

Agricultural Crop Report

SONOMA COUNTY

1994



Dedicated to
FOOD FOR THOUGHT
Lessons from the Land
Agriculture & Conservation
Curriculum Guide-Grades 3-6

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OFFICE OF THE AGRICULTURAL COMMISSIONER

Henry Voss, Secretary - California Department of Food and Agriculture
and the

April, 1995

Sonoma County Board of Supervisors:

Ernie Carpenter, Chairman - District 5

Michael J. Cale, District 1

Tim Smith, District 3

Jim Harberson, District 2

Paul L. Kelley, District 4

Agriculture is the glue that holds the fabric of our beautiful countryside together. Without an economically successful agricultural industry, our land would likely take on a substantially different and less desirable character. Yet, too often we forget that it is *agriculture* that provides us the pastoral beauty and it is *agriculture* which provides the backbone of our economic strength. This annual report is but one indicator of Sonoma County's agricultural strength.

This year's report is dedicated to the effort of many individuals who wish to educate Sonoma County's youth regarding the wonders and complexities of agriculture. For it is our youth that will forge our future, and their understanding of agriculture is essential for the sustainability of the industry. Many industry leaders and interested organizations came together to produce a wonderful teaching aid titled, "Food For Thought, Lessons From The Land". We salute their effort and look forward to reaping the benefits of their lessons.

The total value of Sonoma County agricultural production for 1994 was the largest ever. Contributing to the record value of \$339,228,800 was the largest and most valuable wine grape crop ever delivered, coupled with the largest valued milk production in the history of Sonoma County. These two commodities accounted for 67% of grower returns. Other products that fared well in 1994 included: Vegetables which were up more than \$3 million; Field Crops increased over \$2 million; Grapevine production was up nearly \$2 million; Turkeys up \$1 million; while Apples, Ornamentals and Cut Flowers also posted notable increases. Although 1994 was a record year, a number of commodities experienced decreases in value including Hogs, certain Nursery Products, Prunes and Honey.

Wine Grape production which surpassed Milk for the first time in 1989 continues to be the highest grossing crop, despite the continuing impacts of phylloxera. Vineyard replantings of premium varieties utilizing phylloxera resistant rootstock, coupled with the use of more productive trellis systems, have propelled Sonoma County into the lead as the most productive premium varietal wine grape county on the North Coast. Milk production remains solidly in second place as increases in herd size and more productive animals have increased milk volume, with slight increases in value. Apple production increased by 27,000 tons over the 1993 harvest, but unit value was down \$57/ton resulting in only a slight increase in total value. Vegetables again increased in value as Sonoma County's produce continues to command higher prices. Nursery totals increased with gains noted in grapevine production, ornamentals and cut flowers. Turkey values rebounded as growers realized an increase of \$.25/lb.

This record year is a "lesson from the land", in that our agricultural industry's success can fluctuate dramatically from year to year. Growers in 1994 produced \$15 million more than the previous record which was set in 1991. It is the County's farmers and ranchers themselves that provide a substantial amount of the information necessary to produce this report. Users of this report are reminded the values listed (rounded to the nearest hundred dollars) indicate gross production and are not meant to reflect or infer net farm income.

I wish to thank all the hard-working growers and ranchers, along with many other individuals and agencies who provided information for this report. Special recognition goes to Bonnie Sallee whose dedication to compiling this report is reflected in its usefulness.

Respectfully submitted,

Eric Lauritzen

Agricultural Commissioner

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Our cover this year honors the efforts of Sonoma County Agriculturists, Conservationists and Educators in producing material that will expand the knowledge of our children about the land they will inherit. 4-H Advisor, Dan Desmond explains that effort below.

FOOD FOR THOUGHT

Lessons From The Land

In the fall of 1989, the National Academy of Sciences published a report entitled "Understanding Agriculture - New Directions for Education," in which they found that most people do not have a clear understanding of agriculture. Their definition of agricultural literacy included the following:

An agriculturally literate person's understanding of the food and fiber system includes its history and current economic, social and environmental significance to all Americans. This definition encompasses some knowledge of food and fiber production, processing, domestic and international marketing.

The report spurred several researchers to study the need in California schools (Rilla et al.). Their findings, published in 1990, had encouraging news. The survey results indicated that educators believe agricultural literacy is an important element of a complete education, and that they feel it would be best incorporated at the fourth through sixth grade levels through integration into the science and social studies curriculum.

In the summer of 1993, the Sonoma County Coordinating Council for Agriculture and Conservation Education chose to adapt the highly successful FOOD FOR THOUGHT project developed by the University of California Cooperative Extension office in Marin County. The Coordinating Council, under the project direction of Saralee McClelland Kunde and Ellie Rilla, raised over \$25,000 to fund this adaptation which was coordinated through the Sonoma County U.C.C.E. office.

