

## NEWS RELEASE

Ronald M. Gilman, Agricultural Commissioner for Santa Barbara County, announced today the release of the 1991 Agricultural Production Report. The report documents the dollar value of agricultural commodities produced in Santa Barbara County. The 1991 dollar value totalled \$500,552,082. It must be emphasized that the values in this report are gross values and that the costs of production, transportation and marketing must be subtracted to determine the net return to growers.

The weather had a significant impact on agriculture this past year. Foremost, the record freeze that gripped the County in December, 1990 caused major damage to the tree crops and outdoor nursery stock grown along the south coast of Santa Barbara County. Avocado orchards, already stressed from years of drought, produced less volume and poorer quality fruit leading to a \$40 million drop in value in 1991 as compared to figures reported in 1990. On a more positive note, the March rains benefited non-irrigated crops and rangeland.

Strawberries, for the seventh consecutive year, rank as Santa Barbara County's leading commodity with gross receipts of nearly \$82.3 million. Broccoli, head lettuce, cauliflower and wine grapes complete the list of the top five commodities produced in 1991.

The Vegetable Crop Division increased in value by nearly \$35 million over last year's figures. This is due to changes in crops grown, increased yields, and increased values received for most commodities reported.

The Field Crop Division realized higher yields for most commodities but lower values for grain and hay crops led to a modest increase of nearly \$1 million in 1991.

The Fruit and Nut Crop Division fell approximately \$30.2 million compared with 1990 figures. Increased production and/or values reported for most commodities in this division were not enough to make up for the loss reported in avocados and other subtropical fruits grown in south county.

The Nursery Products Division receipts increased approximately 5.7% in 1991, a gain of over \$4.5 million. Changes in the varieties of cut flowers and flowering plants account for the increase in this division. The Seed Crop Division had nearly 1900 less planted acres accounting for a reduction in value of \$1.3 million for the 1991 crop year.

The Livestock and Poultry Division figures show a decrease in excess of \$17 million in 1991. One must take into account the drought-induced herd reduction in 1990 when making any comparisons.

Commissioner Gilman stated that agriculture continues to be the major producing industry in Santa Barbara County. The 1991 Agricultural Production Report clearly points out the diversity of agricultural wealth found in the county. This diversity is apparent by the 37 commodities with gross values exceeding \$1 million.

Copies of the Annual Agricultural Production Report may be obtained at any of the Santa Barbara County Agricultural Commissioner's Offices.

*The cover . . .*

*. . . depicts the multi-million dollar avocado industry in Santa Barbara County.*

*A blast of arctic air dropped temperatures to well below freezing in December, 1990. Some of the effects on the agricultural industry are apparent in the figures detailing*

*avocado production. This, in combination with sustained drought conditions, contributed to a substantial loss to the agricultural industry in 1991.*

*The cover for the 1991 Agricultural Production Report was drawn by Nat D. Fast.*

