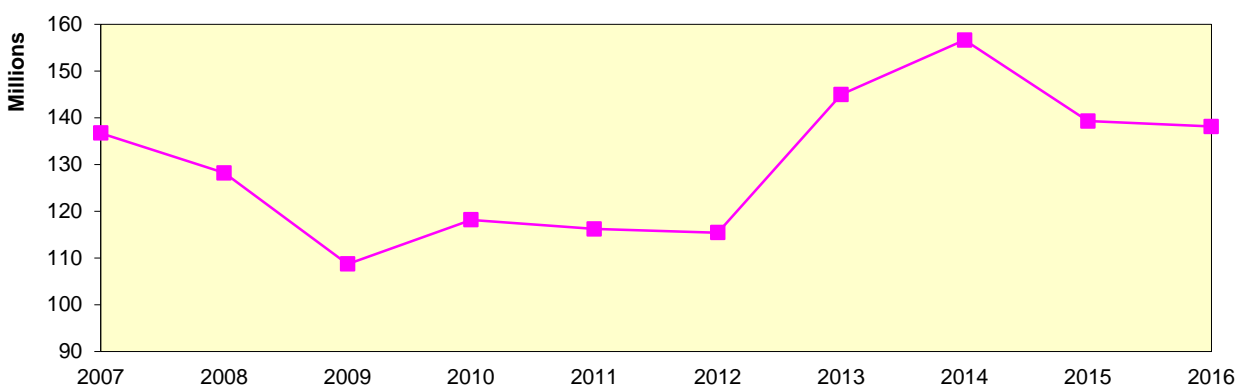


Gorse Seed Weevil
Image by George Markin, USDA
Forest Service, Bugwood.org



False Peacock Fly
Image by Mark Schwarzlander,
University of Idaho, Bugwood.org

VALUE OF MENDOCINO COUNTY AGRICULTURE (EXCLUDING TIMBER) 2007- 2016



MILLION DOLLAR CROPS

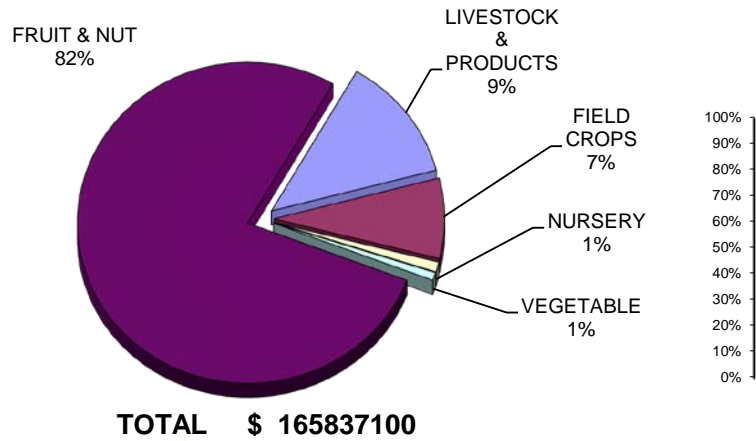
WINE GRAPES	\$	120,251,300
TIMBER	\$	76,696,600
BARTLETT PEARS	\$	14,894,400
CATTLE & CALVES	\$	8,845,200
PASTURE	\$	5,234,500
MILK	\$	3,732,816
NURSERY	\$	1,225,600

*Miscellaneous includes berries, cherries, chestnuts, guava, peaches, persimmons, pistachios, plums, and tal

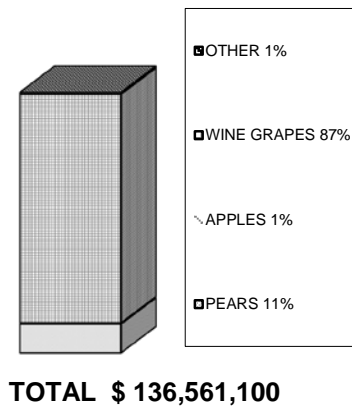


SHARES OF AGRICULTURAL VALUE

ALL AGRICULTURE (EXCLUDING TIMBER)



FRUIT & NUT CROPS



SUMMARY OF PRODUCTION

COMMODITY	2016	2015
FRUITS AND NUTS	\$ 136,561,100	\$ 106,933,400
LIVESTOCK PRODUCTION	\$ 10,077,900	\$ 11,792,400
LIVESTOCK AND POULTRY PRODUCTS	\$ 5,135,300	\$ 5,519,500
NURSERY PRODUCTION	\$ 1,225,600	\$ 1,577,300
VEGETABLE CROPS	\$ 1,115,000	\$ 1,150,000
FIELD CROPS	\$ 11,722,200	\$ 11,137,500
FOREST PRODUCTS	\$ 76,696,600	\$ 83,730,300
TOTALS	\$ 242,533,700	\$ 221,840,400

SUPPLEMENT TO CROP REPORT: COMMERCIAL FISH CATCH

COMMODITY	TOTAL LBS	TOTAL VALUE
CRAB, DUNGENESS	858,307	\$ 2,714,846
SABLEFISH	856,921	\$ 1,539,279
SALMON, CHINOOK	165,093	\$ 1,459,626
SEA URCHIN, RED	546,918	\$ 550,634
SOLE, DOVER	754,539	\$ 338,790
SOLE, PETRALE	154,366	\$ 218,395
THORNYHEAD, LONGSPINE	364,225	\$ 149,300
THORNYHEAD, SHORTSPINE	113,715	\$ 133,683
LINGCOD	59,386	\$ 111,459
CABEZON	11,365	\$ 59,637
MICELLANEOUS	370,435	\$ 388,918
TOTALS	4,255,270	\$ 7,664,567

l table grapes.



