

The cover . . .

. . . depicts field harvesting in the multi-million dollar cauliflower industry in Santa Barbara County. With nearly 9000 acres and gross receipt approaching \$29.5 million, Santa Barbara County is California's second leading cauliflower producer.

The cover for the 1992 Agricultural Production Report was drawn by Nat D. Fast.

NEWS RELEASE

Ronald M. Gilman, Agricultural Commissioner for Santa Barbara County, announced today the release of the 1992 Agricultural Production Report. This report documents the acreage, yield and gross dollar value of agricultural commodities produced in Santa Barbara County. It must be emphasized that the values in this report represent gross values and that the cost of production, transportation and marketing must be subtracted to determine the net returns to growers.

Agriculture continues to be the County's major producing industry with a gross production value for 1992 of \$455,002,426. Although the overall value of agricultural production was down slightly for the second consecutive year, agriculture continues to provide a strong base for our local economy. Because of the diversity of Santa Barbara County's agriculture, its impact on the local economy has remained stable in comparison to other industries. And, through the multiplier effect, agriculture has a total contribution to the local economy of over one billion dollars.

The weather in 1992 was an important factor influencing agriculture. Near normal rainfall was welcomed after many years of drought conditions. It replenished surface and ground water stores. Rangeland and non-irrigated farming benefited. However, hurricane Darby brought six consecutive days of unusually high humidity and high temperatures in early July that negatively impacted many crops at their peak production.

Broccoli ranks as Santa Barbara County's leading commodity in 1992 with gross receipts exceeding \$68.5 million. There was an increase of more than 6000 acres of broccoli harvested in 1992 as compared with the 1991 figures reported. Strawberries, after holding the lead spot for the past 7 years, is ranked second with gross receipts of nearly \$56.7 million. The strawberry crop, with a 16.2% decrease in fresh market fruit and an additional 41.7% decrease in processed fruit combined with lower market prices, experienced a drop of \$25.5 million compared with 1991. Head lettuce, cauliflower and cattle complete the list of the top five commodities produced in 1992.

Vegetable crops in general had modest drops in yields and per unit values. Notable exceptions were celery and edible pod peas, both of which realized higher yields and values. Asparagus, with 385 acres and a value of nearly \$1.9 million, is a new listing in this year's report.

Field crops, such as grain, alfalfa, hay and beans, experienced lower prices overall that led to a \$3.1 million decrease or about 20% drop in value.

Fruit and nut crops fell approximately \$34.5 million compared with 1991 figures. Most major crops in this category suffered from lower market prices. Avocados showed lower returns as the trees are still recovering from the effects of the 1990 freeze.

Nursery crops realized a decrease of nearly \$6.7 million mainly due to a reduction of 1.5 million square feet of greenhouse area devoted to nursery production. Some flower growers were faced with disease problems that reduced their marketable crop significantly in 1992.

Seed crop values dropped slightly in 1992 mainly due to weather related problems.

Livestock showed an increase of \$3.7 million in 1992. This can be attributed to improved grazing brought on by near normal rainfall.

Commissioner Gilman reiterated the importance of agriculture in the local economy by stating that Santa Barbara County ranks fifth in California for vegetable production, 14th in in the state for total agriculture production and that a large part of the success of agriculture in this county is the diversity of the crops grown here. This diversity is apparent by the 37 commodities with gross values exceeding \$1 million.

Copies of the Santa Barbara County Agricultural Production Report may be obtained at no charge at any of the Agricultural Commissioner's offices.