"FOOD FOR THOUGHT, Lessons From the Land" represents an exciting 3 - 6 grade curriculum which includes:

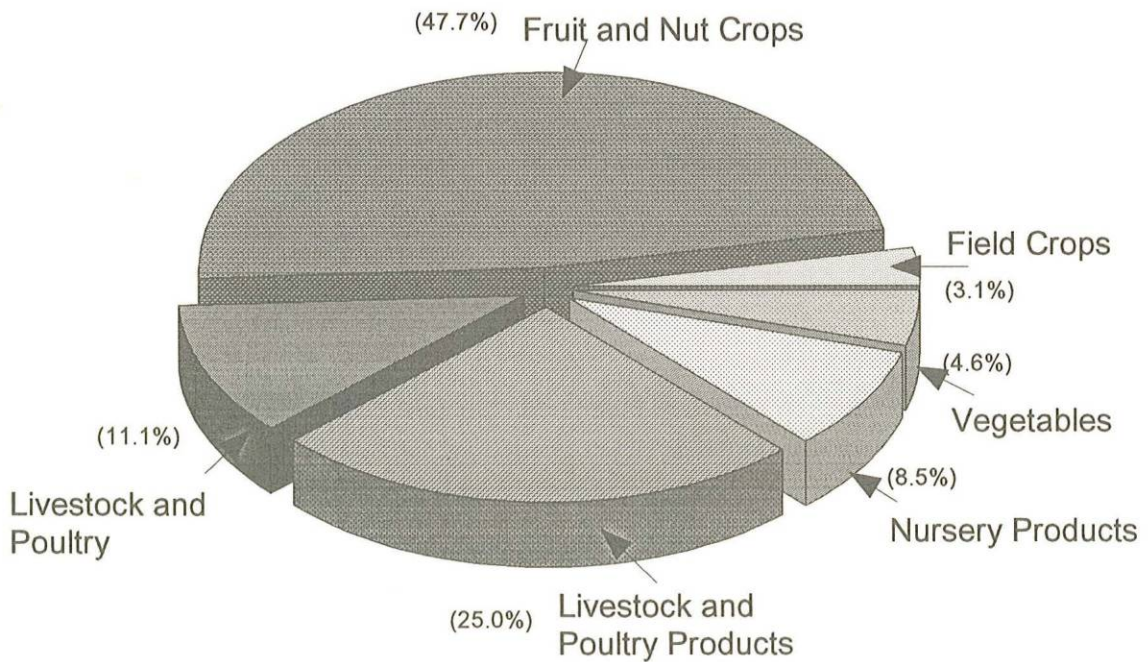
- ❖ *Agriculture and conservation resources directory for teachers listing over 200 local, state and national sources of information about agriculture and the environment.*
- ❖ *Activity guide, with 34 individual activities, for use in the classroom covering all of Sonoma County's major agricultural products and conservation issues. Student handouts are in both Spanish and English.*
- ❖ *Video on Sonoma County agriculture from a child's point of view.*

Additional information and / or copies of the curriculum may be obtained by contacting the Sonoma County U.C.C.E. office (707) 527-2621.



R E C A P I T U L A T I O N

	1993	1994
APIARY	\$ 171,700	\$ 108,500
FIELD CROPS	\$ 8,896,300	\$ 10,600,200
FRUIT AND NUT CROPS	\$ 134,182,900	\$ 161,775,300
LIVESTOCK AND POULTRY	\$ 37,326,900	\$ 37,519,200
LIVESTOCK AND POULTRY PRODUCTS	\$ 78,564,100	\$ 84,937,500
NURSERY PRODUCTS	\$ 29,296,900	\$ 28,796,600
VEGETABLE CROPS	\$ 12,340,600	\$ 15,491,500
TOTAL	\$ 300,779,400	\$ 339,228,800



FRUIT AND NUT CROP SUMMARY

CROP	YEAR	DOLLAR VALUE				
		BEARING ACRES	TON/ACRE	TOTAL TONS	\$/TON	SUB-TOTAL
Apples (all)	1994	5,250	13.68	71,841	\$ 113.19	\$ 8,131,500
	1993	5,047	8.82	44,540	\$ 174.23	\$ 7,760,200
Processed (a)	1994				\$ 7,159,705	
	1993				\$ 5,898,300	
Fresh	1994				\$ 971,769	
	1993				\$ 1,861,900	
Grapes (wine)	1994	33,766	4.53	153,096	\$ 994.67	\$ 152,280,700
	1993	31,475	4.16	131,039	\$ 951.82	\$ 124,725,900
Pears, Bartlett	1994	177	6.73	1,191	\$ 197.90	\$ 235,700
	1993	176	3.83	674	\$ 202.67	\$ 136,600
Processed	1994			1,181	\$ 191.00	\$ 225,600
	1993			673	\$ 200.00	\$ 134,600
Fresh(b)	1994			10	\$ 1,010.00	\$ 10,100
	1993			1	\$ 1,345.44	\$ 2,000
Prunes	1994	736	0.81	599	\$ 1,016.86	\$ 609,100
	1993	1,051	1.02	1,071	\$ 1,051.01	\$ 1,125,500
Walnuts	1994	342	0.26	90	\$ 960.00	\$ 86,400
	1993	368	0.23	85	\$ 1,232.78	\$ 104,700
Misc. (d)	1994					\$ 431,900
	1993					\$ 330,000
TOTAL	1994					\$ 161,775,300
	1993					\$ 134,182,900

(a) Includes canned, juice/cider, vinegar and dried

(b) Totals are from farm market and roadside sales

(c) Dry tons

(d) Includes cherries, bush-berries, kiwi, black walnuts, plums, Asian pears, strawberries, figs, etc.

V E G E T A B L E C R O P S

CROP	YEAR	HARVESTED ACREAGE	DOLLAR VALUE
Miscellaneous Truck farms (e)	1994	1,010	\$ 15,491,500
	1993	1,079	\$ 12,340,600

(e) Includes melons, mushrooms, potatoes, pumpkins, sprouts, squash, tomatoes, lettuces, etc.

