

**SONOMA COUNTY**  
**Agricultural Crop Report 2003**



**Dedicated to Sonoma County's Poultry Industry**



## OFFICE OF THE AGRICULTURAL COMMISSIONER

**A.G. Kawamura** Secretary  
California Department of Food and Agriculture

May 2004

Sonoma County Board Of Supervisors:  
**Valerie Brown** - District 1  
**Mike Kerns** - District 2

**Tim Smith** - District 3  
**Paul L. Kelley** - District 4  
**Mike Reilly** - District 5, **Chairman**

The 2003 total value of Sonoma County agricultural production decreased by \$53 million when compared with 2002. The total value is \$511,511,700. The biggest losses in value were seen in Fruit and Nut Crops (down \$60.7 million), Vegetable Crops (down \$1.4 million), and Nursery Products (down \$1.2 million).

The price of market milk received by dairies increased by \$0.81/hundredweight. This contributed to an increase of \$7.6 million for Livestock and Poultry Products. Grapevine nursery stock increased by \$1.5 million as county nurseries increased production.

Our highest value commodity, wine grapes, decreased in value by \$63.3 million, as tonnage was reduced and average price decreased. There were 22,371 fewer tons harvested mainly due to inclement weather during bloom. The average price per ton decreased by \$108 per ton.

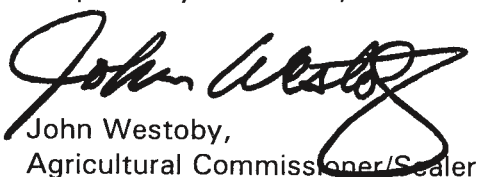
Apple production increased by over 20,000 tons as acreage increased slightly. Vegetable production value continued to decrease (down \$1.4 million) as less acreage and value was reported.

This year's crop report cover highlights the Sonoma County poultry industry. Sonoma County has a rich history of raising chickens, turkeys and ducks. Petaluma's history as the former "egg capitol of the world" is well documented. The poultry industry is still a vibrant part of our agricultural economy, contributing \$54,082,600. This year we are honoring the men and women of the poultry industry who work hard to maintain agricultural diversity in Sonoma County.

Once again our office would like to thank our farmers and ranchers for much of the information contained in this report and remind the reader that the information reported is gross production value and does not infer net farm income.

Cree Morgan is congratulated again for his efforts in producing this report, as are Marilyn Vernon and Laura Knudsen for their valuable assistance. Also, Nancy Fiddler and Charity McGuire provided invaluable support in conducting the crop acreage interviews.

Respectfully submitted,

  
John Westoby,  
Agricultural Commissioner/Sealer

# TABLE OF CONTENTS

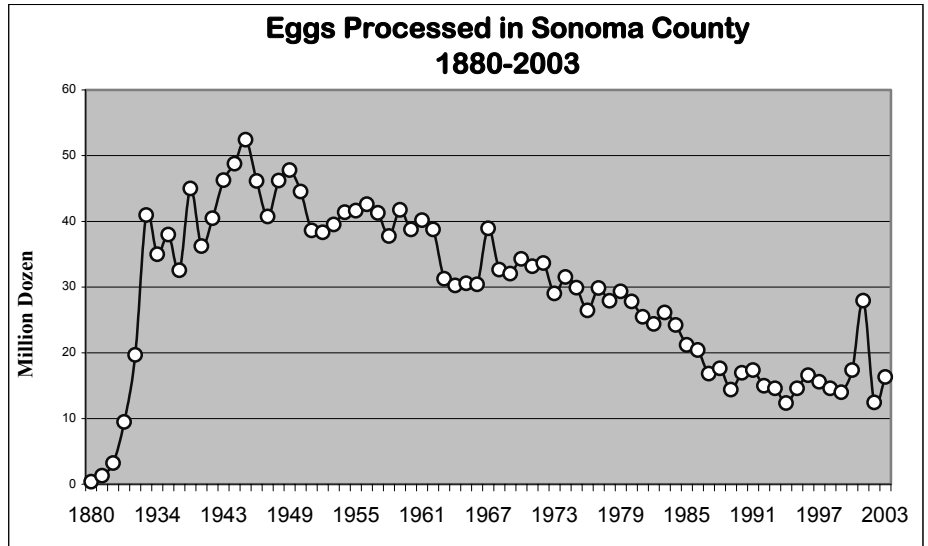
Poultry Industry in Sonoma County	1
Winning Ag Day Essay	2
Fruits and Nuts Acreage	3
Field Crops	3
Commercial Fish Catch	4
Timber Harvest	4
Nursery Products	5
Apple Production	5
Wine Grape Production ~ White	6
Wine Grape Production ~ Red	7
Livestock and Poultry	8
Livestock and Poultry Products	8
Livestock and Poultry Inventory	8
Fruit and Nut Crop Summary	9
Apiary Products	9
Vegetable Crops	9
Recapitulation	10
Million Dollar Crops	10
Sustainable Agriculture	11
Staff List	12

Note: The crop values stated in this report are based on grower submitted surveys and data provided by state agencies. Numbers are rounded to the hundreds place.

This issue of the Sonoma County Crop report honors the Sonoma County poultry industry.