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	Year	Production		Value			Per Unit	Total
		Harvested Acreage	Per Acre	Total	Unit	Wt.		
Asparagus*	1992	385	103.48	39,840	CTN	30#	\$46.96	\$1,870,886
Broccoli								
Total	1992	24,757						68,588,744
	1991	18,535						60,840,279
Fresh	1992	20,661	672.04	13,885,018	CTN	22#	4.38	{60,816,379}
	1991	15,036	659.27	9,912,784	CTN	22#	5.40	{53,529,034}
Frozen	1992	4,096	5.00	20,480	TON	TON	379.51	{7,772,365}
	1991	3,499	5.77	20,189	TON	TON	362.14	{7,311,245}
Cabbage	1992	768	831.93	638,922	CTN	50#	4.60	2,939,041
	1991	938	851.66	798,857	CTN	50#	5.15	4,114,114
Carrots	1992	3,053	35.57	108,595	TON	TON	47.74	5,184,325
	1991	3,119	36.69	114,436	TON	TON	52.74	6,035,355
Cauliflower	1992	8,920	583.66	5,206,247	CTN	25#	5.66	29,467,358
	1991	8,676	591.64	5,133,069	CTN	25#	7.40	37,984,711
Celery	1992	2,724	1,112.51	3,030,477	CTN	60#	5.59	16,940,366
	1991	2,627	1,058.64	2,781,047	CTN	60#	5.03	13,988,666
Lettuce, Head	1992	9,909	700.02	6,936,498	CTN	50#	5.70	39,538,039
	1991	9,005	752.72	6,778,244	CTN	50#	6.54	44,329,716
Lettuce, Leaf	1992	1,644	643.91	1,058,588	CTN	30#	5.25	5,557,587
	1991	1,424	641.77	913,881	CTN	30#	5.19	4,743,042
Peas, Edible Pod	1992	1,205	471.66	568,350	CTN	10#	12.58	7,149,843
	1991	1,071	537.00	575,127	CTN	10#	8.44	4,854,072
Spinach	1992	854	553.57	472,749	CTN	20#	4.42	2,089,551
	1991	694	727.30	504,746	CTN	20#	5.20	2,624,679
Squash, Summer	1992	1,296	367.70	476,539	CTN	26#	5.17	2,463,707
	1991	985	513.67	505,965	CTN	26#	5.43	2,747,390
Miscellaneous	1992	6,719						19,694,877
	1991	7,052						24,338,411
Total	1992	62,234						\$201,484,324
	1991	54,126						206,600,435

* Asparagus production increased sufficiently to report separately.

	Year	Production		Total	Value		
		Harvested Acreage	Per Acre		Unit	Per Unit	Total
Barley	1992	1,945	14.44	28,086	CWT	\$5.62	\$157,843
	1991	1,359	27.49	37,359	CWT	5.77	215,561
Beans							
Lima	1992	5,334	14.70	78,410	CWT	40.00	2,764,400
	1991	4,966	21.22	105,379	CWT	47.30	4,984,427
Miscellaneous	1992	585					263,298
	1991	299					290,975
Alfalfa	1992	3,406	8.05	27,418	TON	84.18	2,308,047
	1991	4,236	7.60	32,194	TON	94.99	3,058,108
Hay, Grain	1992	5,205	2.91	15,147	TON	59.60	902,761
	1991	5,457	2.47	13,479	TON	66.47	895,949
Pasture							
Irrigated	1992	6,176				115.00	710,240
	1991	6,326				110.00	695,860
Non-irrigated*	1992	596,895				7.20	4,297,644
	+1991	596,895				7.09	4,231,986
Silage	1992	1,758	11.75	20,657	TON	23.93	494,322
	1991	1,357	15.74	21,359	TON	23.09	493,179
Wheat	1992	2,248	12.21	27,448	CWT	5.47	150,141
	1991	2,100	11.29	23,709	CWT	5.20	123,287
Miscellaneous	1992	41					18,804
	1991	431					107,431
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Total	1992	623,593					\$12,067 500
	+1991	623,704					15,181,631

* Grazing land as defined by Farmland Mapping & Monitoring Program (Excludes U.S. Forest Service grazing allotments).