N U R S E R Y P R O D U C T S

ITEM	YEAR	SOLD	UNIT	DOLLAR VALUE	
				SUB-TOTAL	\$/UNIT TOTAL
Grapevines (all)	1994	4,898,124			\$ 9,109,600
	1993	3,410,337	plant/cutting		\$ 7,233,000
Cuttings	1994	1,238,813		\$ 397,248	\$ 0.32
	1993	<i>(cutting total not available)</i>			
Plants (a)	1994	3,659,311		\$ 8,712,306	\$ 2.38
	1993	<i>(plant total not available)</i>			
Ornamentals	1994	1,138,738	plant (b)	\$ 5.46	\$ 6,165,000
	1993	1,280,235	plant (b)	\$ 4.23	\$ 5,420,200
Bedding Plants	1994	317,978		\$ 9.66	\$ 3,070,900
	1993	381,032		\$ 9.74	\$ 3,712,000
Cut Flowers	1994				\$ 2,919,100
	1993				\$ 2,072,300
Christmas Tree	1994	20,476	each	\$ 24.64	\$ 504,500
	1993	26,471	each	\$ 24.00	\$ 635,400
Misc. Products	1994				\$ 7,027,500
	(c) 1993				\$ 10,224,000
TOTAL	1994				\$ 28,796,600
	1993				\$ 29,296,900

(a) Includes green, dormant rootings and bench grafts.

(b) Average unit price includes all type trade containers

(c) Includes deciduous fruit and nut trees, bulbs, forest seedlings, house plants, liners, orchids, cactus, herbaceous perennials, dry flowers, turf and wreaths.

A P I A R Y P R O D U C T S

ITEM	YEAR	PRODUCTION	UNIT	DOLLAR VALUE	
				\$/UNIT	TOTAL
Honey	1994	49,204	lb.	\$ 0.63	\$ 30,900
	1993	223,997	lb.	\$ 0.60	\$ 134,700
Wax	1994	968	lb.	\$ 1.55	\$ 1,500
	1993	1,693	lb.	\$ 1.44	\$ 2,200
Packaged Bees	1994	3,800	lb.	\$ 3.50	\$ 13,300
	1993	1,916	lb.	\$ 4.02	\$ 7,700
Pollination	1994				\$ 62,800
	1993				\$ 27,100
TOTAL	1994				\$ 108,500
	1993				\$ 171,700

LIVESTOCK AND POULTRY

ITEM	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	DOLLAR VALUE	
					\$/UNIT	TOTAL
Cattle/Calves	1994	44,147	247,283	cwt	\$ 58.40	\$ 14,441,000
	1993	39,840	219,448	cwt	\$ 65.44	\$ 14,360,100
Sheep/Lambs	1994	14,454	15,610	cwt	\$ 70.97	\$ 1,107,900
	1993	16,762	18,103	cwt	\$ 56.78	\$ 1,027,900
Hogs	1994	5,950	14,075	cwt	\$ 71.60	\$ 619,400
	1993	11,210	25,820	cwt	\$ 48.73	\$ 1,258,200
Turkeys	1994	153,832	3,739,552	lb.	\$ 0.60	\$ 2,239,600
	1993	136,785	3,446,859	lb.	\$ 0.35	\$ 1,206,400
Miscellaneous (a)	1994					\$ 19,111,300
	1993					\$ 19,474,300
TOTAL	1994					\$ 37,519,200
	1993					\$ 37,326,900

(a) Includes chicks, ducks, turkey poults, fryers, roasters, etc.

LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	DOLLAR VALUE	
				\$/UNIT	TOTAL
Milk (Market)	1994	6,062,023 (b)	cwt	\$ 12.08	\$ 73,229,200
	1993	5,873,890	cwt	\$ 11.44	\$ 67,197,300
Milk (Manufacturing)	1994	40,598	cwt	\$ 9.92	\$ 402,700
	1993	21,367	cwt	\$ 11.05	\$ 236,100
Wool	1994	140,403 (c)	lb.	\$ 0.52	\$ 72,600
	1993	149,280	lb.	\$ 0.31	\$ 46,200
Misc. Products (d)	1994				\$ 11,233,000
	1993				\$ 11,084,500
TOTAL	1994				\$ 84,937,500
	1993				\$ 78,564,100

(b) Preliminary

(c) Does not include incentive payments.

(d) Includes market duck eggs, turkey hatching eggs, chicken eating eggs and by-products and goat milk.

