

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.

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CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE **and**

August 1, 2016

THE HONORABLE BOARD OF SUPERVISORS OF MENDOCINO COUNTY

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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

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CHUCK MORSE




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JENNIFER KRAUSS	Office Manager
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Ray Hall	Bill Kubran
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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

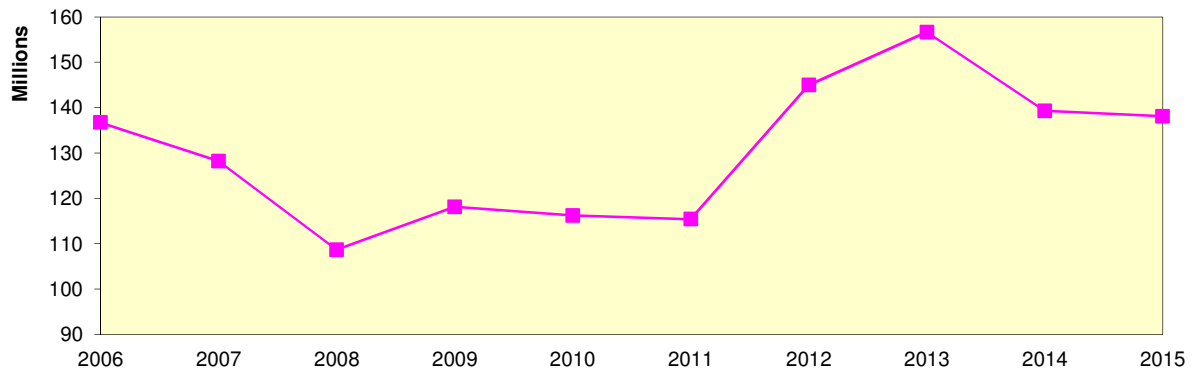


Gorse Seed Weevil
Image by George Markin, USDA
Forest Service, Bugwood.org



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

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



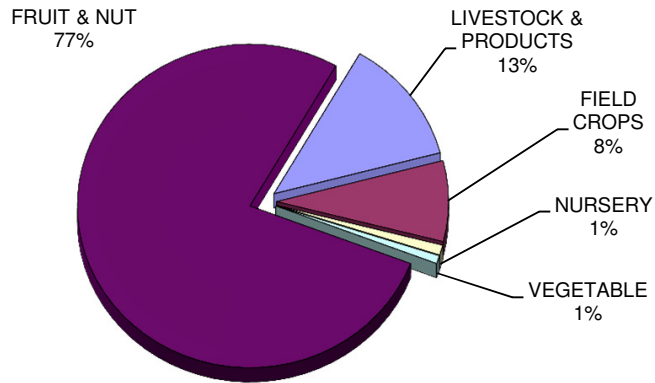
MILLION DOLLAR CROPS

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



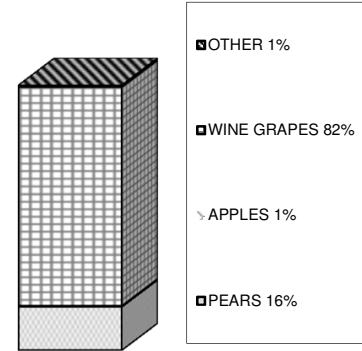
SHARES OF AGRICULTURAL VALUE

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

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