+ Revised

	Year	Production			Value			
		Planted Acreage	Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
Avocados	1992	9,561	8,913	1.37	12,211	TON	\$1,150.43	\$14,047,901
	1991	9,933	8,541	1.18	10,078	TON	1,624.78	16,374,533
Grapes	1992	9,532	9,036	3.06	27,650	TON	1,011.23	27,960,510
	1991	9,505	8,889	3.56	31,645	TON	1,036.01	32,784,537
Lemons	1992	1,579	1,469	12.21	17,937	TON	366.81	6,579,471
	1991	1,436	1,351	9.84	13,294	TON	586.10	7,791,613
Strawberries								
Total	1992	5,280	5,280					56,779,539
	1991	5,014	5,014					82,297,364
Fresh	1992			1,851.83	9,777,662	12#	4.70	{45,955,011}
	1991			2,585.70	11,671,850	12#	5.44	{63,494,864}
Processing	1992			4.15	21,912	TON	494.00	{10,824,528}
	1991			7.50	37,605	TON	500.00	{18,802,500}
Walnuts	1992	605	542	1.15	623	TON	1,160.00	722,680
	1991	653	614	1.45	890	TON	1,106.00	984,340
Miscellaneous	1992	781	757					4,748,242
	1991	850	733					3,078,471
Total	1992	27,338	25,997					\$110,838,343
	1991	27,391	25,142					143,310,858

	<u>Production Area</u>		<u>Value</u>
	<u>Year</u>	<u>House Sq. Ft.</u>	<u>Field Acres</u>
<u>Total</u>			
<u>Cut Flowers & Cut Greens</u>			
Carnations	1992	914,480	
	1991	790,040	
			890,416
Chrysanthemums	1992	7,492,860	
	1991	8,323,272	
			8,501,799
Gerbera	1992	946,480	
	1991	878,000	
			4,820,330
Gypsophila	1992		291.00
	1991		344.00
			2,895,842
Orchids	1992	1,578,890	
	1991	1,660,605	
			6,040,802
Roses	1992	1,526,000	
	1991	1,412,000	
			5,923,557
Statice	1992		122.64
	1991		129.40
			697,152
Miscellaneous Flowers	1992	2,526,885	552.38
	1991	2,640,170	344.25
			9,666,859
Miscellaneous Greens, Trees and Wood Products	1992		134.75
	1991	5,000	138.75
			1,334,561
			652,885
<u>Potted Plants</u>			
Chrysanthemums	1992	1,900,500	
	1991	4,346,900	
			3,481,600
Foliage Plants	1992	1,076,530	
	1991	918,260	
			2,154,800
Orchid Plants	1992	1,433,280	
	1991	1,303,875	
			2,418,400
Poinsettias	1992	409,600	
	1991	587,300	
			941,312
Miscellaneous Flowering Plants	1992	2,095,670	9.37
	1991	2,229,938	3.00
			6,892,070
			6,173,799

Nursery Products cont.

	<u>Production Area</u>			<u>Value</u>
	<u>Year</u>	<u>House Sq. Ft.</u>	<u>Field Acres</u>	<u>Total</u>
Herbaceous Perennials, Ground Covers, Turf, Bulbs & Bedding Plants	1992	99,000	234.00	5,301,700
	1991	16,651	405.70	6,693,810
Transplants: Vegetables, Fruit Trees & Vines	1992	3,034,500	268.50	3,427,631
	1991	1,652,960	234.80	3,364,301
Woody Ornamentals & Ground Covers	1992	132,213	184.30	7,104,550
	1991	2,200	261.90	7,767,709
Total	1992	25,166,888	1,796.94	\$76,822,446
	1991	26,767,171	1,861.80	83,484,409

	<u>Year</u>	<u>Production</u>		<u>Total</u>	<u>Unit</u>	<u>Per</u>	<u>Value</u>
		<u>Harvested Acreage</u>	<u>Per Acre</u>			<u>Unit</u>	<u>Total</u>
Bean Seed	1992	2,208	17.39	38,397	CWT	\$57.22	\$2,197,076
	1991	2,239	20.86	46,706	CWT	57.75	2,697,272
Flower Seed	1992	1,014					3,750,662
	1991	914					4,230,207
Vegetable Seed	1992	630					1,612,351
	1991	469					1,535,895
Total	1992	3,852					\$7,560,089
	1991	3,622					8,463,374