COMMERCIAL FISH CATCH TEN YEAR VALUE COMPARISON

YEAR	POUNDS	VALUE
2016	4,255,270	\$ 7,664,567
2015	6,626,041	\$ 11,174,296
2014	8,857,427	\$ 14,356,515
2013	10,278,045	\$ 17,280,900
2012	8,884,029	\$ 15,680,257
2011	8,187,209	\$ 12,438,515
2010	7,784,183	\$ 7,691,243
2009	8,172,353	\$ 7,434,164
2008	7,203,296	\$ 7,112,954
2007	5,931,839	\$ 7,038,220

Source - State of California Department of Fish and Game
All figures are rounded - figures are preliminary

UKIAH 100 YEAR RAINFALL DATA (FROM UKIAH FIRE DEPARTMENT RECORDS)

<u>SEASON</u>	<u>TOTAL</u>	<u>SEASON</u>	<u>TOTAL</u>	<u>SEASON</u>	<u>TOTAL</u>
1914-15	49.28	1954-55	25.63	1994-95	58.88
1915-16	34.80	1955-56	51.09	1995-96	44.10
1916-17	30.23	1956-57	32.36	1996-97	39.07
1917-18	23.43	1957-58	58.87	1997-98	63.95
1918-19	37.23	1958-59	26.42	1998-99	34.77
1919-20	19.05	1959-60	32.60	1999-00	33.81
1920-21	47.94	1960-61	34.89	2000-01	26.68
1921-22	28.74	1961-62	31.46	2001-02	31.74
1922-23	30.35	1962-63	44.45	2002-03	49.70
1923-24	16.19	1963-64	24.96	2003-04	38.99
1924-25	47.44	1964-65	50.84	2004-05	41.46
1925-26	26.33	1965-66	35.46	2005-06	60.39
1926-27	47.32	1966-67	43.16	2006-07	26.15
1927-28	34.94	1967-68	32.95	2007-08	31.64
1928-29	24.44	1968-69	51.28	2008-09	22.68
1929-30	31.08	1969-70	48.71	2009-10	40.51
1930-31	20.06	1970-71	38.31	2010-11	42.78
1931-32	27.67	1971-72	25.61	2011-12	23.50
1932-33	24.71	1972-73	42.09	2012-13	24.05
1933-34	25.21	1973-74	57.09	* 2013-14	28.86
1934-35	33.05	1974-75	38.60	2014-15	26.75
1935-36	37.83	1975-76	18.75	2015-16	35.05
1936-37	29.24	1976-77	14.20		
		1977-78	53.66		
uava, peac	22.86	1978-79	30.23		
1939-40	41.01	1979-80	44.79		
1940-41	56.92	1980-81	26.82		
1941-42	48.21	1981-82	55.82		
1942-43	40.41	1982-83	70.19		
1943-44	26.19	1983-84	43.76		
1944-45	31.74	1984-85	27.40		
1945-46	36.11	1985-86	48.68		
1946-47	25.90	1986-87	25.25		
1947-48	32.93	1987-88	30.22		
1948-49	27.53	1988-89	31.48		
1949-50	29.75	1989-90	26.91		
1950-51	42.28	1990-91	26.00		
1951-52	47.74	1991-92	31.38		
1952-53	45.06	1992-93	50.49		
1953-54	35.74	1993-94	23.73		



FISCAL YEAR DATA

*Starting water year 2013-2014 (October 1 - September 30), data source changed from Ukiah Fire Department records to Ukiah Municipal Airport readings.