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	<u>Production</u>		<u>Value</u>					
	<u>Harvested</u>	<u>Per</u>	<u>Total</u>	<u>Unit</u>	<u>Wt.</u>	<u>Per</u>		
<u>Year</u>	<u>Acreage</u>	<u>Acre</u>						
<b>Artichokes</b>	<b>1991</b>	<b>815</b>	<b>397.23</b>	<b>323,743</b>	<b>CTN</b>	<b>25#</b>	<b>\$7.72</b>	<b>\$2,499,296</b>
	1990	1,180	412.59	486,856	CTN	25#	7.52	3,661,157
<b>Broccoli</b>								
<b>Total</b>	<b>1991</b>	<b>18,535</b>						<b>60,840,279</b>
	1990	16,390						40,206,736
<b>Fresh</b>	1991	15,036	659.27	9,912,784	CTN	22#	5.40	{53,529,034}
	1990	11,342	619.22	7,023,193	CTN	22#	4.56	{32,025,760}
<b>Frozen</b>	1991	3,499	5.77	20,189	TON	TON	362.14	{7,311,245}
	1990	5,048	4.48	22,615	TON	TON	361.75	{8,180,976}
<b>Cabbage</b>	<b>1991</b>	<b>938</b>	<b>851.66</b>	<b>798,857</b>	<b>CTN</b>	<b>50#</b>	<b>5.15</b>	<b>4,114,114</b>
	+1990	1,380	584.06	806,003	CTN	50#	4.82	3,884,394
<b>Carrots</b>	<b>1991</b>	<b>3,119</b>	<b>36.69</b>	<b>114,436</b>	<b>TON</b>	<b>TON</b>	<b>52.74</b>	<b>6,035,355</b>
	+1990	2,565	33.91	86,979	TON	TON	54.60	4,749,053
<b>Cauliflower*</b>	<b>1991</b>	<b>8,676</b>	<b>591.64</b>	<b>5,133,069</b>	<b>CTN</b>	<b>25#</b>	<b>7.40</b>	<b>37,984,711</b>
	1990	9,596	550.58	5,283,382	CTN	25#	5.82	30,745,497
<b>Celery</b>	<b>1991</b>	<b>2,627</b>	<b>1,058.64</b>	<b>2,781,047</b>	<b>CTN</b>	<b>60#</b>	<b>5.03</b>	<b>13,988,666</b>
	1990	3,092	959.49	2,966,743	CTN	60#	6.27	18,601,479
<b>Lettuce, Head</b>	<b>1991</b>	<b>9,005</b>	<b>752.72</b>	<b>6,778,244</b>	<b>CTN</b>	<b>50#</b>	<b>6.54</b>	<b>44,329,716</b>
	1990	7,446	729.81	5,434,165	CTN	50#	5.93	32,224,599
<b>Lettuce, Leaf</b>	<b>1991</b>	<b>1,424</b>	<b>641.77</b>	<b>913,881</b>	<b>CTN</b>	<b>30#</b>	<b>5.19</b>	<b>4,743,042</b>
	1990	1,923	645.53	1,241,354	CTN	30#	5.01	6,219,184
<b>Peas, Edible Pod</b>	<b>1991</b>	<b>1,071</b>	<b>537.00</b>	<b>575,127</b>	<b>CTN</b>	<b>10#</b>	<b>8.44</b>	<b>4,854,072</b>
	1990	1,266	459.12	581,246	CTN	10#	7.63	4,434,907
<b>Spinach</b>	<b>1991</b>	<b>694</b>	<b>727.30</b>	<b>504,746</b>	<b>CTN</b>	<b>20#</b>	<b>5.20</b>	<b>2,624,679</b>
	1990	1,252	550.71	689,489	CTN	20#	4.94	3,406,076
<b>Squash, Summer</b>	<b>1991</b>	<b>985</b>	<b>513.67</b>	<b>505,965</b>	<b>CTN</b>	<b>26#</b>	<b>5.43</b>	<b>2,747,390</b>
	1990	1,085	601.78	652,931	CTN	26#	5.16	3,369,124
<b>Miscellaneous</b>	<b>1991</b>	<b>6,237</b>						<b>21,839,115</b>
	1990	6,713						20,114,713
<b>Total</b>	<b>1991</b>	<b>54,126</b>						<b>\$206,600,435</b>
	+1990	53,888						171,616,919

\* Includes fresh market and processing cauliflower.

+ Revised

	Year	Production			Value		
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Barley	1991	1,359	27.49	37,359	CWT	\$5.77	\$215,561
	1990	1,504	8.23	12,378	CWT	7.26	89,864
<b>Beans</b>							
Lima	1991	4,966	21.22	105,379	CWT	47.30	4,984,427
	1990	5,287	13.46	71,163	CWT	47.35	3,369,568
Miscellaneous	1991	299					290,975
	1990	524					331,458
Alfalfa	1991	4,236	7.60	32,194	TON	94.99	3,058,108
	1990	4,011	6.95	27,877	TON	133.75	3,728,549
Hay, Grain	1991	5,457	2.47	13,479	TON	66.47	895,949
	1990	7,756	1.76	13,651	TON	95.98	1,310,223
Oats, including seed	1991	278	21.76	6,049	CWT	14.03	84,868
	1990	279	9.99	2,787	CWT	23.42	65,272
<b>Pasture</b>							
Irrigated	1991	6,326				110.00	695,860
	1990	6,125				100.00	612,500
Non-irrigated	1991	774,520				6.09	4,716,827
	1990	774,349				6.08	4,708,042
Silage	1991	1,357	15.74	21,359	TON	23.09	493,179
	1990	1,150	20.45	23,518	TON	20.91	491,761
Wheat	1991	2,100	11.29	23,709	CWT	5.20	123,287
	1990	528	21.29	11,241	CWT	5.07	56,992
Miscellaneous	1991	431					107,431
	1990	0		1,846	TON	15.81	29,185
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Total	1991	801,329					\$15,666,472
	1990	801,513					14,793,414

