

MENDOCINO COUNTY



2018 CROP REPORT

Jim Donnelly
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Sealer of Weights and Measures



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COUNTY OF MENDOCINO
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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 2018 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 2018 was **\$320,810,620**, which represents a 15.8% increase compared to the 2017 value of **\$276,998,150**. The leading agricultural commodity continues to be wine grapes, at **\$137,952,282**. Agricultural production, excluding timber, totaled **\$188,294,360**. Timber represents the second highest value commodity, with a gross "at mill" value of **\$132,516,260**, a 30% increase over the previous year's total of **\$102,000,000**. Mendocino County ranked 4th in the state in timber volumes and produced roughly 8.7% of the state's total timber harvest in 2018.

Continued high demand and increased prices for timber led to a 30% increase in gross value over the previous year. Pear production tons were slightly down, as were prices, leading to a nearly 8% decrease in overall value. Apple prices were down significantly, but increased demand for fresh packed apples and juice lead to a modest 4.8% increase in total market value.

Cattle inventories were revised based off figures taken from the 2017 National Census of Agriculture. The new numbers show a sharp increase in cattle in the last five years. New production values were calculated to be **\$17,410,000** in 2018. Milk production values were not available due to the State switched over to a new Federal Marketing system. Historical values for milk production are usually between \$3 and \$4 million.

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,

Jim Donnelly
Agricultural Commissioner/Sealer of Weights and Measures

**MENDOCINO COUNTY
DEPARTMENT OF AGRICULTURE
ANNUAL CROP REPORT FOR 2018**

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Ray Hall	Bill Kubran
Dennis Winchester	Kirk Van Patten

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

FRUIT AND NUT CROPS

COMMODITY	YEAR	BEARING ACREAGE	TONS PER ACRE	PRODUCTION IN TONS	\$ PER TON	VALUE
APPLES, TOTAL	2018	216	1.9	413	\$ 845 ⁽⁴⁾	\$ 349,000
	2017	216	1.6	348	\$ 950 ⁽⁴⁾	\$ 333,000
<i>Fresh</i>	2018			104	\$ 2,195	\$ 228,280
	2017			52	\$ 3,180	\$ 165,360
<i>Other</i>	2018			309	\$ 380	\$ 117,400
<i>(Dried, Juice, etc.)</i>	2017			296	\$ 556	\$ 164,600
WINE GRAPES, TOTAL	2018	16,733	4.9	81,888	\$ 1,685	\$ 137,952,282
	2017	16,443	4.3	70,802	\$ 1,696	\$ 120,080,200
<i>White</i>	2018	5,693	5.9	33,693		
<i>Varieties</i>	2017	5,716	5.2	29,599		
<i>Red</i>	2018	11,040	4.4	48,195		
<i>Varieties</i>	2017	10,727	3.8	41,203		
PEARS, TOTAL (1)	2018	1,168	19.2	22,467	\$ 596 ⁽⁴⁾	\$ 13,390,300
	2017	1,263	18.9	23,863	\$ 610 ⁽⁴⁾	\$ 14,556,400
<i>Bartlett (2)</i>	2018	1,027	18.9	19,433	\$ 533 ⁽⁴⁾	\$ 10,357,800
	2017	1,111	19	21,168	\$ 519 ⁽⁴⁾	\$ 10,896,200
<i>Canning</i>	2018			13,869	\$ 427	\$ 5,922,063
	2017			15,288	\$ 398	\$ 6,084,600
<i>Fresh (2)</i>	2018			4,875	\$ 871	\$ 4,246,125
	2017			5,010	\$ 942	\$ 4,719,400
<i>Other</i>	2018			689	\$ 295	\$ 203,300
<i>(Baby Food</i>	2017			870	\$ 168	\$ 146,200
<i>Dried, Paste)</i>						
<i>Bosc(2)</i>	2018	89	21.2	1,890	\$ 920	\$ 1,738,800
	2017	91	20.0	1,820	\$ 1,289	\$ 2,346,000
<i>Red (2)</i>	2018	52	18.2	946	\$ 1,288	\$ 1,218,400
	2017	61	14.3	875	\$ 1,501	\$ 1,313,400
MISC. TOTAL (3)	2018	240				\$ 940,000
	2017	245				\$ 950,000
TOTALS:	2018	18,357				\$ 152,631,600
	2017	18,185				\$ 135,919,600

(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 2018 were: Bartlett \$397, Bosc \$237, and Reds \$380.
for 2017 were: Bartlett \$372, Bosc \$517, and Reds \$526.