FIVE YEAR VALUE COMPARISON

ALL COMMODITIES

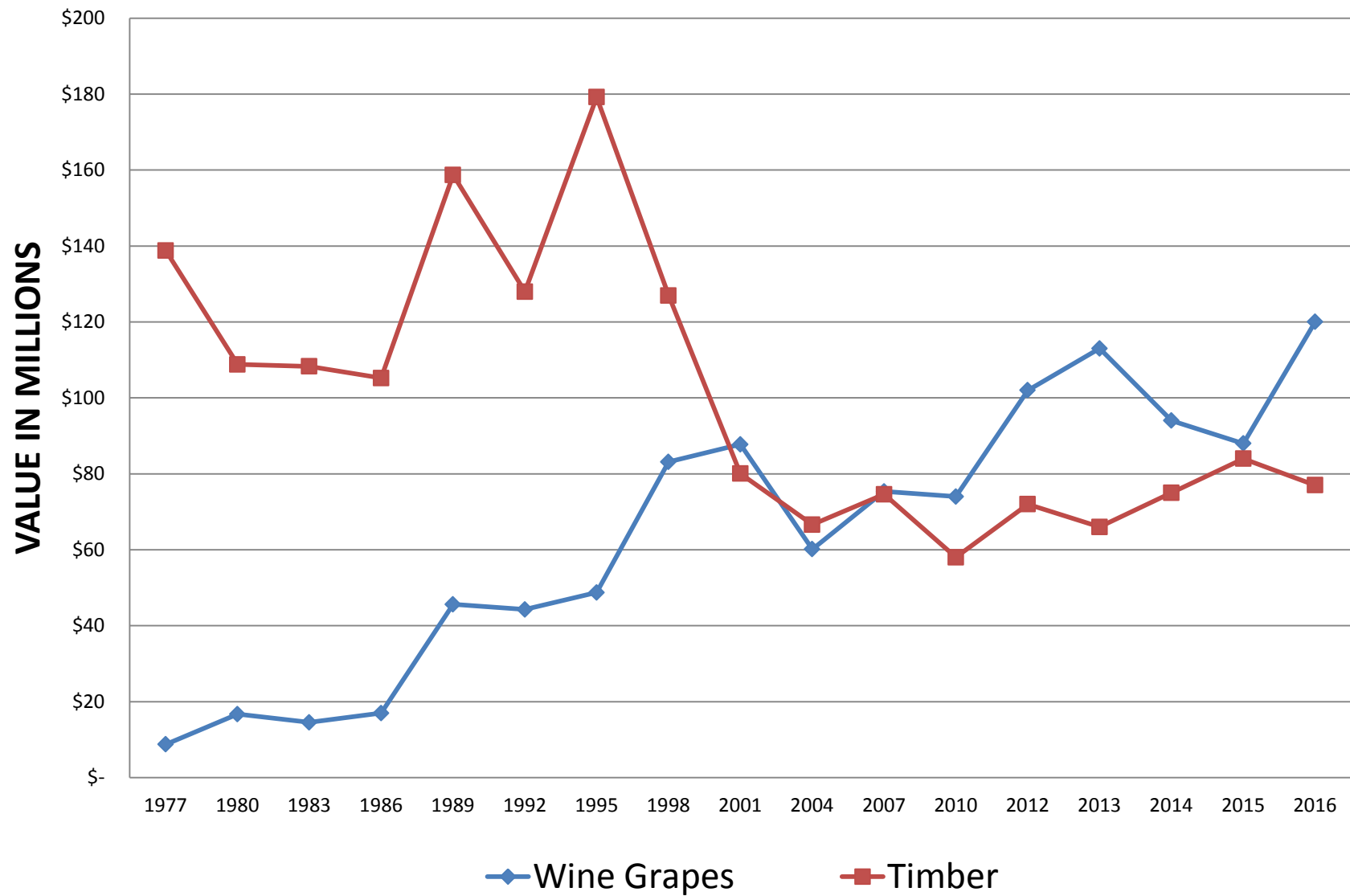
YEAR	FRUIT/ NUTS	LIVESTOCK PRODUCTION	LIVESTOCK AND POULTRY PRODUCTS	NURSERY PROD.	VEG PROD.	FIELD CROPS	TOTAL
2016	\$ 136,561,100	\$ 10,077,900	\$ 5,135,300	\$ 1,225,600	\$ 1,115,000	\$ 11,722,200	\$ 165,837,100
2015	\$ 106,933,400	\$ 11,792,400	\$ 5,519,500	\$ 1,577,300	\$ 1,150,000	\$ 11,137,500	\$ 138,110,100
2014	\$ 106,699,000	\$ 13,245,800	\$ 6,204,600	\$ 1,380,000	\$ 1,252,000	\$ 10,514,500	\$ 139,295,900
2013	\$ 127,883,400	\$ 9,962,700	\$ 5,299,400	\$ 1,457,600	\$ 1,200,000	\$ 10,828,300	\$ 156,631,400
2012	\$ 116,328,000	\$ 9,750,700	\$ 5,523,700	\$ 1,626,900	\$ 900,000	\$ 10,833,400	\$ 144,962,700



TOP TEN GRAPE VARIETY VALUES

VARIETY	Acres Bearing	Acres Total	TONS	VALUE PER TON	TOTAL VALUE
Chardonnay	4,345	4,719	30,151	\$1,266.89	\$38,198,000
Pinot Noir	2,611	2,720	9,758	\$2,997.15	\$29,246,190
Cabernet Sauvignon	2,598	2,892	10,865	\$1,923.71	\$20,901,109
Zinfandel	1,843	1,861	6,175	\$1,525.40	\$9,419,345
Merlot	1,412	1,412	5,968	\$1,192.42	\$7,116,363
Sauvignon Blanc	656	689	4,093	\$1,270.91	\$5,201,835
Petite Sirah	573	584	2,784	\$1,722.37	\$4,795,078
Syrah	658	658	2,177	\$1,348.68	\$2,936,076
Carignane	356	356	1,014	\$1,310.41	\$1,328,756
Gewurtzraminer	162	168	543	\$1,725.10	\$936,729

MENDOCINO COUNTY WINE GRAPE VALUE VS TIMBER VALUE



MENDOCINO COUNTY



2017 CROP REPORT

Harinder Grewal
Agricultural Commissioner
Sealer of Weights and Measures



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COUNTY OF MENDOCINO
DEPARTMENT OF AGRICULTURE
890 N Bush St.
Ukiah CA 95482

November 30, 2018

KAREN ROSS, SECRETARY
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE **and**

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In accordance with Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2017 annual crop report for Mendocino County. This report reflects the total **gross value** of agricultural commodities produced in the county and not the net returns for producers.