	Year	<u>Production</u>			<u>Value</u>			
		Planted Acreage	Harvested Acreage	Per Acre	Total	Per Unit	Unit	
Avocados	1991	9,933	8,541	1.18	10,078	TON	\$1,624.78	\$16,374,533
	1990	10,300	9,610	1.83	17,586	TON	3,200.85	56,290,148
Grapes	1991	9,505	8,889	3.56	31,645	TON	1,036.01	32,784,537
	1990	9,542	8,151	3.77	30,729	TON	1,015.90	31,217,591
Lemons	1991	1,436	1,351	9.84	13,294	TON	586.10	7,791,613
	1990	1,500	1,386	13.36	18,517	TON	405.04	7,500,126
<b>Strawberries</b>								
Total	1991	5,014	5,014					82,297,364
	1990	4,530	4,530					74,748,539
Fresh	1991			2,585.70	11,671,850	12#	5.44	{63,494,864}
	1990			2,950.14	11,903,815	12#	5.41	{64,399,639}
Processing	1991			7.50	37,605	TON	500.00	{18,802,500}
	1990			3.87	17,531	TON	590.32	{10,348,900}
Walnuts	1991	653	614	1.45	890	TON	1,106.00	984,340
	1990	747	692	.88	609	TON	930.00	566,370
Miscellaneous	1991	850	733					3,078,471
	1990	342	331					3,224,301
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Total	1991	27,391	25,142					\$143,310,858
	1990	26,961	24,700					173,547,075
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	Year	Production Area		Value
		House Sq. Ft.	Field Acres	Total
<b><u>Cut Flowers &amp; Cut Greens</u></b>				
Carnations	1991	790,040		\$ 890,416
	1990	604,540		1,070,500
Chrysanthemums	1991	8,323,272		9,708,880
	1990	10,365,886		11,501,158
Gerbera	1991	878,000		4,708,725
	1990	920,750		4,190,400
Gypsophila	1991			344.00
	1990			340.25
Orchids	1991	1,660,605		5,923,557
	1990	1,584,920		6,565,862
Roses	1991	1,412,000		5,695,000
	1990	1,408,000		5,360,000
Statice	1991			129.40
	1990			52.15
Miscellaneous Flowers	1991	2,640,170		344.25
	1990	3,689,390		443.10
Miscellaneous Greens, Trees and Wood Products	1991	5,000		138.75
	1990			248.00
<b><u>Potted Plants</u></b>				
Chrysanthemums	1991	4,346,900		7,079,229
	1990	4,661,272		7,490,158
Foliage Plants	1991	918,260		2,418,400
	1990	924,770		2,261,766
Orchid Plants	1991	1,303,875		6,243,371
	1990	1,422,692		7,157,334
Poinsettias	1991	587,300		1,872,220
	1990	515,828		1,147,626
Miscellaneous Flowering Plants	1991	2,229,938		3.00
	1990	1,975,230		10.00

## Nursery Products cont.

	Year	Production Area		Value	
		House Sq. Ft.	Field Acres	Total	
Herbaceous Perennials, Ground Covers, Turf, Bulbs & Bedding Plants	1991	16,651	405.70	6,693,810	
	1990	42,784	268.40	7,489,689	
Transplants: Vegetables, Fruit Trees & Vines	1991	1,652,960	234.80	3,364,301	
	+1990	1,589,988	267.50	2,651,885	
Woody Ornamentals & Ground Covers	1991	2,200	261.90	7,767,709	
	1990	159,580	240.00	7,813,588	
<b>Total</b>	1991	26,767,171	1,861.80	\$83,484,409	
	+1990	29,865,630	1,869.40	78,948,763	

+ Revised

	Year	Production			Value		
		Harvested Acreage	Per Acre	Total	Per Unit	Unit	Total
Bean Seed	1991	2,239	20.86	46,706	CWT	\$57.75	\$2,697,272
	1990	4,114	14.35	59,036	CWT	53.15	3,137,763
Flower Seed	1991	914					4,230,207
	1990	807					5,018,014
Vegetable Seed	1991	469					1,535,895
	1990	590					1,668,620
<b>Total</b>	1991	3,622					\$8,463,374
	1990	5,511					9,824,397