(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	16,733	779	17,512
Red	11,040	546	11,586
White	5,693	233	5,926
OLIVES	118	5	123
PEARS, TOTAL	1,183	0	1,183
Bartlett	1,027	0	1,027
Red	52	0	52
Bosc	89	0	89
Other	15	0	15
WALNUTS, ENGLISH	24	0	24
MISCELLANEOUS*	83	0	83
TOTALS:	18,357	784	19,141

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



LIVESTOCK INVENTORIES

<u>COMMODITY</u>	<u>2018</u>	<u>2017</u>
All Cattle and Calves	26,000*	26,000 (1)
Sheep and Lambs, all	7,100	7,200 (1)
Hogs and Pigs	420	400 (1)
Other Livestock**	4,200	4,100

*Number of head as of January 1, 2019

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

(1) Revised figure.

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	2018	18,600	120,900	\$144	\$17,410,000
	2017	18,800	122,200	\$144	\$17,600,000
SHEEP AND LAMBS	2018	3,000	3,300	\$146	\$481,000
	2017	2,900	3,200	\$142	\$454,000
HOGS AND PIGS	2018	440	1,100	\$78	\$85,800
	2017	430	1,080	\$75	\$81,000
MISCELLANEOUS*	2018				\$520,000
	2017				\$600,000
TOTALS:	2018				\$18,496,800
	2017				\$18,735,000

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

**CWT= 100 lbs.

(1) Revised figure.



LIVESTOCK AND POULTRY PRODUCTS

<u>COMMODITY</u>	<u>YEAR</u>	<u>PRODUCTION IN LBS.</u>	<u>PER UNIT</u>	<u>\$ VALUE</u>
MILK	2018	**	**	**
	2017	206,729 CWT.	\$18.39	\$3,801,750
WOOL	2018	30,000 LB.	\$1.30	\$39,000
	2017	31,000 LB.	\$1.25	\$38,800
MISCELLANEOUS*	2018			\$1,350,000
	2017			\$1,400,000
TOTALS:	2018			\$1,389,000
	2017			\$5,240,550

*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*	2018	59,000	23	\$1,600,000
	2017	59,000	23	\$1,545,500
Christmas Trees	2018	N/A	N/A	\$19,000
	2017	N/A	N/A	\$18,500
TOTALS	2018	59,000	23	\$1,619,000
	2017	59,000	23	\$1,564,000

*Includes turf and cut flowers



VEGETABLE CROPS

	<u>YEAR</u>	<u>ACRES</u>	<u>\$ VALUES</u>
Miscellaneous Vegetables*	2018	335	\$1,120,000
	2017	335	\$1,085,000

*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	2018	3,500	9.00 AUM*	31,500	\$30.00	\$945,000
	2017	3,500	9.00 AUM*	31,500	\$28.00	\$882,000
PASTURE, other (grassland, coast bench)	2018	363,000	1.07 AUM*	388,410	\$16.00	\$6,214,560
	2017	363,000	1.05 AUM*	381,150	\$15.00	\$5,717,250
RANGE	2018	355,000	0.72 AUM*	255,600	\$14.00	\$3,578,400
	2017	355,000	.70 AUM*	248,500	\$13.50	\$3,354,750
MISCELLANEOUS**	2018					\$2,300,000
	2017					\$2,700,000
TOTALS:	2018					\$13,037,960
	2017					\$12,654,000

*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	2018	2017
Log Production (board feet)	137,465,000	120,460,000
Total Stumpage Value, net	\$84,387,244	\$60,268,820
Total Value at Mill, gross	\$132,516,260	\$102,000,000