The total gross agricultural value for all commodities produced in 2017 was **\$268,692,700**, which represents a 10.8% increase compared to the 2016 value of **\$242,533,700**. The leading agricultural commodity continues to be wine grapes, at **\$120,080,200**. Agricultural production, excluding timber, totaled **\$166,692,700**. Timber represents the second highest value commodity, with a gross "at mill" value of **\$102,000,000**. Mendocino County ranked 4th in the state in timber volumes and produced roughly 7.6% of the state's total timber harvest in 2017.

The statewide increase in timber production, up 5%, correlates with the increased production of timber in Mendocino County. Higher timber prices as well as increased production, lead to a 33% increase in gross value, and the highest value since the year 2000. Pear production tons were slightly up, but were offset by lower prices, leading to a 2% decrease in overall value. Prices for fresh packed apples and juice remained high, but contracted tonnage amounts with the processors lead to a dramatic decrease in market value, **\$333,000**, down 35% from 2016.

Cattle inventories were up slightly, finally making some recovery after years of drought. A stable market price and more animals going to auction lead to a **\$9,113,400** production value, up 3% when compared to 2016. Decreased production in milk was easily offset by significantly higher returns, resulting in a slight increase in overall valuation compared to 2016.

I wish to express my sincere appreciation to the many producers and agencies that furnish the necessary information that makes this report possible. I would also like to thank the University of California Cooperative Extension and all the members of my staff, including Caralyn Gulseth, Matt Daugherty, Deanna Norton and Aaron Hult for their hard work, valuable input and assistance in producing this report.

Respectfully submitted,

Harinder Grewal
Agricultural Commissioner/Sealer of Weights and Measures

**MENDOCINO COUNTY
DEPARTMENT OF AGRICULTURE
ANNUAL CROP REPORT FOR 2017**

* * * * *

MENDOCINO COUNTY BOARD OF SUPERVISORS

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* * * * *

Department of Agriculture

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* Front cover photo credits go to Cassie Taaning

FRUIT AND NUT CROPS

COMMODITY	YEAR	BEARING ACREAGE	TONS PER ACRE	PRODUCTION IN TONS	\$ PER TON	VALUE
APPLES, TOTAL	2017	216	1.6	348	\$ 950 ⁽⁴⁾	\$ 333,000
	2016	216	2.2	479	\$ 1,076 ⁽⁴⁾	\$ 515,400
<i>Fresh</i>	2017			52	\$ 3,180	\$ 165,360
	2016			189	\$ 2,060	\$ 389,900
<i>Other</i>	2017			296	\$ 556	\$ 164,600
<i>(Dried, Juice, etc.)</i>	2016			290	\$ 434	\$ 125,900
WINE GRAPES, TOTAL	2017	16,443	4.3	70,802	\$ 1,696	\$ 120,080,200
	2016	16,375	4.8	77,984	\$ 1,542	\$ 120,251,300
<i>White</i>	2017	5,716	5.2	29,599		
<i>Varieties</i>	2016	5,667	6.6	37,172		
<i>Red</i>	2017	10,727	3.8	41,203		
<i>Varieties</i>	2016	10,708	3.8	40,812		
PEARS, TOTAL (1)	2017	1,263	18.9	23,863	\$ 610 ⁽⁴⁾	\$ 14,556,400
	2016	1,305	17.7	23,128	\$ 644 ⁽⁴⁾	\$ 14,894,400
<i>Bartlett (2)</i>	2017	1,111	19	21,168	\$ 519	\$ 10,896,200
	2016	1,153	19.1	20,649	\$ 564	\$ 11,666,700
<i>Canning</i>	2017			15,288	\$ 398	\$ 6,084,600
	2016			15,311	\$ 463	\$ 7,088,900
<i>Fresh (2)</i>	2017			5,010	\$ 942	\$ 4,719,400
	2016			4,067	\$ 1,145	\$ 4,656,700
<i>Other</i>	2017			870	\$ 168	\$ 146,200
<i>(Baby Food</i>	2016			1,271	\$ 260	\$ 213,200
<i>Dried, Paste)</i>						
<i>Bosc(2)</i>	2017	91	20.0	1,820	\$ 1,289	\$ 2,346,000
	2016	91	19.6	1,784	\$ 1,200	\$ 2,140,800
<i>Red (2)</i>	2017	61	14.3	875	\$ 1,501	\$ 1,313,400
	2016	61	11.4	695	\$ 1,490	\$ 1,035,600
MISC. TOTAL (3)	2017	245				\$ 950,000
	2016	249				\$ 900,000
TOTALS:	2017	18,185				\$ 135,919,600
	2016	18,145				\$ 136,561,100

(1) Does not include misc./other pears. See (3)

(2) The fresh values listed for pears are FOB values. The actual average prices paid per ton to the growers (farm gate values) for 2017 were: Bartlett \$443, Bosc \$525, and Reds \$500. for 2016 were: Bartlett \$443, Bosc \$525, and Reds \$500.