Sonoma County has a rich history of raising chickens, turkeys and ducks. Fertile eggs, chicks, eggs and meat have been the products of this husbandry. In the early part of the twentieth century it was said that the Petaluma area was the greatest poultry raising area in the world. At one time, nine out of ten families in southern Sonoma County were engaged in the industry. In 1920, a dozen eggs were selling at \$0.51/dozen in an era when a day's wages were \$1.75 to \$2.00/day. For nearly two decades, there were more deposits per capita in Petaluma banks than in any other town on Earth. It could be said that there was gold in those rolling hills as many mansions were constructed and banks filled with deposits during this hay day of the egg industry.

Today our poultry industry is still a valuable contributor to the Sonoma County agricultural economy. The value of the commodities sold by this portion of our agricultural industry totaled \$54,082,600 in 2003. This is 11% of our total agricultural output. As with many of the farm products being produced in Sonoma County, our poultry growers must produce products that can compete in a worldwide market. To operate a viable farming



operation in an area with very high land and labor costs, the remaining poultry farmers have become producers of unique products. Whether it is nationally recognized products like Rocky the Range Chicken® and Rosie® the organic chicken, eggs produced organically (or with no antibiotics), turkeys that are the breeding standard around the world, or ducks that are served in the finest restaurants, these products represent Sonoma County to the world. The industry is filling these niche markets with ingenuity and sustainable farming practices. They need to produce the best in a way that their customers will know they are purchasing a special product.

Besides the competition in the market place the poultry industry needs to meet the challenge of maintaining healthy animals. In today's world, pests and disease can be transported from one side of the globe to another in a day. The recent outbreak of Exotic Newcastle Disease (END) in Southern California is an example of a threat that had great economic impact on all of California's poultry producers. Fortunately, Sonoma County producers were spared this epidemic, but strict bio-security measures were implemented to prevent this, and future problems.

We need to honor these men and women who work hard to maintain agricultural diversity in Sonoma County. We need to seek out their products and buy their locally produced commodities. We need to support this important part of our agricultural community so we can continue to enjoy the pleasure of living in an area, which has a very special ambience, an ambience that quiets the mind and brings joy to the soul.

# WINNING AG DAY ESSAY

*What does agriculture mean to me?*

*By Kira Findling*

*First Grade, Apple Blossom School*

*Agriculture is about food, clothing and shelter.*

*Farmers grow plants and raise animals. At the dairy farm, farmers raise cows for milk. Then the farmers make butter, cheese, yogurt and ice cream. At the egg farm, the farmers raise hens for their eggs. At the cattle farm, farmers raise cows. At crop farms, farmers plant seed to grow into crops. Crops are fruit, vegetables, nuts and grains.*

*Farmers can use animals and plants for clothing. They can shear sheep, goats and llamas. Then the farmers have wool they make into clothes.*

*Farmers can grow plants for people's shelters. Farmers use their wood to make lumber. Then the lumber is used to make shelters.*

*I am thankful that farmers are making food, clothing, and shelter for me. Agriculture is special to me because it helps me to get what I need to live.*

# FRUITS AND NUT ACREAGE

Crop	Bearing	Non-Bearing	Total
Apples	3,008	30	3,038
Grapes (wine)	52,176	7,797	59,973
Kiwi	20	0	20
Olives	90	115	205
Peaches	20	0	20
Pears	76	1	77
Plums (incl. Prunes)	8	0	8
Walnuts	86	3	89
Miscellaneous	13	2	15
<b>Total acreage</b>	<b>55,496</b>	<b>7,948</b>	<b>63,444</b>

# FIELD CROPS

Crop	Year	Harvested Acreage	Ton/Acre	Total Tons	Units	DOLLAR VALUE	
						\$/Unit	Total
Hay, Oat	2003	5,500	3.15	17,339	ton	\$ 79.67	\$ 1,381,400
	2002	6,135	2.82	17,307	ton	\$ 77.75	\$ 1,345,700 *
Hay, Volunteer	2003	372	2.18	810	ton	\$ 40.28	\$ 32,700
	2002	250	1.50	375	ton	\$ 75.00	\$ 28,200
Green Chop (A)	2003	598	7.24	4,331	ton	\$ 15.89	\$ 68,900
	2002	716	7.71	5,522	ton	\$ 13.57	\$ 75,000
Oats, Grain	2003	1,702	0.98	1,669	ton	\$ 155.92	\$ 260,300
	2002	937	2.83	2,650	ton	\$ 212.00	\$ 561,800
Silage, Corn (A)	2003	385	23.81	9,165	ton	\$ 18.13	\$ 166,200
	2002	385	25.62	9,865	ton	\$ 32.13	\$ 317,000
Silage, Oat (A)	2003	3,847	12.40	47,697	ton	\$ 22.08	\$ 1,053,200
	2002	2,140	11.31	24,203	ton	\$ 27.13	\$ 656,700
Straw	2003						\$ 23,700
	2002						\$ 91,400
Pasture, Irrigated (B)	2003	8,329			acre	\$ 100.00	\$ 832,900
	(C) 2002	9,350			acre	\$ 100.00	\$ 935,000
Grassland	(B) 2003	284,747			acre	\$ 10.00	\$ 2,847,500
	(C) 2002	204,214			acre	\$ 10.00	\$ 2,042,200
Woodland	(B) 2003	243,585			acre	\$ 1.00	\$ 243,600
	(C) 2002	172,525			acre	\$ 1.00	\$ 172,600
Miscellaneous (D)	2003						\$ 248,500
	2002						\$ 422,200
<b>TOTAL</b>	<b>2003</b>						<b>\$ 7,158,900</b>
	2002						\$ 6,647,800 *

(A) much of the green chop and silage is not sold but used on the farm-- value is determined by it's feed equivalent

(B) calculated from Assessor's rolls

(C) estimated

(D) includes alfalfa, barley, safflower, wheat, rye, vetch, Sudan, etc.