F I E L D C R O P S

CROP	YEAR	HARVESTED			UNIT	DOLLAR VALUE	
		ACREAGE	TON/ ACRE	TOTAL TONS		\$/UNIT	TOTAL
Hay, Oat	1994	13,904	2.36	32,791	ton	\$ 78.66	\$ 2,579,400
	1993	17,820	2.17	38,591	ton	\$ 48.04	\$ 1,854,000
Hay, Volunteer	1994	1,982	1.86	3,680	ton	\$ 48.32	\$ 177,800
	1993	3,596	1.66	5,976	ton	\$ 42.47	\$ 253,800
Green Chop (a)	1994	902	11.56	10,423	ton	\$ 13.66	\$ 142,400
	1993	2,271	10.82	24,582	ton	\$ 13.33	\$ 327,800
Oats, Grain	1994	590	1.05	617	ton	\$ 220.06	\$ 135,800
	1993	1,174	0.73	854	ton	\$ 189.72	\$ 162,000
Ensilage, Corn (a)	1994	470	20.27	9,525	ton	\$ 44.87	\$ 427,400
	1993	213	21.47	4,572	ton	\$ 37.00	\$ 169,200
Oats, Silage (a)	1994	7,033	12.23	85,993	ton	\$ 39.89	\$ 3,430,300
	1993	7,470	10.77	80,450	ton	\$ 32.00	\$ 2,574,400
Straw	1994			2,520	ton	\$ 36.35	\$ 91,600
	1993			540	ton	\$ 36.48	\$ 19,700
Pasture, Irrigated	1994	9,400			acre	\$ 100.00	\$ 940,000
	1993	9,100			acre	\$ 100.00	\$ 910,000
Grassland	1994	206,700			acre	\$ 10.00	\$ 2,067,000
	1993	207,000			acre	\$ 10.00	\$ 2,070,000
Woodland	1994	173,000			acre	\$ 1.00	\$ 173,000
	1993	173,000			acre	\$ 1.00	\$ 173,000
Miscellaneous (b)	1994						\$ 435,500
	1993						\$ 382,400
TOTAL	1994						\$ 10,600,200
	1993						\$ 8,896,300

(a) Much of the green chop and ensilage is not sold, but used on the farm. The value is determined by its feed equivalent of hay after it is cut, loaded and ensiled.

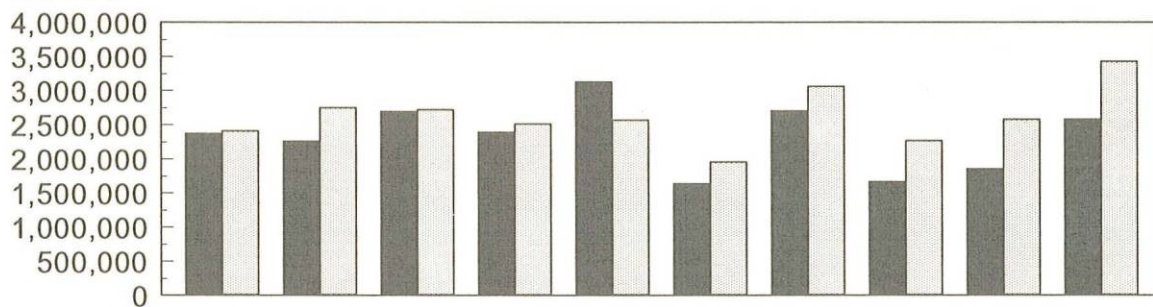
(b) Includes alfalfa, barley, safflower, wheat, rye, vetch, sudan, etc.

OAT HAY and OAT SILAGE

DOLLAR VALUE

1985 ~ 1994

Dollars



	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
OAT HAY	2,370,100	2,256,200	2,693,200	2,389,800	3,124,900	1,631,062	2,697,100	1,663,900	1,854,000	2,579,400
OAT SILAGE	2,408,600	2,751,200	2,721,900	2,508,700	2,565,100	1,955,900	3,055,600	2,271,100	2,574,400	3,430,300

M I L L I O N D O L L A R C R O P S		
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1. WINE GRAPES	\$	152,280,700
2. MARKET MILK	\$	73,229,200
3. MISC. LIVESTOCK AND POULTRY	\$	19,111,300
4. VEGETABLES	\$	15,491,500
5. CATTLE AND CALVES	\$	14,441,000
6. MISC. LIVESTOCK AND POULTRY PRODUCTS	\$	11,233,000
7. GRAPEVINES	\$	9,109,600
8. MISC. NURSERY PRODUCTS	\$	7,027,500
9. NURSERY ~ ORNAMENTALS	\$	6,165,000
10. APPLES ~ LATE VARIETIES	\$	5,915,300
11. OAT SILAGE	\$	3,430,300
12. NURSERY ~ BEDDING PLANTS	\$	3,070,900
13. NURSERY ~ CUT FLOWERS	\$	2,919,100
14. OAT HAY	\$	2,579,400
15. TURKEYS	\$	2,239,600
16. APPLES ~ GRAVENSTEINS	\$	2,216,200
17. SHEEP AND LAMBS	\$	1,107,900

A P P L E P R O D U C T I O N

D O L L A R V A L U E

CROP	YEAR	BEARING ACRES	TONS/ACRE	TOTAL TONS	\$/TON	SUB-TOTAL	TOTAL
Gravenstein	1994	1,660	11.74	19,489	\$113.71		\$2,216,200
	1993	1,564	3.73	5,834	\$119.17		\$1,162,000
Fresh	1994			624	\$533.04	\$332,617	
	1993			806	\$422.17	\$388,700	
Canned	1994			3,227	\$134.28	\$433,322	
	1993			1,347	\$170.53	\$229,700	
Juice/cider/ vinegar	1994			9,551	\$ 80.20	\$765,990	
	1993			2,203	\$141.44	\$311,600	
Dried	1994 (a)			6,088	\$112.39	\$684,230	
	1993 (a)			1,478	\$156.97	\$232,000	
Late Apples	1994	3,590	14.58	52,351	\$112.99		\$5,915,300
	1993	3,483	11.11	38,705	\$174.23		\$6,598,200
Fresh	1994			1,311	\$487.53	\$ 639,152	
	1993			2,713	\$542.97	\$1,473,200	
Canned	1994			8,779	\$117.20	\$1,028,899	
	1993			5,192	\$159.73	\$ 829,300	
Juice/cider/ vinegar	1994			23,866	\$ 95.53	\$2,279,919	
	1993			13,591	\$110.81	\$1,506,000	
Dried	1994 (a)			18,395	\$106.95	\$1,967,345	
	1993 (a)			17,209	\$162.11	\$2,789,700	
TOTAL	1994	5,250	13.68	71,841	\$113.19		\$8,131,500
	1993	5,047	8.82	44,540	\$174.23		\$7,760,200