Year	Production		Value			
	No. of Head	Total Liveweight	Unit	Per Unit	Total	
Cattle and Calves	1991	48,003	300,018	CWT	\$82.82	\$24,847,491
	1990*	85,881	517,004	CWT	78.90	40,791,616
Hogs and Pigs	1991	1,132	2,611	CWT	51.03	133,239
	1990	1,741	3,578	CWT	57.69	206,415
Sheep and Lambs	1991	4,505	5,431	CWT	60.52	328,684
	1990	4,860	4,804	CWT	59.14	284,109
Miscellaneous	1991					5,085,547
	1990					6,240,195
Total	1991					\$30,394,961
	1990					47,522,335

\* Drought-induced herd reduction.

Year	Production	Value			
		Unit	Per Unit	Total	
Apiary	1991			\$616,067	
	1990			228,641	
Milk and Milk Products	1991	589,648	CWT	\$11.56	6,816,331
	1990	561,926	CWT	\$12.16	6,833,020
Wool	1991	49,500	LBS	.60	29,700
	1990	58,350	LBS	1.00	58,350
Miscellaneous	1991				5,169,475
	1990				5,144,335
Total	1991				\$12,631,573
	1990				12,264,346

## **MISCELLANEOUS CROPS**

### **VEGETABLES**

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

### **FIELD CROPS**

Miscellaneous beans

Includes: Garbanzo, pinto and yellow beans.

Miscellaneous

Includes: Cattle feed, sudan hay and sudan seed.

### **FRUIT AND NUT CROPS**

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

### **NURSERY PRODUCTS**

Miscellaneous cut flowers

Includes: Agapanthus, alstromeria, 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, fertilizer and goat milk.

**MILLION DOLLAR PRODUCTS**

<b><u>1991 Ranking</u></b>		<b><u>+1990</u></b>	
<b><u>Ranking</u></b>			
<b>1</b>	Strawberries	82,297,364	<b>1</b>
<b>2</b>	Broccoli	60,840,279	<b>4</b>
<b>3</b>	Lettuce, head	44,329,716	<b>5</b>
<b>4</b>	Cauliflower	37,984,711	<b>7</b>
<b>5</b>	Grapes	32,784,537	<b>6</b>
<b>6</b>	Cattle	24,847,941	<b>3</b>
<b>7</b>	Avocados	16,374,533	<b>2</b>
<b>8</b>	Celery	13,988,666	<b>8</b>
<b>9</b>	Chrysanthemums, cut	9,708,880	<b>9</b>
<b>10</b>	Cut Flowers, miscellaneous	9,628,809	<b>18</b>
<b>11</b>	Lemons	7,791,613	<b>11</b>
<b>12</b>	Woody Ornamentals	7,767,709	<b>10</b>
<b>13</b>	Chrysanthemums, potted	7,079,229	<b>12</b>
<b>14</b>	Milk	6,816,331	<b>15</b>
<b>15</b>	Herbaceous Plants	6,693,810	<b>13</b>
<b>16</b>	Orchids, potted	6,243,371	<b>14</b>
<b>17</b>	Flowering Plants	6,173,799	<b>28</b>
<b>18</b>	Carrots	6,035,355	<b>21</b>
<b>19</b>	Orchids, cut	5,923,557	<b>16</b>
<b>20</b>	Roses	5,695,000	<b>19</b>
<b>21</b>	Beans, Lima	4,984,427	<b>31</b>
<b>22</b>	Peas, edible pod	4,854,072	<b>23</b>
<b>23</b>	Lettuce, leaf	4,743,072	<b>17</b>
<b>24</b>	Pasture, non-irrigated	4,716,827	<b>22</b>
<b>25</b>	Gerbera	4,708,725	<b>24</b>
<b>26</b>	Flower Seed	4,230,207	<b>20</b>
<b>27</b>	Gypsophila	4,117,320	<b>29</b>
<b>28</b>	Cabbage	4,114,114	<b>25</b>
<b>29</b>	Transplants: Vegetables, Fruit Trees & Vines	3,364,301	<b>34</b>
<b>30</b>	Alfalfa	3,058,108	<b>26</b>
<b>31</b>	Squash, summer	2,747,390	<b>32</b>
<b>32</b>	Bean Seed	2,697,272	<b>33</b>
<b>33</b>	Spinach	2,624,679	<b>30</b>
<b>34</b>	Artichokes	2,499,296	<b>27</b>
<b>35</b>	Foliage Plants	2,418,400	<b>35</b>
<b>36</b>	Poinsettias	1,872,220	<b>38</b>
<b>37</b>	Vegetable Seed	1,535,895	<b>36</b>