	<u>Production</u>		<u>Total Liveweight</u>	<u>Value</u>		
	<u>Year</u>	<u>No. of Head</u>		<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Cattle and Calves	1992	54,359	397,121	CWT	\$72.26	\$28,695,963
	1991	48,003	300,018	CWT	82.82	24,847,491
Hogs and Pigs	1992	617	1,134	CWT	47.82	54,228
	1991	1,132	2,611	CWT	51.03	133,239
Sheep and Lambs	1992	4,660	5,751	CWT	77.54	445,933
	1991	4,505	5,431	CWT	60.52	328,684
Miscellaneous	1992					4,880,546
	1991					5,085,547
Total	1992					\$34,076,670
	1991					30,394,961

<u>Total</u>	<u>Year</u>	<u>Production</u>	<u>Per Unit</u>	<u>Value</u>	
				<u>Unit</u>	<u>Unit</u>
Apiary	1992				\$635,889
	1991				616,067
Milk and Milk Products	1992	613,438	CWT	\$11.66	7,152,687
	1991	589,648	CWT	11.56	6,816,331
Wool	1992	69,823	LBS	.69	48,178
	1991	49,500	LBS	.60	29,700
Miscellaneous	1992				4,316,300
	1991				5,169,475
Total	1992				\$12,153,054
	1991				12,631,573

MISCELLANEOUS CROPS

VEGETABLES

Includes: Anise, artichoke, beans (snap), beets, carrots (bunch), chinese vegetables, cilantro, corn (sweet), cucumbers, endive, escarole, herbs, kale, leeks, mixed vegetables, onions, parsley, peppers, potatoes, pumpkins, squash (winter), tomatillos, tomatoes, and turnips.

FIELD CROPS

Miscellaneous beans

Includes: Garbanzo, fava, pinto and yellow beans.

Miscellaneous

Includes: Bean straw, grain straw, and oat seed.

FRUIT AND NUT CROPS

Includes: Apples, apricots, cherimoyas, guava, kiwis, limes, macadamias, passion fruit, persimmons, pistachios, raspberries and sapote.

NURSERY PRODUCTS

Miscellaneous cut flowers

Includes: Agapanthus, alstroemeria, anemone, asters, bouvardia, calla lilies, daisies, delphinium, freesias, gardenias, gladiolas, godetia, iris, larkspur, leptospermum, lily, proteas, snap dragon, stock and tuberose.

Miscellaneous flowering plants

Includes: African violets, azaleas, begonias, bromeliads, carnations, cyclamen, dianthus, exacum, fuchsias, geraniums, gerberas, hydrangeas, roses and tulips.

LIVESTOCK AND POULTRY

Includes: Breeding stock, chickens and goats.

LIVESTOCK, POULTRY AND APIARY PRODUCTS

Includes: Eggs, and fertilizer.

MILLION DOLLAR PRODUCTS

1992 Ranking

1991 Ranking

<u>1992 Ranking</u>			<u>1991 Ranking</u>
1	Broccoli	68,588,744	2
2	Strawberries	56,779,539	1
3	Lettuce, head	39,538,039	3
4	Cauliflower	29,467,358	4
5	Cattle	28,695,963	6
6	Grapes	27,960,510	5
7	Celery	16,940,366	8
8	Avocados	14,047,901	7
9	Cut Flowers, Miscellaneous	9,666,859	10
10	Chrysanthemums, cut	8,501,799	9
11	Milk	7,152,687	14
12	Peas, edible pods	7,149,843	22
13	Woody Ornamentals	7,104,550	12
14	Flowering Plants	6,892,070	17
15	Lemons	6,579,471	11
16	Roses	6,450,000	20
17	Orchids, Potted	6,381,806	16
18	Orchids, Cut	6,040,802	19
19	Lettuce, leaf	5,557,587	23
20	Herbaceous Plants	5,301,700	15
21	Carrots	5,184,325	18
22	Gerberas	4,820,330	24
23	Pasture, non-irrigated	4,297,644	25
24	Flower Seed	3,750,662	26
25	Chrysanthemums, potted	3,481,600	13
26	Transplants: Vegetables, Fruit Trees & Vines	3,427,631	29
27	Cabbage	2,939,041	28
28	Gypsophila	2,895,842	27
29	Beans, Lima	2,764,400	21
30	Squash, Summer	2,463,707	31
31	Alfalfa	2,308,047	30
32	Bean Seed	2,197,076	32
33	Foliage Plants	2,154,800	35
34	Spinach	2,089,551	33
35	Asparagus	1,870,886	0
36	Vegetable Seed	1,612,351	37
37	Miscellaneous: Greens, Trees and Wood Products	1,334,561	0