(a) Green Tons

T I M B E R H A R V E S T

(Informational Only)

CROP	YEAR	PRODUCTION	UNIT (b)	DOLLAR VALUE(c)
Timber	1994 (d)	34,600,000	board feet	\$19,220,000
	1993	29,400,000	board feet	\$10,592,100

(b) Board feet is the quantity of timber cut and scaled

(c) Value of the timber immediately before cutting

(d) Harvest year of 1993

WHITE ~ WINE GRAPE PRODUCTION

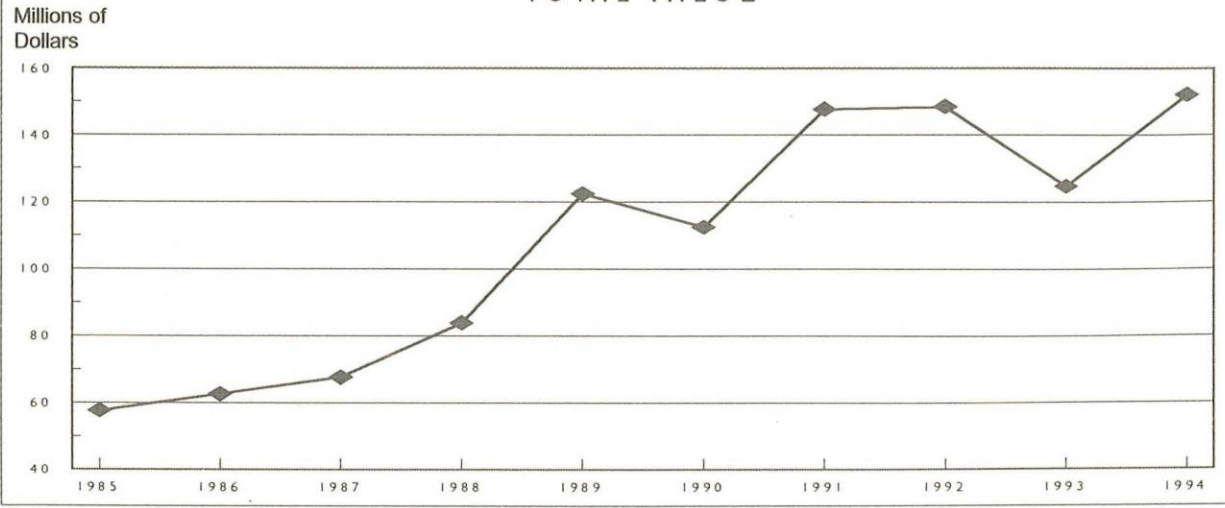
PRODUCTION

A C R E S

DOLLAR VALUE

VARIETY	YEAR	NON-			TONS	DOLLAR VALUE	
		BEARING	BEARING	TOTAL		\$/TON	TOTAL
Chardonnay	1994	11,672	822	12,494	59,489	\$ 1,072.62	\$ 63,809,500
	1993	11,080	1,276	12,356	50,095	\$ 1,092.15	\$ 54,711,100
Chenin Blanc	1994	304	11	315	1,341	\$ 433.97	\$ 581,900
	1993	330	11	341	2,346	\$ 434.15	\$ 1,018,600
French Colombard	1994	515	0	515	3,683	\$ 355.25	\$ 1,308,500
	1993	561	0	561	3,287	\$ 342.72	\$ 1,126,300
Gewurztraminer	1994	384	0	384	1,381	\$ 677.30	\$ 935,200
	1993	361	0	361	1,181	\$ 646.67	\$ 763,800
Muscat Blanc	1994	45	0	45	181	\$ 938.27	\$ 169,900
	1993	48	0	48	152	\$ 823.60	\$ 125,000
Pinot Blanc	1994	103	8	111	755	\$ 861.38	\$ 650,100
	1993	190	8	198	553	\$ 856.07	\$ 473,200
Sauvignon Blanc	1994	1,518	120	1,638	8,527	\$ 745.18	\$ 6,354,200
	1993	1,527	164	1,691	6,703	\$ 725.40	\$ 4,862,100
Semillion	1994	174	0	174	849	\$ 667.14	\$ 566,600
	1993	171	4	175	755	\$ 658.10	\$ 496,700
Viognier	1994	22	11	33	139	\$ 1,177.67	\$ 163,200
(Listed in other white category in 1993)							
White Riesling	1994	288	10	298	939	\$ 549.69	\$ 516,200
	1993	274	3	277	918	\$ 523.16	\$ 480,100
Other Whites	1994	199	7	206	903	\$ 364.45	\$ 329,100
	1993	281	21	302	1,056	\$ 492.14	\$ 519,700
TOTAL WHITE	1994	15,224	989	16,213	78,187	\$ 964.15	\$ 75,384,400
	1993	14,775	1,487	16,262	66,891	\$ 963.53	\$ 64,451,600