(3) Miscellaneous includes berries, cherries, chestnuts, olives, other pears, guava, peaches, persimmons, table grapes pistachios and walnuts

(4) Weighted average

Some Values throughout this report may not compute exactly due to computational rounding.

FRUIT, NUT, AND GRAPEVINE ACREAGE

CROP	ACRES BEARING	ACRES NON-BEARING	TOTAL
APPLES	216	0	216
WINE GRAPES, TOTAL	16,443	697	17,140
Red	10,727	424	11,151
White	5,716	273	5,989
OLIVES	115	5	120
PEARS, TOTAL	1,282	0	1,282
Bartlett	1,111	0	1,111
Red	61	0	61
Bosc	91	0	91
Other	19	0	19
WALNUTS, ENGLISH	24	0	24
MISCELLANEOUS*	85	0	85
TOTALS:	18,165	702	18,867

*Miscellaneous includes berries, cherries, chestnuts, guava, peaches, persimmons, pistachios, plums, and table grapes.



LIVESTOCK INVENTORIES

<u>COMMODITY</u>	<u>2017</u>	<u>2016</u>
All Cattle and Calves	17,000	16,800
Sheep and Lambs, all	10,400	10,000
Hogs and Pigs	800	850
Other Livestock*	4,100	4,400

*Other Livestock includes goats, bison, llama, poultry and rabbits

LIVESTOCK PRODUCTION

<u>COMMODITY</u>	<u>YEAR</u>	<u>NO. OF HEAD</u>	<u>TOTAL CWT** LIVE WT.</u>	<u>\$ PER</u>	<u>\$ VALUES</u>
CATTLE AND CALVES	2017	8,300	50,630	\$180	\$9,113,400
	2016	8,100	48,600	\$182	\$8,845,200
SHEEP AND LAMBS	2017	4,350	4,135	\$152	\$628,500
	2016	4,100	3,570	\$148	\$528,360
HOGS AND PIGS	2017	640	1,480	\$83	\$122,800
	2016	600	1,320	\$79	\$104,300
MISCELLANEOUS*	2017				\$550,000
	2016				\$600,000
TOTALS:	2017				\$10,414,700
	2016				\$10,077,860

*Miscellaneous includes goats, pigeons, poultry, rabbits, turkeys, bison and aquaculture (fish farms).

**CWT= 100 lbs.



LIVESTOCK AND POULTRY PRODUCTS

<u>COMMODITY</u>	<u>YEAR</u>	<u>PRODUCTION IN LBS.</u>	<u>PER UNIT</u>	<u>\$ VALUE</u>
MILK	2017	206,729 CWT.	\$18.39	\$3,801,750
	2016	233,593 CWT.	\$15.98	\$3,732,816
WOOL	2017	37,000 LB.	\$1.45	\$53,650
	2016	35,000 LB.	\$1.50	\$52,500
MISCELLANEOUS*	2017			\$1,400,000
	2016			\$1,350,000
TOTALS:	2017			\$5,255,400
	2016			\$5,135,316

*Miscellaneous includes apiary, eggs, emus, cheese, manure, and ostriches.

NURSERY PRODUCTION

<u>COMMODITY</u>	<u>YEAR</u>	<u>GREENHOUSE SQUARE FEET</u>	<u>FIELD ACRES</u>	<u>\$ VALUES</u>
Nursery*	2017	59,000	23	\$1,545,500
	2016	62,000	23	\$1,208,175
Christmas Trees	2017	N/A	N/A	\$18,500
	2016	N/A	N/A	\$17,400
TOTALS	2017	59,000	23	\$1,564,000
	2016	62,000	23	\$1,225,575

*Includes turf and cut flowers



VEGETABLE CROPS

	<u>YEAR</u>	<u>ACRES</u>	<u>\$ VALUES</u>
Miscellaneous Vegetables*	2017	335	\$1,085,000
	2016	340	\$1,115,000

*Includes beans, sweet corn, garlic, herbs, melons, peas, potatoes, squash, tomatoes, etc.

FIELD CROPS

<u>COMMODITY</u>	<u>YEAR</u>	<u>ACRES</u>	<u>YIELD/ ACRE</u>	<u>TOTAL YIELD</u>	<u>PER AUM</u>	<u>\$ VALUES</u>
IRRIGATED PASTURE	2017	3,500	9.00 AUM*	31,500	\$28.00	\$882,000
	2016	3,500	9.00 AUM*	31,500	\$27.00	\$850,500
PASTURE, other (grassland, coast bench)	2017	363,000	1.05 AMU*	381,150	\$15.00	\$5,717,250
	2016	363,000	1.03 AUM*	373,890	\$14.00	\$5,234,500
RANGE	2017	355,000	.70 AUM*	248,500	\$13.50	\$3,354,750
	2016	355,000	.67 AUM*	237,850	\$12.50	\$2,937,200
MISCELLANEOUS**	2017					\$2,500,000
	2016					\$2,700,000
TOTALS:	2017					\$12,454,000
	2016					\$11,722,200

*AUM means Animal Unit Month (food required to feed a 1,000 pound steer for one month).