\* Revised figures

# COMMERCIAL FISH CATCH

(Informational Only—most recent figures available, furnished by California Dept. of Fish and Game)

Species		Pounds		Value
Salmon, Chinook	<b>2002</b>	<b>754,650</b>	\$	<b>1,114,172</b>
	2001	597,372	\$	1,117,082
Crab, Dungeness	<b>2002</b>	<b>1,141,674</b>	\$	<b>2,211,248</b>
	2001	370,036	\$	1,049,587
Rockfish, all	<b>2002</b>	<b>86,575</b>	\$	<b>90,547</b>
	2001	162,507	\$	118,913
Urchin, red	<b>2002</b>	<b>945,067</b>	\$	<b>533,096</b>
	2001	428,570	\$	317,098
Sole, all	<b>2002</b>	<b>269,016</b>	\$	<b>134,034</b>
	2001	100,260	\$	95,627
Sablefish	<b>2002</b>	<b>36,116</b>	\$	<b>38,693</b>
	2001	22,593	\$	19,288
Prawn, spot	<b>2002</b>	<b>14,606</b>	\$	<b>124,530</b>
	2001	9,617	\$	83,316
Thornyhead, all	<b>2002</b>	<b>61,342</b>	\$	<b>43,465</b>
	2001	9,567	\$	8,023
Tuna, Albacore	<b>2002</b>	<b>105,678</b>	\$	<b>82,552</b>
	2001	342,634	\$	283,763
Halibut, California	<b>2002</b>	<b>2,840</b>	\$	<b>6,376</b>
	2001	1,292	\$	3,137
Cabezon	<b>2002</b>	<b>2,038</b>	\$	<b>7,338</b>
	2001	2,404	\$	8,106
Lingcod	<b>2002</b>	<b>6,357</b>	\$	<b>8,096</b>
	2001	3,687	\$	5,132
Miscellaneous	<b>2002</b>	<b>861,012</b>	\$	<b>33,808</b>
	2001	79,674	\$	16,076
<b>Total</b>	<b>2002</b>	<b>3,515,333</b>	\$	<b>4,427,955</b>
	2001	2,287,491	\$	3,125,148

# TIMBER HARVEST

(Informational Only—most recent figures available, furnished by State Board of Equalization)

Year	Production	Unit (F)		Value (G)
<b>2003</b>	<b>15,698,000</b>	board feet	\$	<b>7,291,430</b>
2002	9,671,000	board feet	\$	3,482,900

(F) board feet is the quantity of timber cut and scaled  
 (G) value of the timber immediately before cutting

# NURSERY PRODUCTS

Item	Year	Units Sold	Unit	DOLLAR VALUE	
				\$/Unit	Total
Grapevines (A)	2003		plant/		\$ 1,520,500
	2002		cuttings		\$ 573,800
Ornamentals (B)	2003	1,547,755	plant	\$ 6.23	\$ 9,639,100
	2002	1,353,006	plant	\$ 8.81	\$ 11,919,100
Bedding Plants	2003	107,288	flat	\$ 14.36	\$ 1,540,900
	2002	89,278	flat	\$ 18.08	\$ 1,614,500
Cut Flowers	2003				\$ 3,596,300
	2002				\$ 1,545,300
Christmas Trees	2003	9,271		\$ 38.54	\$ 357,300
	2002	13,560	each	\$ 37.31	\$ 505,900
Miscellaneous Products (C)	2003				\$ 10,306,000
	2002				\$ 9,908,500
<b>TOTAL</b>	2003				\$ 26,960,100
	2002				\$ 26,067,100

(A) includes field grown, non-grafted, bench grafts, greenhouse propagation

(B) average unit price includes all type trade containers

(C) includes deciduous fruit and nut trees, liners, bulbs, forest seedlings, house plants, orchids, cacti, herbaceous perennials, dry flowers, turf and wreaths

# APPLE PRODUCTION

Crop	Year	Bearing Acres	Tons/Acre	Total Tons	Dollar Value	
					\$/Ton	Total
Gravenstein	2003	926	5.58	5,171	\$ 163	\$ 842,900
	2002	938	5.34	5,007	\$ 203	\$ 1,014,100
Fresh	2003			451	\$ 361	\$ 162,700
	2002			228	\$ 708	\$ 161,400
Processed (A)	2003			4,720	\$ 144	\$ 680,200
	2002			4,779	\$ 178	\$ 852,700
Late Apples	2003	2,082	20.34	42,357	\$ 149	\$ 6,323,700
	2002	2,018	10.80	21,797	\$ 144	\$ 3,571,600
Fresh	2003			858	\$ 793	\$ 680,200
	2002			479	\$ 742	\$ 355,500
Processed (A)	2003			41,499	\$ 136	\$ 5,643,500
	2002			21,318	\$ 151	\$ 3,216,100
Total	2003	3,008	15.80	47,528		\$ 7,166,600
	2002	2,956	9.07	26,804		\$ 4,585,700