ALL WINE GRAPES
1985 - 1994
TOTAL VALUE



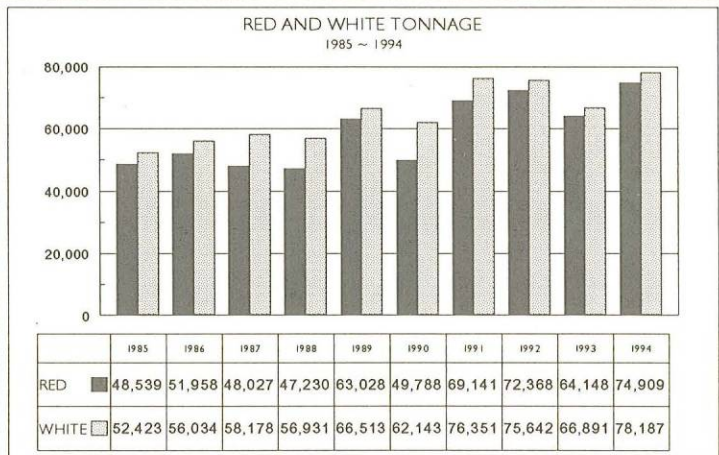
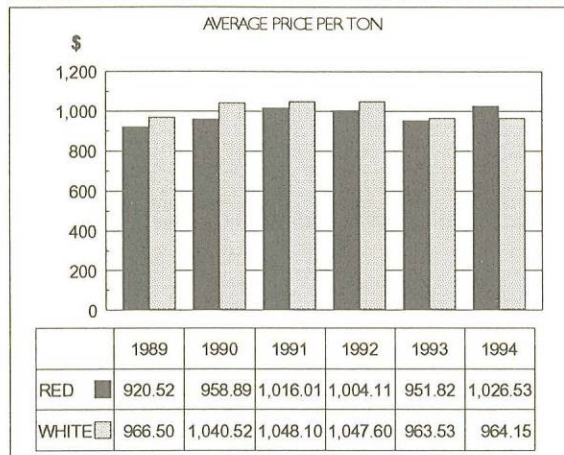
RED ~ WINE GRAPE PRODUCTION

P R O D U C T I O N

A C R E S

D O L L A R V A L U E

VARIETY	YEAR	NON-			TONS	\$ / T O N	
		BEARING	BEARING	TOTAL			TOTAL
Cabernet Franc	1994	479	46	525	2,128	\$ 1,171.85	\$ 2,493,200
	1993	456	55	511	1,826	\$ 1,190.07	\$ 2,173,100
Cabernet Sauvignon	1994	6,437	513	6,950	27,546	\$ 1,143.95	\$ 31,511,000
	1993	5,917	634	6,551	21,563	\$ 1,128.39	\$ 24,331,200
Carignane	1994	316	0	316	906	\$ 524.89	\$ 475,600
	1993	312	0	312	698	\$ 445.05	\$ 310,600
Merlot	1994	2,591	577	3,168	12,814	\$ 1,372.97	\$ 17,593,000
	1993	2,007	876	2,883	7,789	\$ 1,354.05	\$ 10,546,700
Meunier <i>(Listed in other red category in 1993)</i>	1994	148	0	148	351	\$ 795.80	\$ 279,100
Napa Gamay	1994	199	32	231	935	\$ 623.30	\$ 582,500
	1993	210	22	232	516	\$ 629.16	\$ 324,600
Petite Sirah	1994	261	40	301	677	\$ 901.84	\$ 610,800
	1993	281	60	341	507	\$ 721.81	\$ 366,000
Petite Verdot <i>(Listed in other red category in 1993)</i>	1994	43	13	56	174	\$ 1,407.05	\$ 244,800
Pinot Noir	1994	3,105	113	3,218	12,802	\$ 808.39	\$ 10,349,300
	1993	2,954	128	3,082	12,856	\$ 744.86	\$ 9,575,900
Sangiovese <i>(Listed in other red category in 1993)</i>	1994	30	78	108	270	\$ 1,073.29	\$ 290,200
Syrah-shiraz <i>(Listed in other red category in 1993)</i>	1994	120	25	145	503	\$ 1,157.79	\$ 581,800
Zinfandel	1994	4,039	212	4,251	14,581	\$ 740.58	\$ 10,798,200
	1993	3,841	242	4,083	16,104	\$ 668.64	\$ 10,767,600
<i>NOTE: Tonnage prices paid for low sugar zinfandel grapes used for white avg. \$522.44 per ton and for red avg. \$1,080.07 per ton.</i>							
Other Reds	1994	382	48	430	1,223	\$ 878.56	\$ 1,086,800
	1993	528	121	649	1,901	\$ 889.53	\$ 1,691,000
TOTAL REDS	1994	18,150	1,697	19,847	74,909	\$ 1,026.53	\$ 76,896,300
	1993	16,700	2,138	18,838	64,148	\$ 939.62	\$ 60,274,300
TOTAL ALL WINE GRAPES	1994	33,374	2,686	36,060	153,096	\$ 994.67	\$ 152,280,700
	1993	31,475	3,625	35,100	131,039	\$ 951.82	\$ 124,725,900



FRUIT, NUT and GRAPEVINE ACREAGE

CROP	BEARING	NON-BEARING	TOTAL
Apples	5,298	100	5,398
Cherries	4	0	4
Figs	3	0	3
Wine Grapes	33,374	2,686	36,060
Kiwi	32	0	32
Peaches	20	0	20
Pears	177	1	178
Plums	9	0	9
Prunes	736	20	756
Walnuts	342	6	348
Miscellaneous	14	8	22
TOTAL ACREAGE	40,009	2,821	42,830