- 1) Calendar year 2018 showed an increase (Approx. 14%) in timber harvest volume when compared to 2017.
- 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 - **\$614/mbf** for 2018 compared to \$500/mbf for 2017.
- 4) The combined value of delivered value at the mill includes both stumpage (\$614/mbf) and logging and hauling costs (approx. \$350/mbf) for a total value of \$964/mbf = **\$132,516,260**.
- 5) Mendocino County produced approximately 8.7% of the total timber produced in the state in 2018.
- 6) The State's reported total timber harvest volume for 2018 = 1,579,993 mbf. Compared to 2017 (1,578,441 mbf) represents roughly a 0.1% increase in total state harvest volume.
- 7) Mendocino County ranked 4th in the state in timber volumes for 2018. The top ranking counties in 2018 were Humboldt, Siskiyou, Shasta, Mendocino and El Dorado.

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>
2018	137,465,000	\$132,516,260
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.cdffa.ca.gov/is/i_&_c/organic.html.

PEST EXCLUSION

Parcel Post & Truck Shipment Inspections

SHIPMENTS INSPECTED	EXOTIC PESTS INTERCEPTED	SHIPMENTS REJECTED
1,287	4	8

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

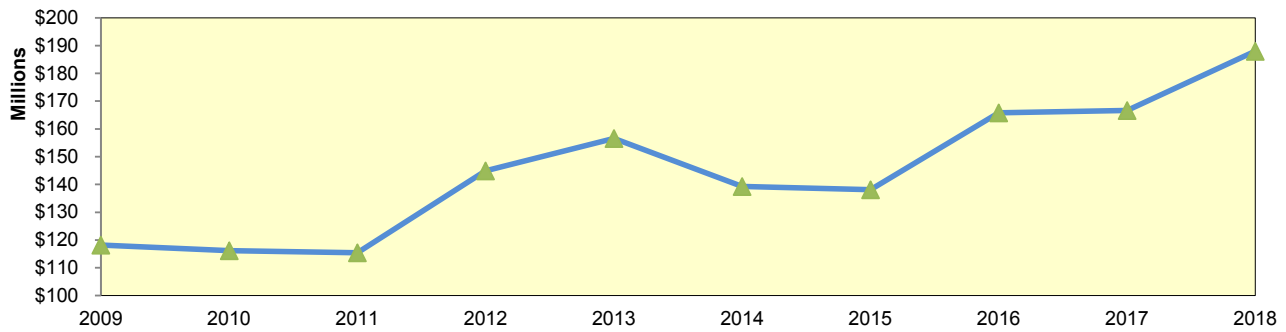


Gorse Seed Weevil
Image by George Markin, USDA
Forest Service, Bugwood.org



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

VALUE OF MENDOCINO COUNTY AGRICULTURE (EXCLUDING TIMBER) 2009-2018



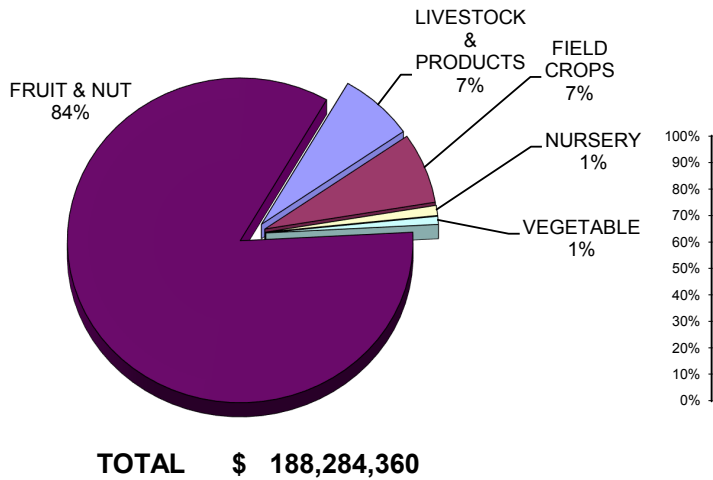
MILLION DOLLAR CROPS

WINE GRAPES	\$ 137,952,282
TIMBER	\$ 132,516,260
CATTLE & CALVES	\$ 18,496,800
PEARS	\$ 13,390,300
COMMERCIAL FISHING	\$ 9,322,768
PASTURE	\$ 6,214,560
RANGELAND	\$ 3,578,400
NURSERY	\$ 1,600,000