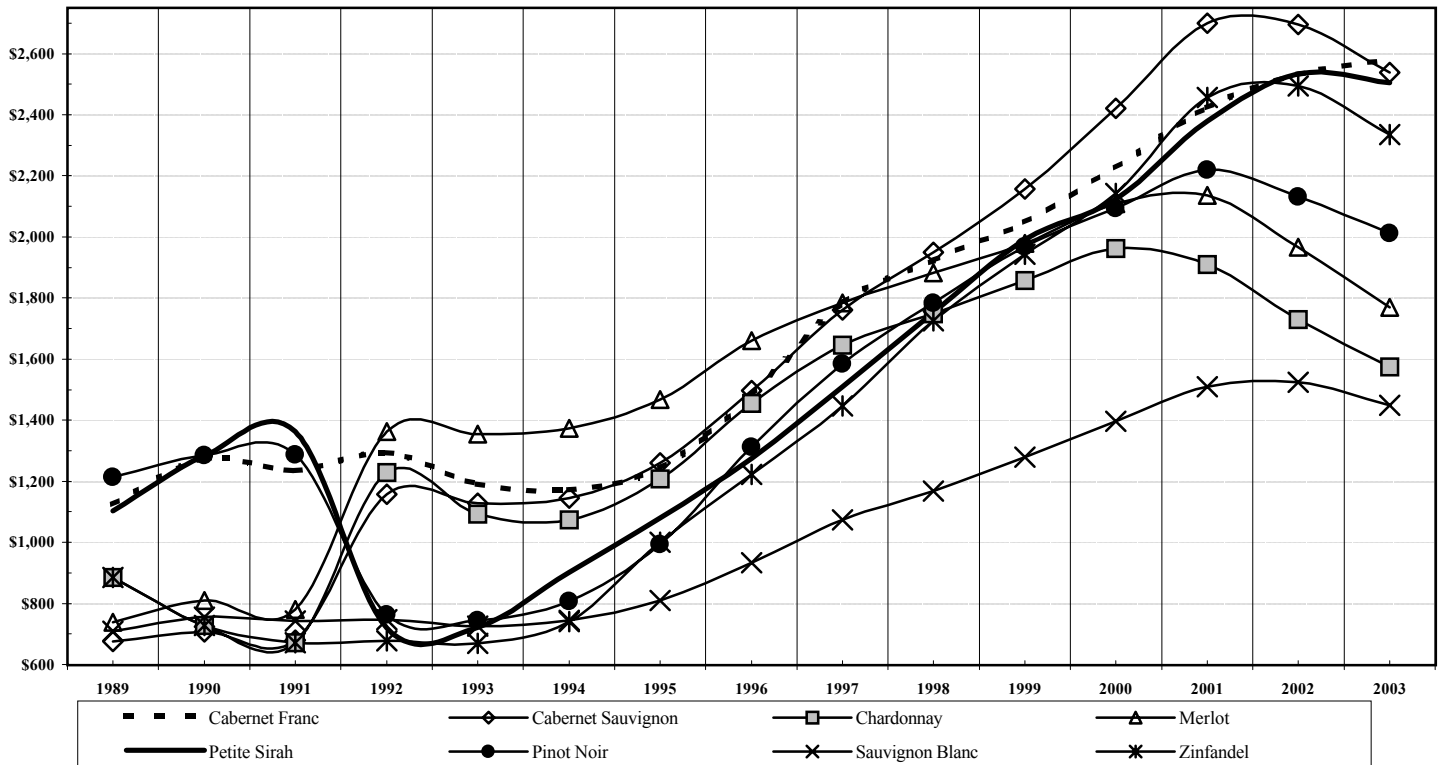
(A) includes canned, juice, vinegar, cider



# WHITE WINE GRAPE PRODUCTION

VARIETY	YEAR	Acres			Production		
		BEARING	NON-BEARING	TOTAL	TONS	DOLLARS PER TON	TOTAL VALUE
Chardonnay	2003	14,605	1,136	15,741	46,825	\$ 1,574.65	\$ 73,733,500
	2002	13,857	1,861	15,718	60,844	\$ 1,730.46	\$ 105,288,000
Chenin Blanc	2003	29	0	29	170	\$ 650.33	\$ 110,700
	2002	37	0	37	200	\$ 655.29	\$ 131,000
French Colombard	2003	101	0	101	359	\$ 555.23	\$ 199,200
	2002	143	0	143	634	\$ 575.25	\$ 364,800
Gewürztraminer	2003	151	6	158	347	\$ 1,206.79	\$ 418,600
	2002	168	9	177	465	\$ 1,367.46	\$ 635,900
Muscat Blanc	2003	28	1	29	34	\$ 1,966.56	\$ 66,100
	2002	36	1	37	100	\$ 1,956.13	\$ 196,200
Pinot Blanc	2003	60	45	105	274	\$ 1,887.22	\$ 517,100
	2002	73	34	107	334	\$ 1,869.08	\$ 623,600
Sauvignon Blanc	2003	1,872	540	2,412	9,199	\$ 1,447.83	\$ 13,318,200
	2002	1,710	519	2,229	9,612	\$ 1,524.57	\$ 14,654,100
Semillon	2003	168	16	183	756	\$ 1,808.88	\$ 1,367,900
	2002	185	23	208	786	\$ 1,752.45	\$ 1,378,200
Viognier	2003	214	15	229	513	\$ 1,862.18	\$ 955,900
	2002	198	22	220	606	\$ 2,162.62	\$ 1,310,600
White Riesling	2003	27	7	34	60	\$ 2,172.63	\$ 130,200
	2002	28	0	28	74	\$ 2,025.30	\$ 149,700
Other Whites	2003	477	196	673	1,368	\$ 1,747.15	\$ 2,389,400
	2002	319	440	759	1,667	\$ 1,495.26	\$ 2,492,000
TOTAL WHITES	2003	17,732	1,961	19,693	59,904	\$ 1,555.93	\$ 93,206,800
	2002	16,753	2,908	19,661	75,322	\$ 1,689.08	\$ 127,224,100