INVENTORIES OF LIVESTOCK AND POULTRY

(Number of Head as of January 1, 1995)

ITEM	NUMBER
Cattle and Calves, all	101,000
Milk cows and heifers 2 years and over	(38,000)
Beef cows and heifers 2 years and over	(24,000)
Sheep and Lambs, all	17,700
Hogs	3,000
Laying Hens and Pullets	841,776
Turkey Breeders	27,162

COMMERCIAL FISH CATCH ~ 1993

(Information Only)

SPECIES	POUNDS		VALUE
Urchin, Red	1,403,650	\$	1,108,600
Salmon, Chinook	432,528	\$	935,500
Sole, Dover	1,872,970	\$	538,000
Swordfish	150,065	\$	516,000
Rockfish, unspecified	1,183,110	\$	469,800
Thornyheads	558,330	\$	287,300
Crab, Dungeness	136,064	\$	232,900
Sablefish	400,309	\$	160,900
Rockfish, Chilipepper	403,793	\$	154,800
Rockfish, Bocaccio	360,791	\$	132,700
Sole, Petrale	104,410	\$	86,400
Tuna, Albacore	74,675	\$	71,400
Lingcod	185,421	\$	68,400
Rockfish, Widow	199,021	\$	61,600
Sole, English	144,601	\$	47,600
Rockfish, Group Red	52,749	\$	32,100
Sole, Rex	78,381	\$	27,300
Halibut, California	8,808	\$	21,500
Rockfish, Group Bolina	17,415	\$	15,900
Cucumber, Sea	16,182	\$	12,900
Other	191,107	\$	75,000
TOTAL	7,974,380	\$	5,056,600

The figures are provided by the California Department of Fish and Game.

The 1994 figures will not be available until later in the year.

HORSES

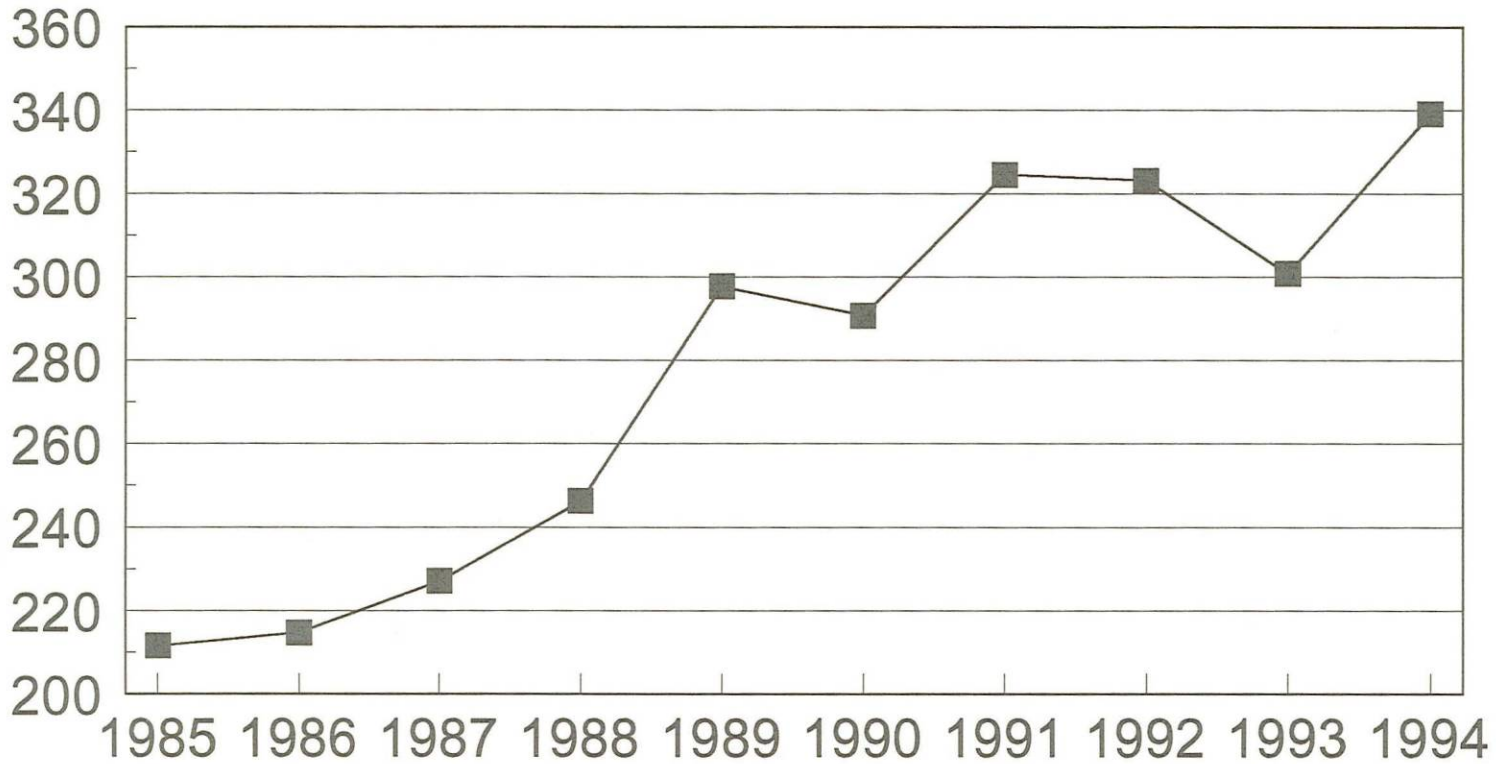
(Informational Only)

HEAD	AVERAGE PER HEAD	TOTAL VALUE
15,040	\$4,047	\$60,869,537
Stallions and Geldings	Mares	Yearlings
7,298	6,727	1,015

These figures were furnished by Dr. Carlo Benito, Professor of Economics at Sonoma State University. The survey was done as a class project. The number of head was determined by actual count and the value was established thru a survey and the Stable News.