+ Revised

## SUMMARY

	<u>YEAR</u>	<u>ACREAGE</u>	<u>FOB VALUE</u>
<b>Vegetables</b>	<b>1991</b>	<b>54,126</b>	<b>\$206,600,435</b>
	+1990	53,888	171,616,919
<b>Field Crops</b>	<b>1991</b>	<b>801,329</b>	<b>15,666,472</b>
	1990	801,513	14,793,414
<b>Fruit &amp; Nut Crops</b>	<b>1991</b>	<b>25,142</b>	<b>143,310,858</b>
	1990	24,700	173,547,075
<b>Nursery Products</b>	<b>1991</b>	<b>2,476</b>	<b>83,484,409</b>
	+1990	2,555	78,948,763
<b>Seed Crops</b>	<b>1991</b>	<b>3,622</b>	<b>8,463,374</b>
	1990	5,511	9,824,397
<b>Livestock and Poultry</b>	<b>1991</b>		<b>30,394,961</b>
	1990		47,522,335
<b>Livestock, Poultry and Apiary Products</b>	<b>1991</b>		<b>12,631,573</b>
	1990		12,264,346
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<b>Total</b>	<b>1991</b>	<b>886,695</b>	<b>\$500,552,082</b>
	+1990	888,167	508,517,249

+ Revised

## COMPARATIVE AGRICULTURAL VALUES

<b>1991 .....</b>	<b>\$500,552,082</b>
+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
1975 .....	157,762,348

+ Revised

VEGETABLE CROPS

YEAR	<u>PRODUCTION</u>		<u>VALUE</u>		TOTAL	UNIT	PER	TOTAL
	HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT UNIT				
Anise	1991	190.5	521	99,190	CTN	9.66	958,233	
Asparagus	1991	145.5	345	50,221	CTN	21.49	1,079,687	
Baby Vegetables	1991	981.0	500	490,500	CTN	4.18	2,049,968	
Beans, Snap	1991	121.7	380	46,188	CTN	3.00	138,369	
Beets	1991	3.4	339	1,154	CTN	11.66	13,465	
Bell Peppers	1991	76.3	699	53,348	CTN	4.99	266,624	
Cantaloupe	1991	1.0	400	400	LBS	10.00	4,000	
Carrots, Bunch	1991	27.4	424	11,628	CTN	10.39	120,928	
Cherry Tomatoes	1991	10.0	660	6,600	CTN	6.18	40,800	
Chinese Vegetables	1991	443.8	839	372,344	CTN	8.67	3,230,431	
Cilantro	1991	721.0	655	472,285	CTN	3.89	11,840,620	
Cilantro, Dehydrate	1991	108.0	330	35,670	LBS	2.60	92,742	
Collard	1991	.5	600	300	CTN	10.00	3,000	
Corn, Sweet	1991	879.3	297	261,499	CTN	6.66	1,743,839	
Cucumber	1991	10.4	11,727	121,961	CTN	10.90	1,329,603	
Diakon	1991	2.8	239	668	CTN	8.29	5,539	
Eggplant	1991	1.0	700	700	CTN	12.42	8,700	
Endive	1991	70.0	509	35,646	CTN	7.77	277,190	
Escarole	1991	65.0	474	30,809	CTN	7.68	236,813	
Green Onion	1991	51.0	35	1,800	CTN	5.00	9,000	
Herbs	1991	1.5	767	1,150	CTN	13.04	15,000	
Kale	1991	76.0	3,175	241,289	CTN	4.52	1,090,725	
Leek	1991	31.3	1,434	44,869	CTN	6.29	282,353	
Mixed Vegetables	1991	335.0		2,166,524				
Mustard	1991	2.9	208	602	CTN	8.75	5,273	
Onions, Dry	1991	48.0	19	912	TON	160.00	145,920	
Parsley, Dehydrate	1991	200.0	4,063	812,600	LBS	.60	487,560	
Parsley, Root	1991	6.0	500	3,000	CTN	6.00	18,000	
Parsley	1991	140.5	1,510	212,158	CTN	4.94	1,048,371	
Peppers, Dehydrate	1991	76.0	3,753	285,228	LBS	.54	155,449	
Peppers	1991	26.7	1,145	30,578	CTN	3.44	105,428	
Potatoes	1991	529.0	306	161,682	CWT	6.23	1,008,803	
Rutabagas	1991	15.0	4	60	TON	240.00	14,400	
Tomatillos	1991	20.0	400	8,000	CTN	8.75	70,000	
Tomatoes	1991	6.6	597	3,938	CTN	11.68	46,012	
Tomatoes, Process	1991	500.0	30	15,111	TON	53.96	815,400	
Turnips	1991	72.7	16	1,151	TON	81.27	93,548	
Watermelon	1991	2.0	1,500	3,000	LBS	.20	600	
Winter Squash	1991	163.7	24	3,954	TON	42.08	166,409	