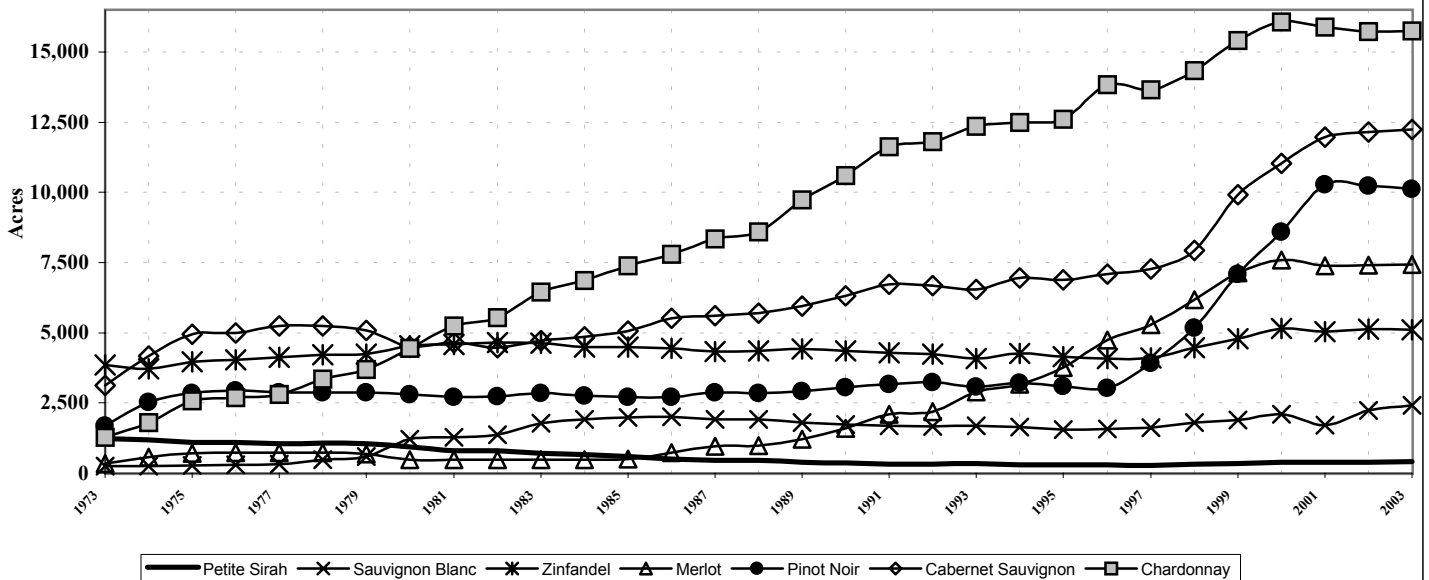
Dollars per Ton by Varietal 1989-2003



# RED WINE GRAPE PRODUCTION

VARIETY	YEAR	Acres			Production		
		BEARING	NON-BEARING	TOTAL	TONS	DOLLARS PER TON	TOTAL VALUE
Cabernet Franc	2003	612	75	687	1,813.20	\$ 2,580.74	\$ 4,679,400
	2002	560	118	678	1,927.50	\$ 2,532.25	\$ 4,881,000
Cabernet Sauv.	2003	10,554	1,682	12,237	36,471.40	\$ 2,537.94	\$ 92,562,300
	2002	9,018	3,125	12,143	32,258.10	\$ 2,694.93	\$ 86,933,400
Carignane	2003	183	3	186	397.50	\$ 1,718.81	\$ 683,300
	2002	188	3	191	498.70	\$ 1,562.64	\$ 779,300
Merlot	2003	7,027	402	7,429	20,917.50	\$ 1,768.89	\$ 37,000,800
	2002	6,698	712	7,410	29,037.30	\$ 1,965.47	\$ 57,072,000
Meunier	2003	109	13	122	572.60	\$ 2,060.14	\$ 1,179,700
	2002	109	3	112	426.50	\$ 2,164.26	\$ 923,100
Napa Gamay	2003	42	0	42	51.60	\$ 1,060.86	\$ 54,800
	2002	49	0	49	93.90	\$ 1,089.40	\$ 102,300
Petite Sirah	2003	357	55	412	1,194.30	\$ 2,503.94	\$ 2,990,500
	2002	313	83	397	1,083.60	\$ 2,534.18	\$ 2,746,100
Petite Verdot	2003	144	31	175	400.10	\$ 2,676.19	\$ 1,070,800
	2002	87	86	174	308.80	\$ 2,560.45	\$ 790,700
Pinot Noir	2003	8,328	1,784	10,113	18,759.10	\$ 2,011.54	\$ 37,734,700
	2002	6,434	3,821	10,255	19,571.00	\$ 2,131.66	\$ 41,718,800
Sangiovese	2003	407	33	440	1,374.20	\$ 2,040.91	\$ 2,804,700
	2002	386	66	453	1,791.90	\$ 2,048.31	\$ 3,670,400
Syrah-shiraz	2003	1,359	433	1,792	5,666.20	\$ 2,060.09	\$ 11,672,900
	2002	1,040	717	1,758	5,424.40	\$ 2,254.26	\$ 12,228,100
Zinfandel	2003	4,504	607	5,111	11,561.30	\$ 2,334.96	\$ 26,995,200
	2002	4,300	828	5,128	13,384.60	\$ 2,494.52	\$ 33,388,200
Other Reds	2003	816	718	1,535	1,684.90	\$ 2,152.29	\$ 3,626,400
	2002	651	832	1,483	2,011.30	\$ 2,436.88	\$ 4,901,300
Total Reds	2003	34,443	5,836	40,280	100,863.90	\$ 2,211.45	\$ 223,055,500
	2002	29,834	10,395	40,230	107,817.60	\$ 2,319.98	\$ 250,134,700
Total All Wine Grapes	2003	52,176	7,797	59,973	160,768.10	\$ 1,947.38	\$ 313,076,600
	2002	46,587	13,304	59,891	183,139.10	\$ 2,055.39	\$ 376,422,300