SUMMARY

	<u>YEAR</u>	<u>ACREAGE</u>	<u>FOB VALUE</u>
Vegetables	1992	62,234	\$201,484,324
	1991	54,126	206,600,435
Field Crops	1992	623,593	12,067,500
	+1991	623,704	15,181,631
Fruit & Nut Crops	1992	25,997	110,838,343
	1991	25,142	143,310,858
Nursery Products	1992	2,375	76,822,446
	1991	2,476	83,484,409
Seed Crops	1992	3,852	7,560,089
	1991	3,622	8,463,374
Livestock and Poultry	1992		34,076,670
	1991		30,394,961
Livestock, Poultry and Apiary Products	1992		12,153,054
	1991		12,631,573
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Total	1992	718,051	\$455,002,426
	+1991	709,070	500,067,241

+ Revised

COMPARATIVE AGRICULTURAL VALUES

1992	\$455,002,426
+1991	500,067,241
1990	508,517,249
1989	481,283,756
1988	436,515,018
1987	381,670,169
1986	348,169,389
1985	341,811,369
1984	323,110,206
1983	318,903,463
1982	317,152,978
1981	308,773,222
1980	299,862,444
1979	248,525,596
1978	208,020,620
1977	190,907,996
1976	165,867,484

+ Revised

VEGETABLE CROPS

	YEAR	HARVESTED ACREAGE	TOTAL UNIT	PRODUCTION TOTAL	VALUE
Anise	1992	190.0		98,133 CTN	841,000
Artichokes	1992	529.0		225,840 CTN	1,186,817
Arugula	1992	10.0		2,133 CTN	26,570
Baby Vegetables	1992	450.0		0 CTN	461,257
Beans, Snap	1992	53.0		7,592 CTN	90,605
Beets	1992	94.0		66,603 CTN	101,305
Bell Peppers	1992	217.0		233,003 CTN	1,776,000
Carrots, Bunch	1992	172.0		83,898 CTN	615,728
Celery Root	1992	14.0		17,706 CTN	116,540
Cherry Tomatoes	1992	365.0		87,716 CTN	599,642
Chinese Vegetables	1992	223.0		150,678 CTN	1,219,226
Cilantro	1992	491.0		487,642 CTN	2,291,584
Cilantro, Dehyd.	1992	196.0		63,925 LBS	166,205
Collards	1992	18.0		10,800 CTN	42,300
Corn, Sweet	1992	434.0		145,939 CTN	814,529
Cucumber	1992	76.0		207,327 CTN	1,641,961
Endive	1992	17.0		13,786 CTN	72,278
Escarole	1992	10.0		7,758 CTN	38,704
Frisee	1992	60.0		27,396 CTN	309,708
Green Onion	1992	1.0		2,500 CTN	1,000
Grn.Beans,Process	1992	415.0		2,490 TON	498,000
Kale	1992	233.0		237,405 CTN	1,303,869
Kohlrabi	1992	59.0		34,634 CTN	146,496
Leek	1992	24.0		24,181 CTN	166,575
Mache	1992	7.0		3,225 CTN	36,873
Mixed Vegetables	1992	43.0		119,594 CTN	278,738
Mizuma	1992	21.0		966 CTN	10,898
Onions, Dry	1992	3.0		75,000 LBS	4,500
Parsley, Dehyd	1992	864.0		773,078 LBS	463,865
Parsley	1992	104.0		141,343 CTN	643,124
Parsley, Root	1992	6.0		60,000 CTN	30,000
Parsnips	1992	40.0		800 CTN	80,000
Peppers	1992	92.0		77,972 CTN	1,042,892
Potatoes	1992	685.0		211,569 CTN	1,357,539
Radicchio	1992	52.0		8,265 CTN	74,953
Sprouts	1992	5.0		839 CTN	10,092
Tomatillos	1992	42.0		12,714 CTN	153,783
Turnips	1992	21.0		6,831 CTN	54,621
Winter Squash	1992	149.0		1,613 CTN	210,100