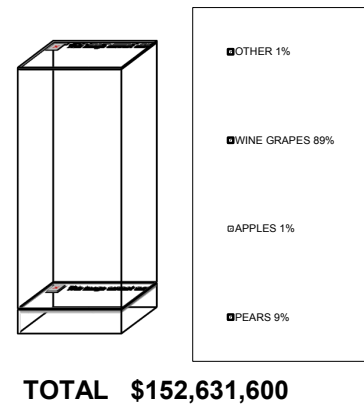


SHARES OF AGRICULTURAL VALUE

ALL AGRICULTURE (EXCLUDING TIMBER)



FRUIT & NUT CROPS



SUMMARY OF PRODUCTION

<u>COMMODITY</u>	<u>2018</u>	<u>2017</u>
FRUITS AND NUTS	\$ 152,631,600	\$ 135,919,600
LIVESTOCK PRODUCTION	\$ 18,496,800	\$ 18,735,000 **
LIVESTOCK AND POULTRY PRODUCTS	\$ 1,389,000 *	\$ 5,240,550
NURSERY PRODUCTION	\$ 1,619,000	\$ 1,564,000
VEGETABLE CROPS	\$ 1,120,000	\$ 1,085,000
FIELD CROPS	\$ 13,037,960	\$ 12,454,000
FOREST PRODUCTS	\$ 132,516,260	\$ 102,000,000
TOTALS:	\$ 320,810,620	\$ 276,998,150 **

*Milk production values were not available at the time of publication so were not included in the total.

**Revised figure.

SUPPLEMENT TO CROP REPORT: COMMERCIAL FISH CATCH

COMMODITY	TOTAL LBS	TOTAL VALUE
CRAB, DUNGENESS	1,583,999	\$ 5,217,177
SABLEFISH	850,460	\$ 1,306,999
SALMON, CHINOOK	144,158	\$ 1,003,723
SEA URCHIN, RED	456,855	\$ 242,628
LINGCOD	109,467	\$ 271,172
SOLE, PETRALE	172,841	\$ 209,635
HAGFISH	229,441	\$ 193,768
SOLE, DOVER	370,978	\$ 174,598
THORNYHEAD, SHORTSPINE	152,050	\$ 161,025
ROCKFISH, BOCACCIO	210,762	\$ 106,549
MICELLANEOUS	477,193	\$ 435,494
TOTALS:	4,758,204	\$ 9,322,768



COMMERCIAL FISH CATCH TEN YEAR VALUE COMPARISON

YEAR	POUNDS	VALUE
2018	4,758,204	\$ 9,322,768
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

Source - State of California Department of Fish and Wildlife
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	2017-18	23.68
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
2018	\$ 152,631,600	\$ 18,496,800	\$ 1,389,000*	\$ 1,619,000	\$ 1,120,000	\$ 13,037,960	\$ 188,294,360
2017	\$ 135,919,600	\$ 18,735,000	\$ 5,255,400	\$ 1,564,000	\$ 1,085,000	\$ 12,454,000	\$ 175,013,000
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



TOP TEN GRAPE VARIETY VALUES

VARIETY	Acres Bearing	Acres Total	TONS	VALUE PER TON	TOTAL VALUE
Chardonnay	4,388	4,571	26,768	\$1,293.00	\$34,611,024
Pinot Noir	2,683	2,788	10,941	\$3,092.00	\$33,829,263
Cabernet Sauvignon	2,807	3,171	14,723	\$2,205.00	\$32,464,215
Zinfandel	1,793	1,839	7,077	\$1,696.00	\$12,001,744
Merlot	1,355	1,357	6,295	\$1,353.00	\$8,517,541
Sauvignon Blanc	652	691	4,006	\$1,364.00	\$5,463,638
Petite Sirah	577	585	2,737	\$1,777.00	\$4,863,649
Syrah	582	584	2,441	\$1,580.00	\$3,857,096
Carignane	345	345	1,389	\$1,385.08	\$1,923,876
Gewurztraminer	159	159	522	\$2,029.00	\$1,059,138

*Milk production values were not available at the time of publication so were not included in the total.