Total Wine Grape Acreage by Varietal 1973-2003



# LIVESTOCK AND POULTRY

Item	Year	Number of Head	Total Live Weight	Unit	Dollar Value	
					\$/Unit	Total
Cattle/Calves	2003	34,478	179,954	cwt.	\$ 68.75	\$ 12,372,100
	2002	34,377	179,826	cwt.	\$ 64.10	\$ 11,527,100
Sheep/Lambs	2003	17,775	18,956	cwt.	\$ 78.95	\$ 1,496,600
	2002	19,244	20,522	cwt.	\$ 61.29	\$ 1,257,800
Hogs	2003	1,677	4,005	cwt.	\$ 34.46	\$ 138,100
	2002	1,863	3,901	cwt.	\$ 43.00	\$ 167,800
Miscellaneous (A)	2003					\$ 40,886,800
	2002					\$ 41,886,500
TOTAL	2003					\$ 54,893,600
	2002					\$ 54,839,200

(A) includes chicks, ducks, turkey poults, fryers, roasters, turkeys, etc.

# LIVESTOCK AND POULTRY PRODUCTS

Item	Year	Production	Unit	Dollar Value	
				\$/Unit	Total
Milk, Market	2003	6,459,424	cwt.	\$ 12.28	\$ 79,321,800
	2002	6,630,314	cwt.	\$ 11.47	\$ 76,049,800
Milk, Manufacturing	2003	12,492	cwt.	\$ 11.82	\$ 147,700
	2002	14,612	cwt.	\$ 11.13	\$ 162,700
Wool	2003	119,500	lb.	\$ 0.40	\$ 47,800
	2002	91,734	lb.	\$ 0.40	\$ 36,700
Miscellaneous Products (B)	2003				\$ 13,195,800
	2002				\$ 8,865,300
TOTAL	2003				\$ 92,713,100
	2002				\$ 85,114,500

(B) includes market duck eggs, turkey hatching eggs, chicken eggs for consumption, egg bi-products and goat milk

# LIVESTOCK AND POULTRY INVENTORY

(Number of head as of January 1, 2002—furnished by California Agricultural Statistics Service)

Item	Number				
Cattle and Calves (all)	81,000				
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Milk Cows and heifers 2 years and over</td> <td style="text-align: right; padding-right: 20px;">32,000</td> </tr> <tr> <td style="padding-left: 20px;">Beef cows and heifers 2 years and over</td> <td style="text-align: right; padding-right: 20px;">14,000</td> </tr> </table>		Milk Cows and heifers 2 years and over	32,000	Beef cows and heifers 2 years and over	14,000
Milk Cows and heifers 2 years and over	32,000				
Beef cows and heifers 2 years and over	14,000				
Sheep and Lambs (all)	12,100				
Hogs	1,677				
Laying Hens and Pullets	882,316				
Turkey Breeders	39,297				
Horses	14,595				

# FRUITS AND NUTS SUMMARY

Crop	Year	Bearing			Dollar Value	
		Acres	Tons/Acre	Total Tons	\$/Ton	Total
Apples (all)	2003	3,008	15.80	47,528	\$151	\$ 7,166,600
	2002	2,956	9.07	26,804	\$171	\$ 4,585,700
Fresh	2003				\$ 842,900	
	2002				\$ 516,900	
Processed (A)	2003				\$ 6,323,700	
	2002				\$ 4,068,800	
Grapes (wine)	2003	52,176	3.08	160,768	\$1,947	\$ 313,076,600
	2002	46,587	3.93	183,139	\$2,055	\$ 376,422,300
Prunes (B)	2003	8	0.63	5	\$810	\$ 4,100
	2002	55	1.36	75	\$723	\$ 54,300
Walnuts	2003	86	1.73	149	\$1,000	\$ 149,000
	2002	188	0.79	149*	\$1,140	\$ 169,900*
Miscellaneous (C)	2003					\$ 574,900
	2002					\$ 434,100
TOTAL	2003					\$ 320,971,200
	2002					\$ 381,666,300

(A) includes canned, juice/cider, vinegar

(B) dry tons

(C) includes bush-berries, kiwi, black walnuts, plums, all pears, strawberries, figs, chestnuts, olives, etc.