	YEAR	HARVESTED ACREAGE	PRODUCTION TOTAL	UNIT	VALUE TOTAL
Bean Straw	1992		38	TON	2,280
Garbanzos	1992	150.0	800	CWT	28,000
Grain Straw	1992	103.0	200	TON	7,900
Misc. Beans	1992	585.0	6,607	CWT	263,298
Oats, Seed	1992	30.0	450	CWT	6,300

FRUIT & NUT

	YEAR	HARVESTED ACREAGE	PRODUCTION TOTAL	UNIT	VALUE TOTAL
Apricots	1992	9.75	7,400	LBS	2,106
Cherimoya	1992	125.0	633,200	LBS	1,429,637
Guava	1992	7.0	6,270	LBS	8,190
Limes	1992	20.0	130,020	LBS	6,000
Macadamia Nuts	1992	24.0	1,000	LBS	5,900
Passion	1992	19.0	101,259	LBS	387,964
Peaches	1992	.5	1,000	LBS	800
Persimmons	1992	.5	700	LBS	1,000
Pistachio Nuts	1992	250.0	250,000	LBS	312,500
Raspberries	1992	72.0	83,463	LBS	1,137,315
Sapote	1992	7.0	93,810	LBS	121,518
Table Grapes	1992	.25	4,000	LBS	3,000
Unspecified	1992	1.0	511	CTN	1,371

MISCELLANEOUS NURSERY

	YEAR	SQUARE FOOT	ACREAGE	VALUE
Cut Flowers				
Agapanthus	1992	6,000		4,000
Alstromeria	1992	122,000	.5	283,391
Anemone	1992		.5	20,000
Asters	1992	653,400		1,601,832
Bouvardia	1992	21,000		368,000
Calla Lilies	1992		5	56,000
Daisies	1992		5	20,000
Delphinium	1992		7.125	703,053
Freesias	1992	100,000		100,000
Gardenias	1992	80,000		368,663
Godetia	1992		2.5	39,949
Iris	1992		1	17,000
Larkspur	1992		43	238,428
Lilies	1992	718,000		1,575,000
Monte Casino	1992	85,000		86,000
Protea	1992		96	364,026
Queen Ann	1992		2	24,485
Ranunculus	1992	255,400		86,000
Snap Dragons	1992	141,780		46,663
Stock	1992		210	702,120
Tuberose	1992		.25	400
Unspecified	1992	344,305	113.5	2,961,849
Flowering Plants				
A. Violets	1992	48,000		36,000
Azaleas	1992	6,000		35,000
Cyclamen	1992	12,000		12,000
Fuchsias	1992	90,000		65,000
Geraniums	1992	41,000		51,340
Haemanthus	1992	200		500
Hydrangeas	1992	9,000		15,600
Lilies	1992	30,000		64,350
Roses	1992	497,500		2,250,000
Unspecified	1992	839,250	26.67	4,912,280

LIVESTOCK

	YEAR	NUMBER OF HEAD	VALUE
Breeders	1992		4,054,500
Chickens	1992	269,030	610,698
Goats	1992	60	5,348

LIVESTOCK PRODUCTS

	YEAR	PRODUCTION	UNIT	VALUE
Eggs	1992	5,327,740	DOZ	4,191,466
Fertilizer	1992	7,814	TON	124,834