FIELD CROPS

YEAR	<u>PRODUCTION</u>		<u>VALUE</u>			TOTAL	UNIT	PER	TOTAL
	HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER				
BEANS									
		1991	5.0	20	100	CWT	25.00	2,500	
		1991	219.0	21	4,630	CWT	47.00	217,610	
		1991	77.0	20	1,545	CWT	47.00	72,615	
MISCELLANEOUS									
		1991	326.00	5	1,723	TON	51.42	88,606	
		1991	105.00	9	915	CWT	20.57	18,825	
		1991		33	TON30.00			,990	

FRUIT AND NUT

YEAR	<u>PRODUCTION</u>		<u>VALUE</u>			TOTAL	UNIT	PER	TOTAL
	HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER				
		1991	27.5	7,693	211,557	LBS	.36	76,792	
		1991	3.0	5,068	15,204	LBS	.25	3,801	
		1991	125.0	2,914	364,220	LBS	3.02	1,101,958	
		1991	8.0	913	7,300	CTN	3.42	25,000	
		1991	45.0	13,422	604,006	LBS	.07	46,350	
		1991	20.0	56	1,125	LBS	7.00	7,878	
		1991	61.5					331,958	
		1991	.5	600	300	LBS	.35	105	
		1991	38.0	6,646	252,554	LBS	.26	67,210	
		1991	230.0					244,480	
		1991	115.0	1,200	138,000	CTN	4.30	592,960	
Table Grapes	1991	18.0	167	3,000	CTN	10.00	30,000		

MISCELLANEOUS NURSERY

Cut Flowers	YEAR	SQUARE FOOT	ACREAGE	VALUE
Agapanthus	1991	6,000		2,000
Alstromeria	1991	30,000	1	54,550
Anemone	1991		.5	20,000
Asiatic	1991	27,000		30,000
Asters	1991	653,400		1,158,106
Bouvardia	1991	16,000		350,000
Bulbs	1991	4,500		4,000
Calla Lilies	1991	4		48,000
Daisies	1991	6		40,000
Delphinium	1991	40,000	64	550,283
Freesias	1991	98,000		36,000
Gardenias	1991	86,000		429,720
Gladiolas	1991	8,000		5,000
Godetia	1991		1.5	36,000
Iris	1991		1	15,000
Larkspur	1991		20	176,656
Leptospermum	1991		12	96,200
Lilies	1991	776,000		2,398,000
Misc. Flowers	1991	386,720	106	3,975,381
Monte Casino	1991	82,000		61,000
Protea	1991	107		383,945
Queen Ann	1991		1.5	12,353
Ranunculus	1991	40,000	1	62,000
Snap dragons	1991	345,450		240,000
Stock	1991		124	474,928
Sweet william	1991		1.5	1,507
Tuberose	1991	600		500
Flowering Plants				
African Violets	1991	8,000		50,000
Azaleas	1991	20,000		31,000
Begonias	1991	8,000		5,433
Bromeliads	1991	1,500		5,000
Carnations	1991	13,000		35,750
Cyclamen	1991	12,000		11,000
Fuchsias	1991	12,000		20,000
Geraniums	1991	284,250		1,045,000
Gerberas	1991	21,500		49,000
Haemanthus	1991	208		385



MISCELLANEOUS NURSERY Continued

Flowering Plants	YEAR	SQUARE FOOT	ACREAGE	VALUE
Hydrangeas	1991	26,000		36,500
Lilies	1991	9,000		64,400
Misc. Flowers	1991	1,746,480	3	4,486,607
Roses	1991	60,000		200,000
Tulips	1991	8,000		6,500