**Miscellaneous includes alfalfa, barley, beans, corn, hay and oats.

FOREST PRODUCTS

TIMBER	2017	2016
Log Production (board feet)	120,460,000	106,727,000
Total Stumpage Value, net	\$60,268,820	\$39,342,167
Total Value at Mill, gross	\$102,000,000	\$76,696,600

- 1) Calendar year 2017 showed an increase (Approx.13%) in timber harvest volume when compared to 2016.
- 2) The average price for stumpage based on the information provided by the Board of Equalization is approximately **\$500/mbf** for reported timber harvested in Mendocino County.
- 3) Stumpage values were slightly higher - **\$500/mbf** for 2017 compared to \$368/mbf for 2016.
- 4) The combined value of delivered value at the mill includes both stumpage (\$500/mbf) and logging and hauling costs (approx. \$350/mbf) for a total value of \$850/mbf = **\$102,000,000**.
- 5) Mendocino County produced approximately 7.6% of the total timber produced in the state in 2017.
- 6) The State's reported total timber harvest volume for 2017 = 1,578,441 mbf. Compared to 2016 (1,502,874 mbf) represents roughly a 5% increase in total state harvest volume.
- 7) Mendocino County ranked 4th in the state in timber volumes for 2017. The top ranking counties in 2017 were Humboldt, Siskiyou, Shasta, Mendocino and Plumas.

Data based on information from Gregory A. Giusti, U.C. Cooperative Extension.

10 YEAR COMPARISON (LOG PRODUCTION)

<u>YEAR</u>	<u>Log Production (Board Feet)</u>	<u>Value at Mill (Gross)</u>
2017	120,460,000	\$102,000,000
2016	106,727,000	\$76,696,600
2015	121,701,000	\$83,730,300
2014	115,197,000	\$74,980,000
2013	111,574,000	\$66,051,800
2012	121,850,000	\$71,587,951
2011	89,795,000	\$59,085,110
2010	94,724,000	\$57,673,418
2009	43,801,000	\$25,448,400
2008	92,652,000	\$67,004,000



SUSTAINABLE AGRICULTURE

ORGANIC ACRES

Beginning January 1, 2017, changes to the Organic Food and Farming Act no longer require organic registrants in California to provide detailed commodity information and acreage to the state upon initial registration or during renewal. Before these changes, the state and its counties had been collecting detailed information on specific crop commodities, their acreage, and associated value. This allowed counties to evaluate the contribution of organic agriculture to the overall county economy and to ascertain the ratio of organic to conventional acreage. The total production acreage is now reported by registrant rather than by commodity. Due to these changes, the Department can only report on the total organic acreage farmed in Mendocino County. We have **126** organic registrants farming approximately **14,000 acres**. It is important to note that the acreage number may be inflated due to multiple commodities being registered per parcel.

For more information on the Organic Food and Farming Act, please visit the California Department of Food and Agriculture's State Organic Program website at www.cdfa.ca.gov/is/i_&_c/organic.html.

PEST EXCLUSION

Parcel Post & Truck Shipment Inspections

SHIPMENTS INSPECTED	EXOTIC PESTS INTERCEPTED	SHIPMENTS REJECTED
1,397	3	7

BIOLOGICAL CONTROL

BIO-CONTROL AGENT	SCOPE OF PROGRAM
Bull Thistle Gall Fly.....	3 Sites
Gorse Weevil.....	Generally Distributed
Gorse Spider Mite.....	Generally Distributed
Italian Thistle Seed Head Weevil.....	Widely Distributed
Klamath Weed Beetles.....	Widely Distributed
Klamath Weed Root Borers.....	Widely Distributed
Puncture Vine Seed Weevil.....	Generally Distributed
Puncture Vine Stem Weevil.....	Generally Distributed
Tansy Ragwort Cinnabar Moth.....	Established
Tansy Ragwort Flea Beetle.....	Established
Yellow Starthistle Seed Head Weevil.....	Widely Distributed
Yellow Starthistle Gall Forming Fly.....	Widely Distributed
Yellow Starthistle Hairy Weevil.....	Generally Distributed
Yellow Starthistle Peacock Fly.....	Widely Distributed