SANTA BARBARA COUNTY SUSTAINABLE AGRICULTURAL SUMMARY*

COUNTY BIOLOGICAL CONTROL EFFORTS

<u>PEST</u>	<u>BIO-CONTROL AGENT</u>	<u>SCOPE OF PROGRAM</u> ⁽¹⁾
Ash Whitefly <i>Siphonius phillyreae</i>	Hymenoptera wasp <i>Encarsia partenopea</i>	10 sites
Western Grapeleaf Skeletonizer <i>Harrisina brillians</i>	Diptera fly <i>Ametadoria sp.</i>	6 sites
Grape Leafhopper <i>Erythroneura elegantula</i>	Hymenoptera wasp <i>Anagrus epos</i>	200 acres
Russian Wheat Aphid <i>Diuraphis noxia</i>	Hymenoptera wasps <i>Aphelinus sp.</i> <i>Diaeretiella rapae</i>	40 acres
Woolly Whitefly <i>Aleurothrixus floccosus</i>	Hymenoptera wasps <i>Cales sp.</i> <i>Amitus sp.</i>	Various sites County-wide
Horn and Face Flies <i>Musca autumnalis</i> <i>Haematobia irritans</i>	Coleoptera: scarabaeidae <i>Onthophagus taurus</i> <i>O. gazella</i> <i>O. alexis</i>	76,000 acres
Ice Plant Scale <i>Pulvinariella mesembryanthemi</i>	Hymenoptera wasps <i>Metaphycus sp.</i>	Various sites County-wide
Yellow Starthistle <i>Centaurea solstitialis</i>	Coleoptera: Curculionidae <i>Bangasternus orientalis</i>	1 site (5000 acres)
Italian Thistle <i>Carduus pycnocephalus</i>	Coleoptera: Curculionidae <i>Rhinocyllus conicus</i>	various sites (500 acres)
Puncture Vine <i>Tribulus terrestris</i>	Coleoptera: Curculionidae <i>Microlarinus sp.</i>	3 site (100 acres)
Alfalfa Weevil <i>Hypera sp.</i>	Hymenoptera wasps <i>Microctonus sp.</i>	400 acres

* Section 2272 of the Food and Agricultural Code requires the Agricultural Commissioner to include a summary of sustainable agricultural in the Annual Report.

(1) Represents total number of individual sites, acres, etc. incorporated in the program efforts.

Sustainable Agriculture cont.

PEST EXCLUSION

<u>PEST (RATING)</u>	<u>HOST/MECHANISM/ORIGIN</u>	<u>NUMBER/DISPOSITION</u>
Magnolia White Scale (A) <i>Pseudaulacaspis cockerelli</i>	Palms/Airport/Hawaii Cut Flowers/Nursery/Florida	2 Treated/Released 7 Rejected/Destroyed
Aglaonema Scale (Q) <i>Aspidiotus excisus</i>	Cut Flowers/Airport/Hawaii	2 Rejected/Destroyed
Iris Bulb Mealybug <i>Ceroplastes rubens</i>	Iris Bulbs/Nursery/Holland	9 Rejected/Destroyed
Green Scale (Q) <i>Coccus viridis</i>	Cut Flowers/Airport/Hawaii	1 Rejected/Destroyed
A Mealybug (Q) <i>Phenacoccus sp.</i>	Cut Flowers/Airport/Hawaii	1 Rejected/Destroyed
Big Headed Ant (Q) <i>Pheidole megacephala</i>	Foliage Plants/Nursery/Hawaii	5 Treated/Released
Red Wax Scale (A) <i>Ceroplastes rubens</i>	Palms/Nursery/Hawaii	2 Treated/Released
Spiraling Whitefly (Q) <i>Aleurodicus dispersus</i>	Cut Flowers/Airport/Hawaii	5 Rejected/Destroyed
Eastern Tent Caterpillar (Q) <i>Malacosoma americanum</i>	Outdoor Articles/Truck/Eastern U.S.	6 Life Stages/Destroyed
Ants (Q) <i>Technomyrmex albipes</i> <i>Tapinoma Melanocephalum</i>	Cut Flowers/Airport/Hawaii	10 Rejected/Destroyed
Boxwood Scale (Q) <i>Pinnaspis buxi</i>	Cut Flowers/Common Carrier/Hawaii	4 Rejected/Destroyed
Lesser Snow Scale (A) <i>Pinnaspis strachani</i>	Cut Greens/Common Carrier/Hawaii	1 Rejected/Destroyed
Green Garden Looper (Q) <i>Chrysodeixis eriosoma</i>	Foliage Plants/Airport/Hawaii	3 Rejected/Destroyed
Coconut Scale (Q) <i>Aspidiotus destructor</i>	Cut Greens/Airport/Dominican Republic	1 Rejected/Destroyed
Green Shield Scale (A) <i>Pulvinaria psidii</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Destroyed
Palm Mealybug (Q) <i>Palmicultor palmarum</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Destroyed
Thrips (Q) <i>Dichromothrips corbeti</i> <i>Haplothrips sp.</i>	Cut Flowers/Common Carrier/Hawaii	2 Rejected/Destroyed