LIVESTOCK

	YEAR	NUMBER OF HEAD	VALUE
Breeding Stock	1991		5,039,609
Chickens	1991	209,034	40,378
Goats	1991	95	5,560

LIVESTOCK PRODUCTS

	YEAR	PRODUCTION	UNIT	VALUE
Eggs	1991	5,755,653	DOZ.	5,123,360
Fertilizer	1991	9,443	TONS	45,488
Goat Milk	1991	209	GALS.	627

# SANTA BARBARA COUNTY SUSTAINABLE AGRICULTURAL SUMMARY\*

## COUNTY BIOLOGICAL CONTROL EFFORTS

<u>PEST</u>	<u>BIO-CONTROL AGENT</u>	<u>SCOPE OF PROGRAM</u> <sup>(1)</sup>
Ash Whitefly <i>Siphonius phillyreae</i>	Hymenoptera wasp <i>Encarsia partenopea</i>	45 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>	100 acres
Russian Wheat Aphid <i>Diuraphis noxia</i>	Hymenoptera wasps <i>Aphelinus sp.</i> <i>Diaeretiella rapae</i>	500 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>	20 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>	Cut Flowers/Airport/Hawaii <i>Cut Flowers/Truck/Florida</i>	3 Rejected/Destroyed <i>1 Rejected/Destroyed</i>
Aglaonema Scale (Q) <i>Aspidiotus excisus</i>	Aglaonema/Truck/Costa Rica	1 Rejected/Destroyed
Red Wax Scale (A) <i>Ceroplastes rubens</i>	Maile Leaves/Parcel Post/Hawaii	2 Rejected/Destroyed
Green Scale (Q) <i>Coccus viridis</i>	Cut Flowers/Airport/Hawaii	2 Rejected/Destroyed
A Mealybug (Q) <i>Balanococcus sp.</i>	Phormium/Truck/New Zealand	1 Rejected/Destroyed
Big Headed Ant (Q) <i>Pheidole megacephala</i>	Cut Flowers/Parcel Post/Hawaii	1 Rejected/Destroyed
Rufous Scale (A) <i>Selenaspidus articulatus</i>	Cut Flowers/Truck/Costa Rica	1 Rejected/Destroyed
Tropical Palm Scale (A) <i>Abgrallaspis palmae</i>	Aechmea/Truck/Florida	1 Rejected/Destroyed
Eastern Tent Caterpillar (Q) <i>Malacosoma americanum</i>	Outdoor Articles/Truck/New York	1 Life Stage/Destroyed
Ants (Q) <i>Technomyrmex albipes</i> <i>Anoplolepis longipes</i>	Cut Flowers/Airport/Hawaii	2 Rejected/Destroyed
Boxwood Scale (Q) <i>Pinnaspis buxi</i>	Red Ti Leaves/Parcel Post/Hawaii	1 Rejected/Destroyed
Lesser Snow Scale (A) <i>Pinnaspis strachani</i>	Cut Flowers/Truck/Hawaii	1 Rejected/Destroyed

## Sustainable Agriculture cont.

### PEST DETECTION

<u>PEST</u>	<u>NUMBER of TRAPS</u>	<u>SERVICINGS</u>
Mediterranean Fruit Fly <u>Ceratitis capitata</u>	795	20,313
Oriental Fruit Fly <u>Dacus dorsalis</u>	475	16,868
Melon Fly <u>Dacus cucurbitae</u>	250	9,653
Mexican Fruit Fly <u>Anastrepha ludens</u>	475	16,003
Gypsy Moth <u>Lymantria dispar</u>	325	6,442
Japanese Beetle <u>Popillia japonica</u>	250	4,417

## **ORGANIC FARMING STATISTICS**

**Approximately 5,300 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**

Margaret Brown

Curtis Sayer

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

Diane Green

Rod Ross

### **Agricultural Biologists**

Kristen Burke Steve Loyal

Gary Burns

Ken Masuda

Mike Champion

Sally Pierce

Kevin Cheesman

Mary Ann Rajala

Debbie Cummins

Bill Robb

Sam Gottlieb Mike Roberts

Harriet Heath Jeff Saleen

Glenn Janssen Suzanne Squires

David Leung