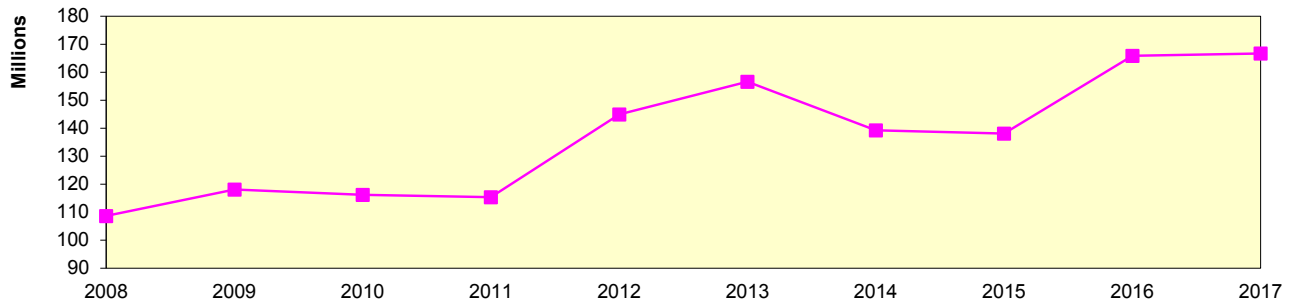


Gorse Seed Weevil
Image by George Markin, USDA
Forest Service, Bugwood.org



False Peacock Fly
Image by Mark Schwarzlander,
University of Idaho, Bugwood.org

VALUE OF MENDOCINO COUNTY AGRICULTURE (EXCLUDING TIMBER) 2008-2017



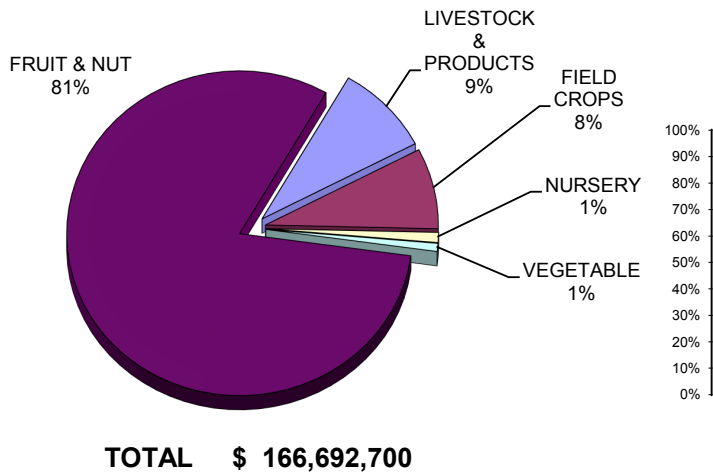
MILLION DOLLAR CROPS

WINE GRAPES	\$ 120,080,200
TIMBER	\$ 102,000,000
BARTLETT PEARS	\$ 14,556,400
CATTLE & CALVES	\$ 9,113,400
PASTURE	\$ 5,717,250
MILK	\$ 3,801,746
NURSERY	\$ 1,564,000

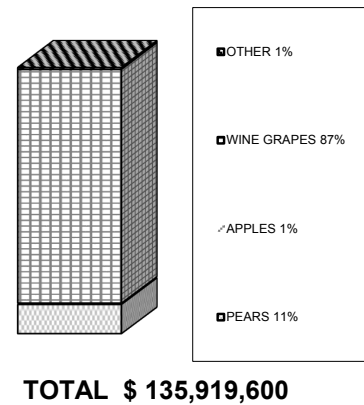


SHARES OF AGRICULTURAL VALUE

ALL AGRICULTURE (EXCLUDING TIMBER)



FRUIT & NUT CROPS



SUMMARY OF PRODUCTION

<u>COMMODITY</u>	<u>2017</u>	<u>2016</u>
FRUITS AND NUTS	\$ 135,919,600	\$ 136,561,100
LIVESTOCK PRODUCTION	\$ 10,414,700	\$ 10,077,900
LIVESTOCK AND POULTRY PRODUCTS	\$ 5,255,400	\$ 5,135,300
NURSERY PRODUCTION	\$ 1,564,000	\$ 1,225,600
VEGETABLE CROPS	\$ 1,085,000	\$ 1,115,000
FIELD CROPS	\$ 12,454,000	\$ 11,722,200
FOREST PRODUCTS	\$ 102,000,000	\$ 76,696,600
TOTALS:	\$ 268,692,700	\$ 242,533,700

SUPPLEMENT TO CROP REPORT: COMMERCIAL FISH CATCH

COMMODITY	TOTAL LBS	TOTAL VALUE
CRAB, DUNGENESS	1,411,255	\$ 4,553,627
SABLEFISH	1,034,102	\$ 2,400,724
SALMON, CHINOOK	40,114	\$ 373,627
SEA URCHIN, RED	458,950	\$ 477,608
SOLE, DOVER	761,769	\$ 335,280
SOLE, PETRALE	270,753	\$ 349,179
THORNYHEAD, SHORTSPINE	151,845	\$ 159,692
THORNYHEAD, LONGSPINE	487,670	\$ 149,300
HAGFISH	144,498	\$ 129,728
LINGCOD	75,669	\$ 129,663
MICELLANEOUS	480,125	\$ 450,735
TOTALS:	5,316,750	\$ 9,509,163



COMMERCIAL FISH CATCH TEN YEAR VALUE COMPARISON

YEAR	POUNDS	VALUE
2017	5,316,750	\$ 9,509,163
2016	4,255,270	\$ 7,664,567
2015	6,626,041	\$ 11,174,296
2014	8,857,427	\$ 14,356,515
2013	10,278,045	\$ 17,280,900
2012	8,884,029	\$ 15,680,257
2011	8,187,209	\$ 12,438,515
2010	7,784,183	\$ 7,691,243
2009	8,172,353	\$ 7,434,164
2008	7,203,296	\$ 7,112,954