\* Revised

# APIARY PRODUCTS

Total Value (D)	2003	\$ 113,100
	2002	\$ 104,700

(D) includes honey, wax and pollination

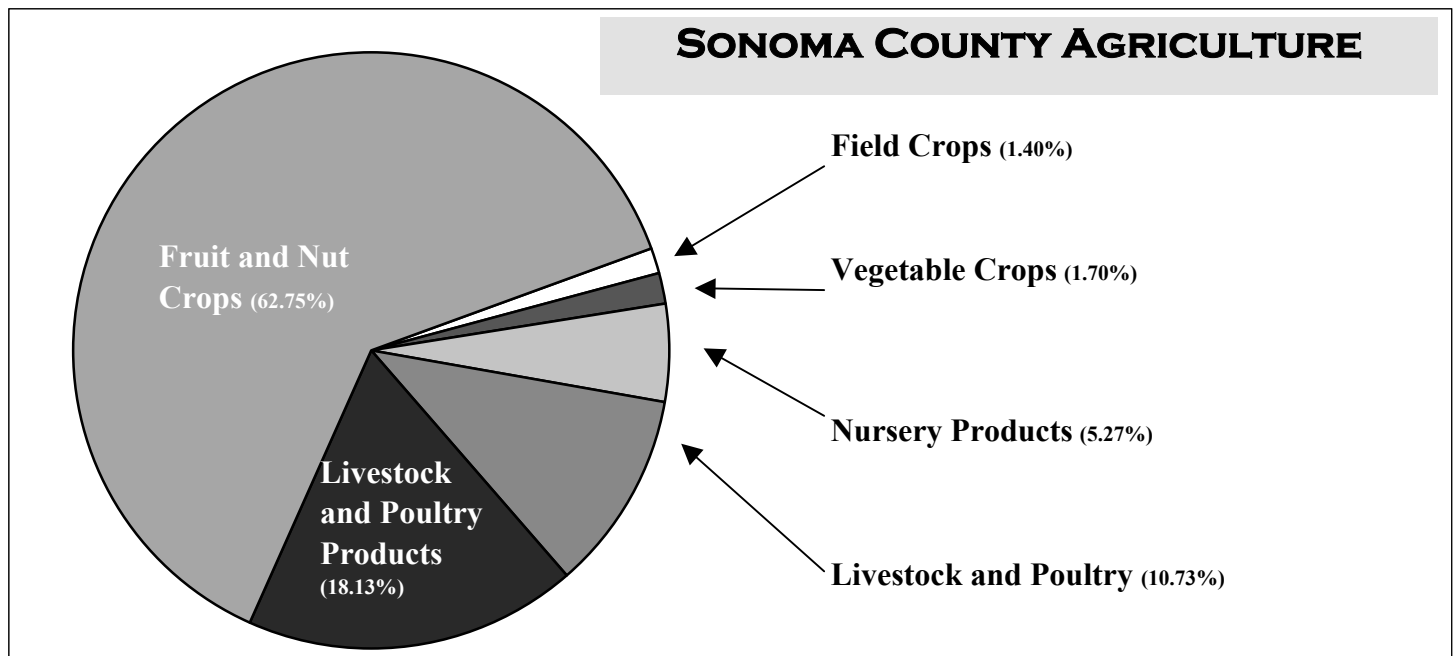
# VEGETABLE CROPS

Crop	Year	Harvested Acreage	Dollar Value
Miscellaneous Truck Farms (E)	2003	383	\$ 8,701,700
	2002	562	\$ 10,131,400

(E) includes melons, mushrooms, potatoes, pumpkins, sprouts, squash, tomatoes, lettuces, etc.

# RECAPITULATION

	2002	2003	Change
Apiary Products	\$ 104,700	\$ 113,100	8.0%
Field Crops *	\$ 6,647,800	\$ 7,158,900	7.7%
Vegetable Crops	\$ 10,131,400	\$ 8,701,700	-14.1%
Nursery Products	\$ 26,067,100	\$ 26,960,100	3.4%
Livestock and Poultry	\$ 54,839,200	\$ 54,893,600	0.1%
Livestock and Poultry Products	\$ 85,114,500	\$ 92,713,100	8.9%
Fruit and Nut Crops	\$ 381,666,300	\$ 320,971,200	-15.9%
<b>Total</b>	<b>\$ 564,571,000</b>	<b>\$ 511,511,700</b>	<b>-9.4%</b>



## MILLION DOLLAR CROPS

1	Wine Grapes ~ All	\$ 313,076,600
2	Market Milk	\$ 79,321,800
3	Misc. Livestock and Poultry	\$ 40,886,800
4	Misc. Livestock and Poultry Products	\$ 13,195,800
5	Cattle and Calves	\$ 12,372,100
6	Misc. Nursery Production	\$ 10,306,000
7	Nursery ~ Ornamentals	\$ 9,639,100
8	Vegetables	\$ 8,701,700
9	Apples ~ All Varieties	\$ 7,166,600
10	Nursery ~ Cut Flowers	\$ 3,596,300
11	Nursery ~ Bedding Plants	\$ 1,540,900
12	Sheep and Lambs	\$ 1,496,600
13	Hay ~ All	\$ 1,414,100