Sustainable Agriculture cont.

PEST EXCLUSION cont.

<u>PEST (RATING)</u>	<u>HOST/MECHANISM/ORIGIN</u>	<u>NUMBER/DISPOSITION</u>
Bamboo Pit Scale (Q) <i>Bambusaspis milaris</i>	Bamboo/Airport/Hawaii <i>robustus</i>	1 Rejected/Destroyed
An Armored Scale (Q) <i>Diaspidid sp.</i>	Foliage Plants/Nursery/Costa Rica	1 Rejected/Destroyed
A Leafhopper (Q) <i>Sophonia rufofascia</i>	Cut Flowers/Common Carrier/Hawaii	8 Rejected/Destroyed
An Egg Mass (Q) <i>Homoptera sp.</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Destroyed
A Katydid (Q) <i>Tettigoniid sp.</i>	Foliage Plants/Common Carrier/Hawaii	1 Rejected/Destroyed
A Whitefly (Q) <i>Aleurodicus destructor</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Destroyed

PEST DETECTION

<u>PEST</u>	<u>NUMBER of TRAPS</u>	<u>SERVICINGS</u>
Mediterranean Fruit Fly <i>Ceratitis capitata</i>	742	21,094
Oriental Fruit Fly <i>Dacus dorsalis</i>	421	14,904
Melon Fly <i>Dacus cucurbitae</i>	225	7,881
Mexican Fruit Fly <i>Anastrepha ludens</i>	414	12,883
Gypsy Moth <i>Lymantria dispar</i>	322	4,526
Japanese Beetle <i>Popillia japonica</i>	253	3,237

ORGANIC FARMING STATISTICS

Approximately 5,625 acres are farmed in Santa Barbara County utilizing organic farming principles, producing a wide variety of crops.

VEGETABLE CROPS

Includes:

Anise, bellpeppers, carrots, cauliflower, cherry tomatoes, chili peppers, cucumbers, eggplant, garlic, gourmet specialty vegetables, green onions, herbs, kale, lettuce, leeks, melons, nopales, parsley, potatoes, pumpkins, snap beans, sweet corn, table beets, tomatoes, tomatillos, various squash and vegetable transplants.

FRUIT AND NUT CROPS

Includes:

Apples, apricots, avocados, bananas, berries, cherimoya, figs, grapefruit, grapes, guava, kiwi, lemons, lime, macadamia nuts, mandarins, olives, oranges, peaches, persimmons, plums and tangerines.

FIELD CROPS

Includes:

Grain and rangeland.

DEPARTMENT STAFF

Commissioner/Director

Ronald M. Gilman

Assistant Commissioner/Director

William Gillette

Deputy Director

Elizabeth A. H. Ellsworth

Deputy Commissioners

Joe Karl Guy Tingos

Entomologist

Jerry Davidson

Plant Pathologist

Heather Vallier

Supervising Agricultural Biologists

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David Chang

Executive Secretary

Kathy Freres

Administrative Staff

Laraine Bouck Joyce Murray
Judi Douglass Veronica Reyes
Mary Lou Howard

Weights and Measures Inspectors

Dennis Gibson Jerry Johnson (Retired)
Diane Green Rod Ross

Agricultural Biologists

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Mike Champion Mary Ann Rajala
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