Source - State of California Department of Fish and Game
All figures are rounded - figures are preliminary

UKIAH 100 YEAR RAINFALL DATA (FROM UKIAH FIRE DEPARTMENT RECORDS)

<u>SEASON</u>	<u>TOTAL</u>	<u>SEASON</u>	<u>TOTAL</u>	<u>SEASON</u>	<u>TOTAL</u>
1914-15	49.28	1954-55	25.63	1994-95	58.88
1915-16	34.80	1955-56	51.09	1995-96	44.10
1916-17	30.23	1956-57	32.36	1996-97	39.07
1917-18	23.43	1957-58	58.87	1997-98	63.95
1918-19	37.23	1958-59	26.42	1998-99	34.77
1919-20	19.05	1959-60	32.60	1999-00	33.81
1920-21	47.94	1960-61	34.89	2000-01	26.68
1921-22	28.74	1961-62	31.46	2001-02	31.74
1922-23	30.35	1962-63	44.45	2002-03	49.70
1923-24	16.19	1963-64	24.96	2003-04	38.99
1924-25	47.44	1964-65	50.84	2004-05	41.46
1925-26	26.33	1965-66	35.46	2005-06	60.39
1926-27	47.32	1966-67	43.16	2006-07	26.15
1927-28	34.94	1967-68	32.95	2007-08	31.64
1928-29	24.44	1968-69	51.28	2008-09	22.68
1929-30	31.08	1969-70	48.71	2009-10	40.51
1930-31	20.06	1970-71	38.31	2010-11	42.78
1931-32	27.67	1971-72	25.61	2011-12	23.50
1932-33	24.71	1972-73	42.09	2012-13	24.05
1933-34	25.21	1973-74	57.09	* 2013-14	28.86
1934-35	33.05	1974-75	38.60	2014-15	26.75
1935-36	37.83	1975-76	18.75	2015-16	35.05
1936-37	29.24	1976-77	14.20	2016-17	51.65
1937-38		1977-78	53.66		
1938-39	22.86	1978-79	30.23		
1939-40	41.01	1979-80	44.79		
1940-41	56.92	1980-81	26.82		
1941-42	48.21	1981-82	55.82		
1942-43	40.41	1982-83	70.19		
1943-44	26.19	1983-84	43.76		
1944-45	31.74	1984-85	27.40		
1945-46	36.11	1985-86	48.68		
1946-47	25.90	1986-87	25.25		
1947-48	32.93	1987-88	30.22		
1948-49	27.53	1988-89	31.48		
1949-50	29.75	1989-90	26.91		
1950-51	42.28	1990-91	26.00		
1951-52	47.74	1991-92	31.38		
1952-53	45.06	1992-93	50.49		
1953-54	35.74	1993-94	23.73		

FISCAL YEAR DATA

*Starting water year 2013-2014 (October 1 - September 30), data source changed from Ukiah Fire Department records to Ukiah Municipal Airport readings.

FIVE YEAR VALUE COMPARISON

****ALL COMMODITIES****

YEAR	FRUIT/ NUTS	LIVESTOCK PRODUCTION	LIVESTOCK AND POULTRY PRODUCTS	NURSERY PROD.	VEG PROD.	FIELD CROPS	TOTAL
2017	\$ 135,919,600	\$ 10,414,700	\$ 5,255,400	\$ 1,564,000	\$ 1,085,000	\$ 12,454,000	\$ 166,692,700
2016	\$ 136,561,100	\$ 10,077,900	\$ 5,135,300	\$ 1,225,600	\$ 1,115,000	\$ 11,722,200	\$ 165,837,100
2015	\$ 106,933,400	\$ 11,792,400	\$ 5,519,500	\$ 1,577,300	\$ 1,150,000	\$ 11,137,500	\$ 138,110,100
2014	\$ 106,699,000	\$ 13,245,800	\$ 6,204,600	\$ 1,380,000	\$ 1,252,000	\$ 10,514,500	\$ 139,295,900
2013	\$ 127,883,400	\$ 9,962,700	\$ 5,299,400	\$ 1,457,600	\$ 1,200,000	\$ 10,828,300	\$ 156,631,400



TOP TEN GRAPE VARIETY VALUES

VARIETY	Acres Bearing	Acres Total	TONS	VALUE PER TON	TOTAL VALUE
Pinot Noir	2,650	2,726	9,726	\$3,269.00	\$31,794,294
Chardonnay	4,407	4,635	23,292	\$1,331.00	\$31,001,652
Cabernet Sauvignon	2,674	2,960	10,865	\$2,197.00	\$23,870,405
Zinfandel	1,805	1,832	6,333	\$1,679.00	\$10,633,107
Merlot	1,407	1,408	5,298	\$1,346.00	\$7,131,108
Sauvignon Blanc	648	689	3,540	\$1,345.00	\$4,761,300
Petite Sirah	572	579	2,317	\$1,791.37	\$4,150,604
Syrah	608	610	2,207	\$1,541.00	\$3,400,987
Carignane	353	353	1,064	\$1,385.08	\$1,473,725
Gewurztraminer	158	161	535	\$1,935.06	\$1,035,257