SONOMA COUNTY TOTAL CROP VALUE 1985 ~ 1994

Millions



Sonoma County 1994 Sustainable Agriculture Report

By Priscilla Lane

BIOLOGICAL CONTROL PROGRAM

BIOLOGICAL CONTROL	# OF RELEASE SITES
Gorse Spider Mite (<i>Tetranychus lintearius</i>)	3
Yellow Starthistle Seedhead Weevil (<i>Bangasternus orientalis</i>)	3
Yellow Starthistle Gall Fly (<i>Urophora sirunaseva</i>)	1
Yellow Starthistle Hairy Weevil (<i>Eus tenopus villosus</i>)	1

ORGANIC FARMING STATISTICS

COMMODITY	# OF PRODUCERS	COMMODITY	# OF PRODUCERS
Eggs	4	Fruits and Nuts	430
Vegetables	94	Wine Grapes	17

PEST DETECTION

TRAPPING: 12,796 trap servicings for exotic insect pests. (Includes Mediterranean and Oriental Fruit Fly, Melon Fly, Gypsy Moth, Japanese Beetle, Khapra Beetle and Western Grapeleaf Skeletonizer)

ENTRYWAY SURVEY: 1249 miles and 149 properties were surveyed for the presence of noxious weed and disease pests.

WEED SURVEY

PEST	ACRES TREATED	PEST	ACRES TREATED
Artichoke Thistle	500	Distaff Thistle	50
Iberian Starthistle	1000	Purple Starthistle	250

PEST EXCLUSION

A total of 2,004 premise inspections for incoming shipments of plant material were made by the Sonoma County Agricultural Commissioner's Office. Inspections occurred at the Express Carriers, Nurseries, Post Office, Rail Road and United Parcel Service. 145 rejections of plant material were made. Rejected plant material was either destroyed or reconditioned and released. Listed below are a few of the economically important pest species intercepted in 1994:

European Violet Leaf Midge <i>Dasineura affinis</i>	Magnolia White Scale <i>Pseudaulacaspis cockerelli</i>	Tick <i>Ixodes ricinus</i>
Gypsy Moth <i>Lymantria dispar</i>	Exotic Fruit Fly <i>Terellia fuscicornis</i>	Western Grapeleaf Skeletonizer <i>Harrisina brillians</i>
	Eucalyptus Longhorn Beetle <i>Phoracantha semipunctata</i>	

NATIONAL AGRICULTURAL DAY GRAND PRIZE ESSAY

The following winning essay, from the Agricultural Day essay contest, sponsored by the Northbay Chapter of California Women for Agriculture, Sonoma County Farm Bureau and the Press Democrat, is reprinted with permission from Jason Davis and his parents.

Jason is a 6th grade student from Pacific Christian Academy in Graton. His award winning essay describes how Sonoma County touches his life.

HOW SONOMA COUNTY TOUCHES MY LIFE

By Jason Davis

"AGRICULTURE: It happens every day, in where we work and play. It affects us and most everything around us. But what if agriculture was not in existence, it's obvious that Sonoma County would be a less beautiful and desirable place to live in. Farms would not be in use, therefore we would have more houses and less pastoral gardens where luscious green grass grows for cows and sheep to graze. Many farmers and workers would be out of business and jobs

Imagine Sonoma County, a place with no plains or no hills with vineyards or farms. Without agriculture our land would not be as beautiful. Just think how less beautiful our land would be. Sonoma County would just be another over populated group of cities.

The citizens, farmers, agriculturists and even the children help in a big way to keep our land beautiful, clean and special.

As a child I, for one, am proud to live in what I think is one of the most beautiful counties in California. I hope that in the future our children will live and learn to keep Sonoma County beautiful and agriculturally productive so they can experience and enjoy what Sonoma County has shared with us all".

AGRICULTURAL COMMISSIONER

Eric Lauritzen

ASSISTANT AGRICULTURAL COMMISSIONER

John Westoby

DEPUTY AGRICULTURAL COMMISSIONER II

Jim Sallee

DEPUTY AGRICULTURAL COMMISSIONER

Hitoshi Kobayashi ~ Mike Smith

AGRICULTURAL INSPECTOR/BIOLOGIST III

**Lisa Correia ~ Alexis Czarnecki ~ Pierre Gadd, Jr.
Priscilla Lane ~ Marilyn Vernon**

AGRICULTURAL INSPECTOR/BIOLOGIST II

Gary Bjork ~ Bruce McArthur

AGRICULTURAL INSPECTOR/BIOLOGIST I

Stefan Parnay

SENIOR AGRICULTURAL PROGRAM ASSISTANT

Michael Milligan ~ Bonnie Sallee

COUNTY TRAPPER

James O'Brien

PEST DETECTION TRAPPER

Don Milligan ~ Stan Peterson ~ JoAnne Stewart

ADMINISTRATIVE SUPPORT STAFF

Esther Martinez ~ Ilene Moran ~ Jeann Nelson