\* Revised figures

# SUSTAINABLE AGRICULTURE REPORT

By Cree J. Morgan

## 1993-2003 Biological Control Program

Targeted Noxious Weed	Biological Control
YELLOW STARThISTLE ( <i>Centaurea solstitialis</i> )	Flower Weevil ( <i>Larinus curtus</i> ) Hairy Weevil ( <i>Eustenopus villosus</i> ) Yellow Starthistle Seedhead weevil ( <i>Bangasternus orientalis</i> ) Yellow Starthistle Seedhead Gall Fly ( <i>Urophora sirunaseva</i> )
RED GUM LERP PSYLLID ( <i>Glycaspis brimblecombei</i> )	( <i>Psyllaphaegus blitens</i> )
BULL THISTLE ( <i>Cirsium vulgare</i> )	Seed Head Gall Fly ( <i>Urophora stylata</i> )
PURPLE STARThISTLE ( <i>Centaurea calcitrapa</i> )	Lesser knapweed flower Weevil ( <i>Larinus minutus</i> ) Broad-nosed Seedhead Weevil ( <i>Bangasternus fausti</i> )
GORSE ( <i>Ulex europaeus</i> )	Gorse Spider Mite ( <i>Tetranychus lintearius</i> )
BLUE GUM PSYLLID ( <i>Ctenarytaina eucalypti</i> )	<i>Psyllaephagus pilosus</i>
ASH WHITEFLY ( <i>Siphoninus phillyreae</i> )	<i>Encarsia partenopea</i>
BULL THISTLE ( <i>Cirsium vulgare</i> )	Seedhead Gall Fly ( <i>Urophora stylata</i> )

## Organic Farming Statistics

164 individual organic registrants

Commodity	Registrants	Acres
Eggs	7	N/A
Fruit/Nuts	75	1442
Grain/Hay	7	1879
Milk	7	N/A
Nurseries	26	37
Vegetables	73	261
Wine Grapes	20	533
Handlers	17	N/A

## Pest Detection

**Trapping:** There were 1,393 traps placed for the detection of exotic insect pests including Mediterranean, Oriental, Olive and Melon Fruit Flies, Gypsy Moth, Japanese Beetle, Khapra Beetle, and Western Grapeleaf Skeletonizer, which were serviced 13,203 times. There were 545 traps placed for the Glassy-winged Sharpshooter (GWSS), which were serviced 6,528 times.

**Entryway Survey:** 291 miles and 20 properties were surveyed for the presence of noxious weed and disease pests.

## Pest Exclusion

A total of 2,107 premise visits occurred in 2003. At these visits, we inspected 40,736 shipments of plant material. Inspections occurred at the express carriers, nurseries, post offices, feed mills, post entry inspections, and pet stores. To assist our nursery industry, we issued 126 federal phytosanitary documents for international shipments, and 1,387 state phytosanitary documents for shipments to other states. Two hundred twenty-two rejections of plant material were made, which is a decrease of 27% compared with 2002 rejections. Rejected plant material was either destroyed or reconditioned and released.

To prevent the spread of GWSS into Sonoma County, from infested counties, department personnel inspected all shipments of nursery material arriving from these counties. More than 2,800 shipments were inspected; there were no adults or viable egg masses found. Wineries receiving bulk grapes from infested counties were under compliance agreements requiring the shipping vineyards to be inspected and determined to be free from GWSS or be treated. Ten wineries received 110 shipments, from three infested counties. All were from vineyards free from GWSS.

## Listed below are a few of the economically important pest species intercepted in 2003:

Lesser Snow Scale <i>Pinnaspis strachani</i>	Mining Scale <i>Howardia biclavis</i>	Magnolia White Scale <i>Pseudaulacaspis cockerelli</i>	Purple Loosestrife <i>Lythrum salicaria</i>
Pyriform Scale <i>Protospulvinaria pyriformis</i>	Slender Soft Scale <i>Coccus acutissimus</i>	"Leafhopper" <i>Empoasca</i> sp.	QuackGrass <i>Elytrigia repens</i>
Spiraling Whitefly <i>Aleurodicus dispersus</i>	Scarab Beetle <i>Cyclocephala</i> sp.	"Lygaeid Bug" <i>Metaplexis ditomoides</i>	"Planthopper" <i>Kallitaxila granulatas</i>
Mango Shield Scale <i>Milviscutulus mangiferae</i>	Spike Watermilfoil <i>Myriophyllum spicatum</i>	Bigheaded Ant <i>Pheidole megacephala</i>	Unilobed Scale <i>Pinnaspis uniloba</i>

# 2003 STAFF

*Agricultural Commissioner/Sealer*

John Westoby

*Assistant Agricultural Commissioner/Sealer*

Michael Smith

*Department Analyst*

Esther Martinez

*Chief Deputy Agricultural Commissioner*

Lisa Correia

*Agriculture and Vineyard Conservation Coordinator*

Gail Davis

*Deputy Agricultural Commissioner*

Joseph Gray ~ Stefan Parnay ~ Alexis Ramey

*Senior Agricultural Biologist/Standards Specialist*

Priscilla Lane ~ Bruce McArthur ~ Marilyn Vernon

*Agricultural Biologist/Standards Specialist*

Pete Albers ~ Gary Bjork ~ Dan Curtin ~ Ron Inman ~ Alex McVicker  
Cree J. Morgan ~ Sue Ostrom ~ Jim Raisner ~ Paul Turano

*County Trapper*

James O'Brien

*Administrative Support Staff*

Charlene Fogerson ~ Laura Knudsen ~ Naomi Lozinto ~ Charity McGuire

*Other Support Staff*

Nancy Fiddler ~ Arron Fogerson ~ April Goltermann ~ Art McLaughlin  
Rebecca Mundell ~ John O'Keefe ~ Richard Opbroek ~ Stan Peterson  
Margaret Sharp ~ Wes Sheehy ~ Andrew Smith ~ Stacie Spaeth  
Phil Stevens ~ Zsuzsanna Vnagy